OCTOBER 2021 AND APRIL 2022 ANNUAL GROUNDWATER MONITORING SUMMARY REPORT

Town of Onalaska Landfill Superfund Site
Sportsman Club Road
Town of Onalaska, Wisconsin

Prepared for
Wisconsin Department of Natural Resources
1027 West St. Paul Avenue
Milwaukee, WI 53233-2641

Project No. 1701119
July 2022

The OS Group LLC

AUGUST 2, 2022

OCTOBER 2021 AND APRIL 2022 GROUNDWATER MONITORING SUMMARY REPORT

PROJECT NO. 1701119

PREPARED BY:

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1.0 INTRODUCTION

Coulee Environmental Solutions™, a division of The OS Group, LLC (CES) has completed the October 2021 and April 2022 groundwater monitoring activities for the Onalaska Municipal Landfill Superfund site located on Sportsman Club Road in the Town of Onalaska, La Crosse County, Wisconsin. The purpose of the activities was to conduct two routine semi-annual groundwater sampling events at the site. This report covers both the October 2021 and April 2022 sampling events.

1.1 SITE LOCATION AND DESCRIPTION

The Town of Onalaska Landfill is located approximately 10 miles north of the City of La Crosse near the confluence of the Mississippi and Black rivers. The site is located on the far northwestern corner of Brice Prairie and is accessible via Sportsman Club Road. The 11-acre site was a sand and gravel quarry in the early 1960s. After the quarry operations ceased in the mid-1960s, the Town of Onalaska began using it as a municipal landfill accepting both municipal trash and industrial wastes between 1969 and 1980. The landfill was closed in 1980.

The site is located in the SE ¼ of Section 9, Township 17N, R8W. A site location map is provided as Figure 1. A site plan view is provided as Figure 2.

2.0 FIELD ACTIVITIES

2.1 GROUNDWATER MONITORING

Groundwater samples were collected from five (5) groundwater monitoring wells (MW-4S, MW-5S, MW-17S, PZ-5 and PZ-6) on October 19, 2021 and from all of the monitoring wells on April 25 – 28, 2022, per the scope of work developed by the WDNR. Prior to collection of the samples during both sampling events, CES field personnel opened all shallow and mid-depth groundwater monitoring wells to allow pressures to equilibrate to atmospheric. After water levels stabilized for more than one hour, CES field personnel measured depth to water level in each monitoring well. Prior to sampling the monitoring wells, the monitoring wells were purged using dedicated submersible pumps and tubing. During purging, CES field personnel measured field parameters (dissolved oxygen, ORP, specific conductance, temperature and pH) using a YSI 556 multi-meter with a flow-through cell. Purging was considered complete when the field parameters stabilized per WDNR's groundwater sampling desk reference guidance, typically requiring 30 to 60 minutes per well. Monitoring well purge water was discharged to the ground per the WDNR's scope of work. Once purging was complete, CES field personnel collected groundwater samples for the parameters listed in Appendix A. Samples for metals analysis were field filtered with a 0.45-micron filter. Groundwater samples were preserved and stored on ice and shipped under chain of custody to Pace Analytical in Green Bay, Wisconsin for analyses. Copies of the laboratory analytical reports are provided in Attachment B.

2.2 POTABLE WELL SAMPLING

CES field personnel collected water samples from six (6) private potable wells (PW-1 through PW-6) during the April 2022 sampling event. CES field personnel purged all potable wells for a minimum of ten minutes prior to sampling. Samples were preserved and shipped on ice to Pace Analytical in Green Bay, Wisconsin for volatile organic compounds (VOCs) and metals analysis. Samples for metals analysis from the potable wells were not field filtered. Copies of the laboratory analytical reports are provided in Appendix B.

3.0 RESULTS

3.1 WATER LEVELS AND FLOW DIRECTION

Groundwater was encountered at depths ranging from approximately 4 to 29 feet below ground surface (bgs) during the October 2021 sampling event and at approximately 3 to 28 feet bgs during the April 2022 event. Potentiometric surface maps were developed for both the shallow and mid-depth wells during both events. On the maps, shallow wells were denoted with a "S" and "PZ" suffix (per WDNR instructions), and mid-depth wells were denoted with a "M" suffix. During each sampling event, the groundwater flow appeared to be to the south-southwest. Potentiometric Surface Maps for the shallow and mid-depth wells for the October 2021 and April 2022 sampling events are provided in Figures 3 through 6.

3.2 GROUNDWATER RESULTS

During the October 2021 sampling event, five (5) wells were sampled for VOCs, metals and TOC. During the April 2022 sampling event, all twenty-six (26) monitoring wells were sampled for metals, TOC, and alkalinity. In addition twenty four (24) of the twenty-six (26) monitoring wells were also analyzed for VOCs (MW-1SR and MW-10M were not sampled for VOCs per WDNR instructions). Laboratory analytical results were similar to prior years' results; iron and manganese were commonly detected at concentrations above the NR 140 enforcement standards (ES) or preventive action limits (PAL). Similar to the April 2021 sampling event, barium was detected above the NR140 preventive action limit (PAL) in wells MW-2M, MW-6M, MW-8M, MW-15M, MW-16M, and MW-17M. Arsenic was detected above the NR 140 ES in wells MW-2M, MW-16M and MW-17M. The most commonly detected VOCs exceeding an NR 140 ES was trimethylbenzene (MW-5S and MW-17S). Naphthalene was detected above the NR 140 PAL in MW-5S, MW-14S, MW-16S and MW-16M. The only other VOC compound detected above applicable standards was benzene detected above the PAL in MW-16M. Groundwater manganese isoconcentration contours for the October and April sampling events are depicted in Figures 7–9. Groundwater arsenic isoconcentrations are depicted in Figures 10-12.

3.3 POTABLE WELL RESULTS

Laboratory analysis of the potable well samples had no detections of VOCs in any of the six (6) potable wells sampled. Barium, iron, and manganese were detected in wells PW-1, PW-2, PW-4 and PW-5 and barium and manganese in PW-6. No metals were detected in PW-3. Barium was never detected at a concentration above the NR 140 PAL in any of the potable well samples. Iron was detected at concentrations above the NR 140 ES in wells PW-1, PW-4 and PW-5 and above the NR 140 PAL in PW-2. Manganese exceeded the NR140 ES in

wells PW-2 and PW-5 and the PAL in wells PW-1, PW-4, and PW-6. A brief comparison of the potable well sampling results with prior sampling events is provided below:

- PW-1: No metals were detected during the April 2021 sampling event whereas barium, lead, and manganese were detected during the April 2022 sampling event. Prior to the April 2021 sampling event, all three metals were typically detected at concentrations similar to the April 2022 event. During the April 2021 sampling event, the potable well sample was collected from the kitchen faucet after the home filtration / treatment system. The sample collected in April 2022 was collected in the basement prior to the filtration / treatment system.

- PW-2: Manganese exceeded the NR140 ES and iron exceeded the NR140 PAL during the April 2022 sampling event similar to the April 2021 sampling event.

- PW-3: No NR140 PAL exceedances were recorded during the April 2022 sampling event, similar to the April 2021 sampling event. Prior to the April 2021 sampling event, iron was typically detected at concentrations above the NR 140 ES and manganese at concentrations above the NR 140 PAL.

- PW-4: The April 2022 sampling event had an NR140 ES exceedance for iron and PAL exceedance for manganese. The concentrations of iron and manganese observed in PW-4 were similar to previous sampling events with the exception of April 2021 when no exceedences were observed.

- PW-5: The iron and manganese NR 140 ES exceedences were similar to prior sampling events.

- PW-6: The manganese NR140 PAL exceedance was similar to prior sampling events.

4.0 SUMMARY AND CONCLUSIONS

A summary of the October 2021 and April 2022 Groundwater Monitoring at the Town of Onalaska Superfund Site follows:

- Groundwater samples were collected from five (5) shallow wells and from twenty-six (26) shallow and mid-depth monitoring wells during the October 2021 and April 2022 sampling events, respectively. Samples collected in October were analyzed for VOCs, metals and TOC. Samples collected in April 2022 were analyzed for metals, TOC and alkalinity. In addition, 24 of the samples collected in April 2022 were analyzed for VOCs.

- Potable water samples were collected from six (6) potable wells (PW-1, PW-2, PW-3, PW-4, PW-5 and PW-6) during the April 2022 sampling event and analyzed for VOCs and metals.

- The depth to water was measured in all shallow and mid-depth monitoring wells prior to sampling. Groundwater elevations were calculated, and flow maps were developed. The groundwater flow was primarily to the south-southwest in both the shallow and mid-depth wells during both sampling events.

- Arsenic, iron and manganese were detected in monitoring wells at concentrations above the NR 140 ESs during the April 2022 sampling event. Barium was detected in six (6) mid-depth wells at concentrations above the PAL during the April 2022 sampling event.

- 1,2,4-trimethylbenzene, naphthalene and benzene were the only VOCs detected in the monitoring wells above applicable standards. 1,2,4-trimethylbenzene was detected at concentrations above the NR 140 ES during the October 2021 sampling event in monitoring wells MW-4S, MW-5S and MW-17S and above the NR 140 PAL during the April 2022 sampling event in monitoring wells MW-5S and MW-17S. Naphthalene was detected above the NR 140 PAL in wells MW-5S during the October 2021 sampling event and in wells MW-5S, MW-14S, MW-16S, and MW-16M during the April 2022 sampling event. Benzene was detected above the NR 140 PAL in MW-16M during the April 2022 sampling event.

- No VOCs were detected in any of the six (6) potable well samples collected during the April 2022 sampling event.

- During the April 2022 sampling event, iron was detected in four (4) potable well samples and manganese in five (5) potable well samples at concentrations above

either the PAL or ES. Iron was detected above the ES in PW-1, PW-4 and PW-5 and above the PAL in PW-2. Manganese exceeded the ES in PW-2 and PW-5 and exceeded the PAL in PW-1, PW-4, and PW-6.

5.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

This document has been prepared by and under the supervision of the environmental professionals certifying below:

Prepared By:

I, Steven Osesek, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Name: Steven Osesek Date: 07/27/22
Title: Project Manager
Phone: (608) 433-9388
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Supervised By:

I, John Storlie, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Chs. NR 700 to 726, Wis. Adm. Code.

Name: John Storlie, PG Date: 07/27/2022
Title: Principal Consultant / Hydrogeologist
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Supervised By:

I, Jeff Anderson, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Jeff K. Anderson

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Date: 6-29-2022

TABLES

Table 1
1SR
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/17/2013	4/29/2014	10/15/2015	4/22/2016	4/18/2017	4/26/2018	4/22/2019	7/31/2020	7/31/20 Duplicate	4/26/2021	4/27/2022	PAL	ES
Metals, mg/L														
Arsenic	0.00025	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	<0.0054	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.037	0.0263	0.0316	0.0664	0.0273	0.0215	0.0251	0.0211	0.033	0.0326	0.0231	0.0263	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	34.3	26.1	----	----	----	----	----	----	----	----	----	----	----
Cobalt	0.021	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	0.250	0.0149	0.0279	0.141	<0.0129	<0.0155	**0.42**	**0.307**	0.0472J	0.0516J	0.0908J	**0.418**	0.15	0.3
Lead	**0.029**	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	12.8	9.43	----	----	----	----	----	----	----	----	----	----	----
Manganese	**0.600**	0.187	0.269	**0.320**	0.042	0.0553	**0.325**	0.264	0.0652	0.0642	0.127	0.294	0.060	0.300
Mercury	<0.000070	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.00017	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	2.04	1.59	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	3.75	3.92	----	----	----	----	----	----	----	----	----	----	----
Vanadium	0.00060	<0.0012	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	<00022	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L														
Ethane	<0.49	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	0.64	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	2.8	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L														
Chloride	8.9	7.2	6.9	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	<0.043	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	6.3	6.2	14.2	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	110	113	101	160	114	101	93.1	90.1	140	----	104	101	----	----
Total Organic Carbon	4.8	----	----	----	----	----	3.6	4.4	2.5	----	2.7	3.8	----	----
pH	7.86	6.73	7.84	6.92	7.53	7.02	6.36	7.22	6.77	6.77	7.22	6.58	----	----
Conductivity (mS/cm)	320	0.174	0.163	0.299	0.196	0.181	0.187	0.145	0.222	0.222	0.226	0.206	----	----
Temperature (C)	12.3	9.85	7.22	11.37	9.06	9.41	8.45	7.8	11.46	11.46	8.37	9.44	----	----
ORP (mV)	39.7	65.6	48.4	16.4	70.2	80.9	20.4	-41.2	29.6	29.6	-3.8	21.6	----	----
Dissolved Oxygen (mg/L)	4.5	4.62	12.45	1.16	3.28	3.64	1.07	1.75	0.58	0.58	2.15	3.38	----	----

Note: Please see notes provided at the end of this table.

Table 1
2S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/16/2013	4/29/2014	10/15/2015	4/27/2016	4/21/2017	4/26/2018	4/25/2019	4/25/19 Duplicate	7/31/2020	7/31/20 Duplicate	4/29/2021	4/27/2022	4/27/2022 Duplicate	PAL	ES
1,2,4-Trimethylbenzene	<0.22	<0.57	<0.50	1.6	1.4	0.5	----	----	----	----	----	----	<0.45	<0.45	96	480
1,3-Dichlorobenzene	0.53	<0.45	<0.50	1.8	1.4	<0.50	----	----	----	----	----	----	<0.35	<0.35	120	600
1,4-Dichlorobenzene	2.2	2.5	1.4	2.9	2.4	1.3	----	----	----	----	----	----	<0.89	<0.89	15	75
Acetone	----	4.6	<3.0	<3.0	<3.0	<3	----	----	----	----	----	----	<8.6	<8.6	1800	9000
Benzene	0.94	0.67	<0.50	1.8	1.5	<0.50	----	----	----	----	----	----	<0.30	<0.30	0.5	5
Chlorobenzene	18	8.7	3.2	68.9	59.6	3.4	----	----	----	----	----	----	1.7	1.6	----	----
Isopropylbenzene	----	----	<0.12	0.40	0.43	<0.14	----	----	----	----	----	----	<1.0	<1.0	-----	-----
Methylene chloride	<0.63	<0.36	<0.23	<0.23	<0.23	0.33J	----	----	----	----	----	----	<0.32	<0.32	0.5	5
n-Propylbenzene	----	----	<0.50	0.55	<0.50	<0.50	----	----	----	----	----	----	<0.35	<0.35	-----	-----
Xylenes (total)	0.39	<1.3	<1.5	<1.5	1.7	<1.5	----	----	----	----	----	----	<1.0	<1.0	400	2,000
Metals, mg/L																
Arsenic	0.0097	0.0095	**0.013**	0.0080	0.0083	**0.0141J**	**0.0119J**	<0.0054	**0.0276**	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.140	0.152	0.109	0.135	0.161	0.0842	0.0865	0.0699	0.0726	0.016	0.0171	0.142	0.0939	0.0872	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	32.1	32.5	----	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	0.00086	<0.00085	<0.00094	<0.00094	0.00097	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**35**	**37.1**	**33.2**	**27.1**	**32.8**	**29.3**	**22.6**	**19.3**	**19.6**	**39.3**	**41.7**	**32.7**	**19.0**	**18.6**	0.15	0.3
Lead	0.00055	<0.0012	<0.0030	<0.0030	0.0036	<0.0043	<0.0043	<0.0064	<0.0064	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	7.71	8.35	----	----	----	----	----	----	----	----	----	----	----	----	----
Manganese	**0.990**	**0.999**	**1.02**	**0.799**	**0.787**	**0.904**	**0.617**	**0.568**	**0.593**	**1.100**	**1.17**	**0.946**	**0.535**	**0.522**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.00017	<0.000084	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	9.89	5.44	----	----	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	25	16.1	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	0.00087	0.002	<0.0020	0.0029	<0.0020	<0.0022	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L																
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L																
Chloride	32	15.2	19.9	----	----	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	2.4	<2.0	----	----	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	180	169	159	233	218	151	102	120	----	251	251	195	140	128	----	----
Total Organic Carbon	----	----	----	----	----	----	3.8	4.4	----	5.9	5.7	5.4	3.9	4.0	----	----
pH	7.34	6.52	9.32	6.46	6.90	6.62	6.29	6.67	6.67	6.29	6.29	6.39	6.12	6.12	----	----
Conductivity (mS/cm)	440	0.372	0.376	0.481	0.457	0.342	0.307	0.272	0.272	0.440	0.440	0.549	0.354	0.354	----	----
Temperature (C)	10.1	11.43	10.86	10.14	10.90	10.62	11.12	10.64	10.64	10.50	10.50	6.74	11.00	11.00	----	----
ORP (mV)	-57.6	-49.8	-554.3	-47.3	-68.7	-74.0	-52.5	-110.1	-110.1	29.9	29.9	-91.1	12.2	12.2	----	----
Dissolved Oxygen (mg/L)	2.0	1.1	0.60	0.34	0.47	0.79	0.15	0.37	0.37	0.43	0.43	1.54	2.08	2.08	----	----

Note: Please see notes provided at the end of this table.

Table 1
2M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/16/2013	4/29/2014	10/15/2015	4/27/2016	4/21/2017	4/26/2018	4/25/2019	7/31/2020	4/29/2021	4/27/2022	PAL	ES
Metals, mg/L													
Arsenic	0.0068	**0.0235**	**0.0285**	**0.017**	**0.0204**	**0.0233J**	**0.0245**	**0.0232**	**0.017J**	**0.0182J**	**0.0153 J**	0.001	0.01
Barium	0.240	0.795	0.646	0.519	0.453	0.501	0.472	0.688	0.541	0.506	0.581	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	61.4	48.2	----	----	----	----	----	----	----	----	----	----
Cobalt	0.00038	0.0015	0.0014	0.001	0.001	<0.0014	<0.0014	0.0018	0.0015J	<0.0014	<0.0014	0.008	0.04
Iron	0.100	**18.2**	**13.4**	**10.3**	**9.94**	**9.56**	**9.15**	**13.7**	**10.2**	**9.75**	**10.1**	0.15	0.3
Lead	0.00036	<0.0012	<0.0030	0.0034	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	13.6	10.7	----	----	----	----	----	----	----	----	----	----
Manganese	0.210	**1.25**	**1.02**	**0.864**	**0.787**	**0.836**	**0.822**	**1.21**	**0.893**	**0.906**	**1.03**	0.060	0.300
Mercury	<0.000070	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.00017	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	1.05	0.869	----	----	----	----	----	----	----	----	----	----
Sodium	----	8.4	11.3	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	0.0024	<0.0020	0.0028	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L													
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L													
Chloride	6.5	30.1	32.3	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	<2.0	<2.0	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	130	155	151	133	125	129	116	172	126	126	146	----	----
Total Organic Carbon	----	----	----	----	----	----	4.7	3.6	4.7	4.5	4.3	----	----
pH	7.66	7.32	8.45	7.27	7.72	7.47	7.12	7.36	7.05	7.22	6.89	----	----
Conductivity (mS/cm)	220	0.335	0.340	0.253	0.212	0.247	0.248	0.311	0.221	0.312	0.334	----	----
Temperature (C)	9.6	10.77	10.57	10.22	10.59	10.19	10.66	10.38	10.75	6.70	10.61	----	----
ORP (mV)	-3.8	-142.2	-384.2	-122.0	-16.2	-166.6	-147.2	-196.4	31.1	-178.0	-5.7	----	----
Dissolved Oxygen (mg/L)	4.4	0.86	0.53	0.54	0.32	0.83	0.11	0.09	0.24	1.01	1.19	----	----

Note: Please see notes provided at the end of this table.

Table 1
4S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/17/2013	10/29/2013	4/28/2014	4/28/2014 Duplicate	10/28/2014	10/13/2015	10/13/2015 Duplicate	4/27/2016	4/27/2016 Duplicate
1,2,4-Trimethylbenzene	89	**511**	**707**	295	296	261	401	341	**976**	**871**
1,3,5-Trimethylbenzene	<0.23	**18.5**	**6.9**	4.6	4.1	2.5	<1.2	<1.2	**<5.0**	**<5.0**
Acetone	----	<2.6	<10.4	<7.4	<14.8	<7.4	<7.4	<7.4	<29.5	<29.5
n-Butylbenzene	<0.21	----	6.3	4.7	5.2	6.3	6.1	5.5	<5.0	<5.0
sec-Butylbenzene	5.7	----	21.7	14.5	16.0	23.4	21.1	19.3	30.8	30.2
Chloroethane	<0.33	<0.44								
tert-Butylbenzene	<0.24	---	2.2	1.6 J	1.8 J	3.0	2.4	2.2	4.2	3.2
Ethylbenzene	<0.14	1.1	7.2	<1.2	<2.5	<1.2	<1.2	<1.2	<5.0	<5.0
Isopropylbenzene	1.5	----	19.4	7.2	7.7	12.7	10.7	9.8	17.5	16.5
p-Isopropyltoluene	3.0	----	10.7	8.6	9.9	11.2	12.0	11.5	25.5	25.2
Naphthalene	<0.24	4.5	18.2	<6.2	<12.5	<6.2	<6.2	<6.2	<25.0	<25.0
n-Propylbenzene	3.6	----	31.1	14.5	15.8	15.4	18.4	17.4	43.2	39.4
Xylenes (total)	0.91	5.2	14.0	<3.8	<7.5	<3.8	<3.8	<3.8	<15.0	<15.0
Metals, mg/L										
Arsenic	0.0032	<0.0044	0.0071	<0.0072	-----	<0.0072	<0.0072	-----	<0.0072	-----
Barium	0.170	0.261	0.274	0.214	-----	0.223	0.223	-----	0.251	-----
Cadmium	<0.00010	0.00059	<0.00038	<0.00060	-----	<0.00060	<0.00060	-----	<0.00060	-----
Cobalt	0.00019	<0.00085	<0.00085	<0.00094	-----	<0.00094	<0.00094	-----	<0.00094	-----
Iron	**5.3**	**7.98**	**10**	**6.82**	-----	**7.86**	**7.05**	-----	**9.83**	-----
Lead	0.00025	<0.0012	<0.0012	<0.0030	-----	<0.0030	<0.0030	-----	<0.0030	-----
Manganese	**1.1**	**1.2**	**0.949**	**0.778**	-----	**0.876**	**0.730**	-----	**0.96**	-----
Mercury	<0.00070	<0.00010	<0.00010	<0.00010	-----	<0.00010	<0.00010	-----	<0.00018	-----
Vanadium	0.00044	0.0022	<0.0012	<0.0020	-----	<0.0020	0.0026	-----	<0.0020	-----
Dissolved Gases, ug/L										
Ethane	-----	----	----	----	-----	-----	-----	-----	-----	-----
Ethene	-----	----	----	----	-----	-----	-----	-----	-----	-----
Methane	-----	----	----	----	-----	-----	-----	-----	-----	-----
Natural Attenuation Parameters, mg/L										
Chloride	7.4	6.1	-----	15.6	-----	-----	-----	-----	-----	-----
Nitrate as N	-----	----	-----	----	-----	-----	-----	-----	-----	-----
Sulfate	-----	4.4	-----	3.6	-----	-----	-----	-----	-----	-----
Total Alkalinity	390	290	-----	271	-----	-----	165	-----	271	-----
Total Organic Carbon	-----	----	-----	----	-----	-----	-----	-----	-----	-----
pH	7.30	6.69	6.96	7.15	-----	6.90	7.01	-----	7.31	-----
Conductivity (mS/cm)	630	0.431	0.446	0.431	-----	0.406	0.374	-----	0.398	-----
Temperature (C)	12.6	9.58	11.61	9.64	-----	11.13	10.64	-----	9.79	-----
ORP (mV)	-22.4	-66.4	-48.7	-127	-----	-55.3	-74.7	-----	-86.9	-----
Dissolved Oxygen (mg/L)	5.0	1.3	0.71	1.00	-----	0.17	0.54	-----	0.37	-----

Note: Please see notes provided at the end of this table.

Table 1
4S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	10/3/2016	4/19/2017	1/9/2018	4/26/2018	4/26/18 DUP	10/24/2018	4/24/2019	4/24/19 Duplicate	10/16/2019	7/27/2020
1,2,4-Trimethylbenzene	**1,650**	**913**	271	**584**	**504**	446	174	-----	**878**	194
1,3,5-Trimethylbenzene	**195**	**<5**	<0.50	**<0.50**	**<5.0**	<8.7	<0.87	-----	**<8.7**	<1.7
Acetone	<29.5	<29.5	<3.0	<3.0	<29.5	<27.4	<2.7	-----		<5.5
n-Butylbenzene	16.7	9.4J	5.7	6.4	5.2J	<7.1	4.1	-----	<7.1	4.0J
sec-Butylbenzene	40.9	22.8J	17.7	20.0	<21.9	19.6J	12.3	-----	29.9J	10.2
Chloroethane			0.69J	0.84J	<3.7	<13.4	<1.3	-----	<13.4	<2.7
tert-Butylbenzene	4.7	2.2J	2.0	2.6	2.1J	<3.0	1.4	-----	<3.0	1.3J
Ethylbenzene	<5.0	<5.0	<0.5	0.95J	<5.0	<2.2	<0.22	-----	<2.2	<0.64
Isopropylbenzene	23.6	13.5	7.6	18.4	14.8	11.6J	4.7J	-----	22.0J	4.6J
p-Isopropyltoluene	32.5	17.9	9.9	11.9	8.9J	10.4J	5.8	-----	17.3J	6.0
Naphthalene	<25.0	<25	<2.5	7.0	<25.0	<11.8	<1.2	-----	<11.8	<2.4
n-Propylbenzene	<5.0	38	13.8	31.6	26.1	20.2J	8.6	-----	39.8J	9.9J
Xylenes (total)	19.9	<15	2.1J	7.5	<15.0	<15.0	<1.5	-----	<15.0	<3.0
Metals, mg/L										
Arsenic	**0.0118**	<0.0054	0.0094	**0.0109J**	0.0069J	**0.0114J**	**0.0097**	**0.0121J**	.0097J	<0.0083
Barium	0.314	0.333	0.266	0.293	0.297	0.296	0.225	0.23	0.313	0.235
Cadmium	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Cobalt	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
Iron	**13.4**	**14.5**	**9.64**	**11.9**	**11.9**	**10.0**	**9.75**	**9.55**	**15.0**	**9.69**
Lead	<0.0030	<0.0043	0.0046	<0.0043	<0.0043	<0.0064	<0.0064	0.0075J	<0.0059	<0.0059
Manganese	**0.934**	**1.12**	**0.801**	**0.868**	**0.892**	**0.754**	**0.641**	**0.642**	**0.897**	**0.701**
Mercury	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.000084	0.00017J	<0.000084	<0.000084	<0.000066
Vanadium	<0.0020	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026
Dissolved Gases, ug/L										
Ethane	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Ethene	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Methane	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Natural Attenuation Parameters, mg/L										
Chloride	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Nitrate as N	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sulfate	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total Alkalinity	243	263	149	250	249	-----	206	208	-----	220
Total Organic Carbon	-----	-----	1.8	2.5	2.7	2.0	2.2	2.2	2.2	2.3
pH	6.49	6.89	4.79	6.75	6.75	6.94	7.00	7.00	6.93	-----
Conductivity (mS/cm)	0.395	0.41	0.308	0.46	0.46	0.499	0.335	0.335	0.59	0.319
Temperature (C)	11.97	9.86	11.62	10.03	10.03	10.28	9.58	9.58	9.28	9.94
ORP (mV)	-73.4	-87.5	-65	-83.9	-83.9	-150	-131	-131	-120.8	40.2
Dissolved Oxygen (mg/L)	0.09	0.88	0.16	0.24	0.24	0.19	0.21	0.21	1.6	0.57

Note: Please see notes provided at the end of this table.

Table 1
4S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	7/27/20 Duplicate	11/4/2020	4/26/2021	10/19/2021	4/26/2022	PAL	ES
1,2,4-Trimethylbenzene	312	130	156	**521**	56	96	480
1,3,5-Trimethylbenzene	<0.87	<1.7	<0.89	**<0.71**	<0.36	96	480
Acetone	3.3J	<0.49	<21.6	<17.3	<8.6	1800	9000
n-Butylbenzene	6.2	3.2 J	2.9	7.8	3.0	-----	-----
sec-Butylbenzene	14.9	9.0 J	8.4	22.4	8.0	-----	-----
Chloroethane	<1.3	<2.7	<4.1	<2.8	<1.4	3	30
tert-Butylbenzene	1.5	0.86 J	<1.5	1.3 J	0.88 J	-----	-----
Ethylbenzene	<0.32	<0.64	<0.81	<0.65	<0.33	140	700
Isopropylbenzene	6.3	<3.4	4.8J	10 J	1.7 J	-----	-----
p-Isopropyltoluene	9.9	3.9 J	3.3J	12.3	2.7 J	-----	-----
Naphthalene	2.6J	<2.4	<2.8	2.5 J	<1.1	10	100
n-Propylbenzene	15.3	6.0 J	7.1	24.7	5.8	-----	-----
Xylenes (total)	2.3J	<3.0	<2.6	2.5 J	<1.0	400	2,000
Metals, mg/L							
Arsenic	<0.0083	0.0096J	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.243	0.196	0.196	0.266	0.194	0.4	2
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Cobalt	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**9.79**	**7.52**	**7.34**	**8.96**	**6.78**	0.15	0.3
Lead	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Manganese	**0.686**	**0.638**	**0.643**	**0.822**	**0.618**	0.060	0.300
Mercury	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Vanadium	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L							
Ethane	-----	-----	-----	-----	-----	----	----
Ethene	-----	-----	-----	-----	-----	----	----
Methane	-----	-----	-----	-----	-----	----	----
Natural Attenuation Parameters, mg/L							
Chloride	-----	-----	-----	-----	-----	125	250
Nitrate as N	-----	-----	-----	-----	-----	2	10
Sulfate	-----	-----	-----	-----	-----	125	250
Total Alkalinity	219	-----	230	-----	221	----	----
Total Organic Carbon	2.2	2.6	2.4	1.8	2.1	----	----
pH	-----	7.09	7.08	6.95	6.65	----	----
Conductivity (mS/cm)	0.319	0.344	0.436	0.413	0.425	----	----
Temperature (C)	9.94	11.16	9.67	11.55	10.28	----	----
ORP (mV)	40.2	-305.7	-98	-175.7	11.8	----	----
Dissolved Oxygen (mg/L)	0.57	0.19	1.37	0.11	NA	----	----

Note: Please see notes provided at the end of this table.

Table 1
5S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	4/18/2012 Duplicate	5/15/2013	5/15/13 Duplicate	10/29/2013	10/29/13 Duplicate	4/28/2014	4/28/2014 Duplicate	10/28/2014	10/13/2015	10/13/2015 Duplicate
1,2,4-Trimethylbenzene	**570**	330	**1,120**	**1,060**	**1,510**	**1,380**	**922**	**1,340**	**1,560**	**1,510**	**1,860**
1,3,5-Trimethylbenzene	**<0.46**	<0.23	**<2.5**	**<2.5**	**9**	**7**	**<10.0**	**<5.0**	**<10.0**	**<10.0**	**<5.0**
n-Butylbenzene	<0.42	<0.21	-----	-----	5.2	5.3	8.0	13.0	13.2	10.4	11.5
sec-Butylbenzene	7.1	6.7	-----	-----	9.1	9.9	<43.7	<21.9	<43.7	<43.7	<21.9
tert-Butylbenzene	<0.48	<0.24	-----	-----	11.4	12.1	13.4	14.9	22.6	17.1	18.6
Acetone	----	----	3.7	4.0	<25.9	<25.9	<59.1	<29.5	<59.1	<59.1	<29.5
Ethylbenzene	<0.28	<0.14	<0.50	<0.50	<5.0	<5.0	<10.0	<5.0	<10.0	<10.0	<5.0
Isopropylbenzene	18	16	---	---	34.5	33.5	39.0	42.1	69.6	54.9	60.8
p-Isopropyltoluene	2.9	2.1	---	---	10.4	9.7	5.8	7.7	14.7	12.0	16.3
Naphthalene	21	21	38.1	35.2	25.4	<25.0	<50.0	38.8	52.0	<50.0	58.5
n-Propylbenzene	25	22	----	----	78.0	73.6	64.5	73.9	101	114	118
Toluene	<0.30	0.24	<0.44	<0.44	<4.4	<4.4	<10.0	<5.0	<10.0	<10.0	<5.0
Xylenes (total)	5.9	4.9	7.1	6.8	15.1	13.7	<30.0	<15.0	56.9	51.1	58.5
Metals, mg/L											
Arsenic	0.0098	----	**0.016**	----	**0.0111**	----	**0.0154**	----	**0.0104**	**0.0109**	----
Barium	0.180	----	0.296	----	0.271	----	0.254	----	0.269	0.240	----
Cadmium	<0.00010	----	0.00055	----	<0.00038	----	<0.00060	----	<0.00060	<0.00060	----
Cobalt	0.0034	----	0.0049	----	0.0065	----	0.0049	----	0.0047	0.0033	----
Iron	**14**	----	**26.1**	----	**12.2**	----	**19.6**	----	**21.7**	**17.3**	----
Lead	<0.00016	----	<0.0012	----	0.0015	----	<0.0030	----	<0.0030	<0.0030	----
Manganese	**1.4**	----	**1.84**	----	**1.09**	----	**1.46**	----	**1.48**	**1.42**	----
Mercury	<0.000070	----	<0.00010	----	<0.00010	----	<0.00010	----	<0.00010	<0.00010	----
Vanadium	<0.00034	----	0.0021	----	<0.0012	----	<0.0020	----	<0.0020	0.0044	----
Dissolved Gases, ug/L											
Ethane	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L											
Chloride	5.4	----	8.0	----	----	----	11.1	----	----	----	----
Nitrate as N	----	----	---	----	----	----	----	----	----	----	----
Sulfate	----	----	2.8	----	----	----	2.6	----	----	----	----
Total Alkalinity	140	----	225	----	----	----	246	----	----	238	----
Total Organic Carbon	----	----	----	----	----	----	----	----	----	----	----
pH	7.38	----	6.63	----	6.72	----	6.78	----	6.14	6.72	----
Conductivity (mS/cm)	320	----	0.369	----	0.469	----	0.407	----	0.420	0.412	----
Temperature (C)	14.9	----	9.4	----	12.52	----	9.21	----	11.42	11.11	----
ORP (mV)	57.7	----	-65.6	----	-25.5	----	-84.1	----	-54.0	-75.0	----
Dissolved Oxygen (mg/L)	3.0	----	1.88	----	0.82	----	1.65	----	0.30	0.83	----

Note: Please see notes provided at the end of this table.

Table 1
5S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/25/2016	4/25/2016 Duplicate	10/3/2016	10/3/2016 Duplicate	4/18/2017	4/18/2017 Duplicate	1/9/2018	4/25/2018	10/24/2018	10/24/18 Duplicate	4/24/2019
1,2,4-Trimethylbenzene	**1,120**	**1,060**	**1,220**	**1,210**	441	----	**1330**	**1020**	**760**	**1460**	**538**
1,3,5-Trimethylbenzene	**<5.0**	**<2.5**	**<5.0**	**<2.5**	<5.0	----	**<5.0**	**<5.0**	**<8.7**	**<8.7**	**<8.7**
n-Butylbenzene	<5.0	<2.5	10.1	10.5	<5.0	----	13.6	10.9	<7.1	<7.1	<7.1
sec-Butylbenzene	<21.9	13.7	<21.9	14.6	<21.9	----	<21.9	<21.9	8.9J	17.0J	10.0J
tert-Butylbenzene	17.2	16.9	16.9	18.3	5.9 J	----	19.3	22.6	12.7	10.1J	15.6
Acetone	<29.5	<14.8	<29.5	<14.8	<29	<14.8	<29.5	<29.5	<27.4	<27.4	<27.4
Ethylbenzene	<5.0	<2.5	<5.0	<2.5	<5	<2.5	<5.0	<5.0	<2.2	<2.2	<2.2
Isopropylbenzene	42.8	42.7	35.8	40.6	16.2	16.3	63.9	34.4	46.2J	10.5J	20.7J
p-Isopropyltoluene	8.8	8.1	7.8	8.3	<5	3.3J	11.2	9.0J	<8.0	19.8J	9.1J
Naphthalene	<25.0	21.6	29.1	34	<25	<12.5	58	28.8J	25.2J	<11.8	13.3J
n-Propylbenzene	73.1	70.9	74	80	22.6	23.3	104.0	55.2	60.4	22.9J	46.1J
Toluene	<5.0	<2.5	<5.0	<2.5	<5	<2.5	<5.0	<5.0	<1.7	<1.7	2.2J
Xylenes (total)	20.1	20.1	20.8	21.2	<15	<7.5	47.1	<15.0	<15.0	<15.0	<15.0
Metals, mg/L											
Arsenic	**0.0117**	----	**0.0201**	----	**0.015J**	----	**0.0176**	**0.0139J**	0.0075J	0.0055J	**0.0115J**
Barium	0.191	----	0.207	----	0.198	----	0.242	0.264	0.183	0.187	0.242
Cadmium	<0.00060	----	<0.00060	----	<0.0013	----	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Cobalt	0.0030	----	0.0031	----	0.0025J	----	0.003J	0.0033J	<0.0014	<0.0014	0.0029J
Iron	**16.0**	----	**15.8**	----	**15.3**	----	**18.6**	**21.7**	**14.8**	**11.1**	**19.6**
Lead	<0.0030	----	<0.0030	----	<0.0043	----	<0.0043	<0.0043	<0.0064	<0.0064	<0.0064
Manganese	**1.24**	----	**1.07**	----	**1.04**	----	**1.28**	**1.39**	**1.08**	**1.32**	**1.18**
Mercury	<0.00018	----	<0.00013	----	<0.00013	----	<0.00013	<0.00013	<0.000084	<0.000084	0.00016J
Vanadium	<0.0020	----	<0.0020	----	<0.0022	----	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Dissolved Gases, ug/L											
Ethane	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L											
Chloride	----	----	----	----	----	----	----	----	----	----	----
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	----	----	----	----	----	----	----	----	----
Total Alkalinity	180	----	184	----	195	----	207	241	----	----	250
Total Organic Carbon	----	----	----	----	----	----	5.3	6.3	5.2	1.6	5.7
pH	7.11	----	6.66	----	6.94	----	6.18	6.59	6.82	6.82	6.82
Conductivity (mS/cm)	0.305	----	0.336	----	323	----	0.285	0.433	0.400	0.400	0.352
Temperature (C)	9.53	----	12.61	----	9.59	----	12.12	9.76	11.4	11.4	8.95
ORP (mV)	-93.1	----	-80.1	----	-101.6	----	-59.1	-84.7	-124.7	-124.7	-107
Dissolved Oxygen (mg/L)	0.68	----	0.11	----	0.89	----	0.13	0.47	0.18	0.18	0.53

Note: Please see notes provided at the end of this table.

Table 1
5S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	10/16/2019	7/27/2020	11/4/2020	11/4/20 Duplicate	4/29/2021	10/19/2021	10/19/21 Duplicate	4/25/2022	PAL	ES
1,2,4-Trimethylbenzene	**988**	**1090**	**1110**	**729**	201	**1790**	**1350**	118	96	480
1,3,5-Trimethylbenzene	**<8.7**	**<8.7**	**<8.7**	**<2.2**	13.3	**<3.6**	**<7.1**	<0.36	96	480
n-Butylbenzene	<7.1	9.6J	9.1 J	6.4	<0.86	13.3	<17.1	6.6	-----	-----
sec-Butylbenzene	16.1J	12.3J	11.7 J	11.9 J	10.1	18.6	10.7 J	13.9	-----	-----
tert-Butylbenzene	18.4	13.5	14.7	15.3	11.9	18.2	15.3 J	23.2	-----	-----
Acetone	<27.4	<27.4	<27.4	<6.9	<8.6	<86.4	<173	<8.6	1800	9000
Ethylbenzene	<2.2	<3.2	<3.2	<0.80	<0.33	<3.3	<6.5	<0.33	140	700
Isopropylbenzene	37.1J	46.6J	41.4 J	45.8	18.8	54.9	38.1 J	19.7	-----	-----
p-Isopropyltoluene	8.1J	<8.0	9.1 J	8.4	3.1J	14.5 J	<20.9	6.4	-----	-----
Naphthalene	27.5J	29.8J	29.0 J	35	12	31.5 J	27.5 J	19.9	10	100
n-Propylbenzene	63.9	90.4	71.6	72.8	27.6	118.0	88.2	41.5	-----	-----
Toluene	<1.7	<2.7	<2.7	<0.67	<0.29	<2.9	<5.8	<0.29	160	800
Xylenes (total)	<15.0	23.1J	<15.0	5.9 J	7.0	<10.5	<21.0	2.7 J	400	2,000
Metals, mg/L										
Arsenic	**0.02J**	**.0108J**	0.0096 J	<0.0083	<0.0083	.0104 J	<0.0083	<0.0083	0.001	0.01
Barium	0.232	0.155	0.194	0.198	0.165	0.263	0.266	0.242	0.4	2
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Cobalt	<0.0014	<0.0014	0.0015 J	0.0017 J	<0.0014	<0.0014	0.0019 J	<0.0014	0.008	0.04
Iron	**19.6**	**12.6**	**16.0**	**16.0**	**13.3**	**19.6**	**19.5**	**18.0**	0.15	0.3
Lead	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.00059	<0.0059	<0.0059	0.0015	0.015
Manganese	**1.14**	**0.801**	**1.05**	**1.01**	**0.777**	**1.35**	**1.34**	**1.14**	0.060	0.300
Mercury	<0.000084	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Vanadium	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L										
Ethane	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L										
Chloride	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	----	169	----	----	173	----	----	262	----	----
Total Organic Carbon	4.4	2.5	4.5	4.5	3.1	4.8	4.8	4.5	----	----
pH	6.88	----	6.89	6.89	6.75	6.66	6.66	6.49	----	----
Conductivity (mS/cm)	0.533	0.262	0.333	0.333	0.381	0.444	0.444	0.489	----	----
Temperature (C)	10.00	10.22	12.09	12.09	5.41	13.06	13.06	9.55	----	----
ORP (mV)	-125.7	42.9	-290.3	-290.3	-108.7	-179.3	-179.3	1.3	----	----
Dissolved Oxygen (mg/L)	1.40	0.80	0.30	0.30	1.64	0.09	0.09	NA	----	----

Note: Please see notes provided at the end of this table.

Table 1
6S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/16/2013	4/29/2014	10/14/2015	4/26/2016	4/20/2017	4/24/2018	4/22/2019	7/29/2020	4/27/2021	4/27/21 Duplicate	4/26/2022	PAL	ES
1,2,4-Trimethylbenzene	<0.22	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.84	<0.84	<0.45	<0.45	<0.45	96	480
Acetone	----	3.0	<3.0	6.3	<3.0	<3.0	<3.0	4.3J	<2.7	<8.6	<8.6	<8.6	1800	9000
sec-Butylbenzene	<0.19	----	<2.2	<2.2	3.7	4.5J	<2.2	4.2J	<0.85	<0.42	<0.42	2.9	-----	-----
tert-Butylbenzene	1.9	----	5.3	1.0	7.3	9.0J	7.9	5.1	3.8	2.8	2.6	6.3	-----	----
Chloroethane	<0.33	<0.44	<0.37	1.2	<0.37	<0.37	<0.37	<1.3	<1.3	<1.4	<1.4	<1.4	80	400
cis-1,2-Dichloroethene	<0.22	<0.42	0.27	0.41	0.4	<0.26	0.34J	<0.27	<0.27	<0.47	<0.47	<0.47	7	70
Isopropylbenzene	<0.21	----	0.14	<0.14	1.5	0.23J	0.33J	3.0J	<1.7	<1.0	<1.0	1.6 J	-----	-----
Metals, mg/L														
Arsenic	0.00093	<0.0044	<0.0072	<0.0072	<0.0072	0.0056J	<0.0054	<0.0054	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.210	0.198	0.211	0.231	0.253	0.347	0.341	0.284	0.358	0.276	0.285	0.277	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	50.6	57.2	----	----	----	----	----	----	----	----	----	----	----
Cobalt	0.0017	0.0019	0.0022	0.0018	0.0027	0.0035J	0.0037J	0.0019J	0.003J	0.0016J	0.0017J	<0.0014	0.008	0.04
Iron	0.150	0.188	0.200	0.166	0.213	**0.366**	0.294	0.162	**0.415**	0.225	0.24	0.072 J	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	19.7	21.4	----	----	----	----	----	----	----	----	----	----	----
Manganese	**4.5**	**3.5**	**3.99**	**3.72**	**4.02**	**5.4**	**5.01**	**4.28**	**5.34**	**3.77**	**3.75**	**4.50**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.00017J	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	2.09	2.08	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	11.9	6.82	----	----	----	----	----	----	----	----	----	----	----
Vanadium	0.00044	0.0047	<0.0040	0.0114	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L														
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L														
Chloride	23	11.6	14.0	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	5.4	2.5	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	260	186	244	223	248	327	283	270	273	237	238	287	----	----
Total Organic Carbon	----	----	----	----	----	----	3.1	4.0	3.8	3.2	3.4	3.1	----	----
pH	7.67	6.99	7.05	7.13	7.34	6.91	6.61	7.08	6.52	7.23	7.23	6.69	----	----
Conductivity (mS/cm)	420	0.275	0.364	0.391	0.385	0.452	0.557	0.342	0.365	0.423	0.423	0.476	----	----
Temperature (C)	11.7	7.42	8.41	9.81	8.70	8.50	9.30	7.44	9.09	9.20	9.20	9.59	----	----
ORP (mV)	97.1	2.7	-23.7	-10.2	-8.5	12.7	-1.8	-56.6	17.1	-9.7	-9.7	21.0	----	----
Dissolved Oxygen (mg/L)	4.0	0.3	0.65	0.22	0.22	0.70	0.37	0.70	----	1.43	1.43	0.33	----	----

Note: Please see notes provided at the end of this table.

Table 1
6M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/16/2013	4/29/2014	10/14/2015	4/26/2016	10/4/2016	4/20/2017	4/24/2018	4/23/2019	7/29/2020	4/27/2021	4/26/2022	PAL	ES
Acetone	----	<2.6	<3.0	15.7	<3.0	<3.0	<3	<3.0	3.3J	3.3J	<8.6	<8.6	1800	9000
sec-Butylbenzene	<0.19	----	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	1.3J	<0.85	<0.42	<0.42	-----	-----
tert-Butylbenzene	<0.24	----	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	1.9	4.5	0.67J	<0.59	-----	-----
Chloroethane	<0.33	<0.44						<0.37	<1.3	<1.3	<1.4	<1.4	80	400
Chloromethane	<0.24	<0.39	<0.50	0.65	<0.50	<0.50	<0.50	<0.5	3.2J	<2.2	<1.6	<1.6	3	30
Isopropylbenzene	<0.21	---	<0.12	<0.14	<0.14	<0.14	<0.14	<0.14	0.42J	<1.7	<1.0	<1.0	-----	-----
Naphthalene	<0.24	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2	<1.1	<1.1	10	100
Vinyl chloride	**0.28**	<0.18						<0.18	<0.17	<0.17	<0.17	<0.17	0.02	0.2
Metals, mg/L														
Arsenic	0.00080	<0.0044	<0.0072	<0.0072	<0.0072	0.0078	<0.0054	<0.0054	<0.0054	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	1.1	**2.28**	1.19	1.46	1.1	1.2	1.17	1.06	1.79	**2.41**	1.67	1.21	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	80.8	48.7	----	----	----	----	----	----	----	----	----	-----	-----
Cobalt	0.00020	0.0029	0.0018	0.0017	0.0014	0.0016	0.0019J	0.002J	0.0015J	0.0027J	0.0023J	<0.0014	0.008	0.04
Iron	<0.037	0.0236	0.0131	<0.0129	<0.0129	<0.0129	<0.0155	0.0158J	0.0368J	0.0543J	0.0743	<0.0567	0.15	0.3
Lead	0.00030	<0.0012	<0.0030	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	18.7	11.0	----	----	----	----	----	----	----	----	----	-----	-----
Manganese	0.160	**4.07**	**2.40**	**2.52**	**2.05**	**2.0**	**2.28**	**2.15**	**3.19**	**3.96**	**2.81**	**2.11**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	0.00016J	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	1.27	0.811	----	----	----	----	----	----	----	----	----	-----	-----
Sadium	----	9.48	5.96	----	----	----	----	----	----	----	----	----	-----	-----
Vanadium	<0.00034	0.0051	<0.0020	0.0075	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L														
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----
Natural Attenuation Parameters, mg/L														
Chloride	15	29.5	19.3	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	2.3	2.7	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	150	226	169	174	142	145	145	135	208	272	202	147	-----	-----
Total Organic Carbon	----	----	----	----	----	----	----	2.8	2.7	3.1	2.7	2.8	-----	-----
pH	8.26	7.44	7.53	7.53	7.81	6.86	7.61	7.23	7.54	6.79	7.35	7.05	-----	-----
Conductivity (mS/cm)	290	0.39	0.291	0.314	0.234	0.244	0.239	0.271	0.316	0.365	0.363	0.282	-----	-----
Temperature (C)	11.3	10.7	10.07	10.00	10.24	10.76	9.69	10.32	10.03	10.64	10.32	10.36	-----	-----
ORP (mV)	71.3	-12.4	-27.0	-23.9	-15.8	90.6	3.4	-18.6	-144.4	17.9	-12.7	20.5	-----	-----
Dissolved Oxygen (mg/L)	3.0	0.3	0.57	0.33	0.11	0.06	0.72	0.14	0.40	----	0.99	0.15	-----	-----

Note: Please see notes provided at the end of this table.

Table 1
7M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	6/14/2012	5/16/2013	4/29/2014	10/13/2015	4/25/2016	4/19/2017	4/23/2018	4/22/2019	7/27/2020	4/26/2021	4/25/2022	PAL	ES
Vinyl chloride	**34**	<0.10	----	----	----	----	----	----	----	----	----	<0.17	0.02	0.2
Metals, mg/L														
Arsenic	0.00260	----	0.0054	<0.0072	<0.0072	<0.0072	<0.0054	0.0087J	<0.0054	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.190	----	0.366	0.284	0.376	0.341	0.272	0.34	0.314	0.281	0.278	0.298	0.4	2
Cadmium	<0.00010	----	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	68.6	56.9	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.00013	----	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**0.450**	----	**2.36**	**1.86**	**2.18**	**2.16**	**1.7**	**2.39**	**2.2**	**1.87**	**2.01**	**1.9**	0.15	0.3
Lead	<0.00016	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	17.2	14.4	----	----	----	----	----	----	----	----	----	----
Manganese	0.260	----	**0.777**	**0.631**	**0.810**	**0.766**	**0.634**	**0.778**	**0.753**	**0.670**	**0.668**	**0.696**	0.060	0.300
Mercury	<0.000070	----	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.00014J	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	1.38	1.08	----	----	----	----	----	----	----	----	----	----
Sodium	----	----	5.82	4.05	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	----	<0.0012	<0.0020	0.0025	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L														
Ethane	<0.49	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	0.66	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	3.6	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L														
Chloride	2.0	----	5.0	7.8	----	----	----	----	----	----	----	----	125	250
Nitrate as N	2.7	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	2.0	----	7.4	8.0	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	30	----	209	205	223	220	211	195	205	207	212	215	---	---
Total Organic Carbon	2.8	----	----	----	----	----	----	1.4	1.4	1.5	1.4	1.2	---	---
pH	8.33	----	7.16	7.82	7.64	7.85	7.69	7.38	7.69	5.84	7.64	7.23	---	---
Conductivity (mS/cm)	290	----	0.316	0.321	0.399	0.347	0.315	0.468	0.359	0.295	0.376	0.393	---	---
Temperature (C)	13.7	----	10.49	10.09	10.05	10.85	9.89	10.61	10.34	10.81	10.38	10.26	---	---
ORP (mV)	37.3	----	-122.4	-182.5	-129.3	-152.7	-135.1	-146.2	-182.2	-76.4	-148.7	-5.8	---	---
Dissolved Oxygen (mg/L)	5.5	----	0.28	0.75	0.54	0.11	0.91	0.44	2.13	0.87	2.25	NA	---	---

Note: Please see notes provided at the end of this table.

Table 1
8S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/17/2013	4/28/2014	10/13/2015	4/25/2016	4/19/2017	4/23/2018	4/23/18 Duplicate	4/22/2019	7/29/2020	4/26/2021	4/28/2022	4/28/22 Duplicate	PAL	ES
Acetone	----	<2.6	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.5J	<2.7	<8.6	<8.6	<8.6	1800	9000
sec-Butylbenzene	<0.19	----					<2.2	<2.2	<0.85	<0.85	<0.42	<0.42	<0.42	----	----
tert-Butylbenzene	<0.24	----	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.30	<0.30	<0.59	<0.59	<0.59	----	----
Metals, mg/L															
Arsenic	0.00043	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	<0.0054	<0.0054	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.052	0.0271	0.0248	0.0374	0.0308	0.0259	0.0253	0.026	0.027	0.0313	0.032	0.0368	0.033	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	40.9	47.6	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	0.00033	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.037	<0.0140	<0.0129	0.0216	<0.0129	<0.0155	<0.0155	<0.0155	<0.0354	0.0435J	<0.0567	<0.0567	<0.0567	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	0.0031	0.0032	<0.0043	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	16.5	19.1	----	----	----	----	----	----	----	----	----	----	----	----
Manganese	**0.900**	**0.330**	**0.335**	**0.530**	**0.358**	0.245	0.279	0.294	0.204	0.153	0.129	0.0972	0.087	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	0.00015J	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	0.757	0.718	----	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	9.66	8.49	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	0.00061	<0.0012	<0.0020	0.0032	<0.0020	<0.0022	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L															
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L															
Chloride	11	9.1	9.1	----	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	4.2	3.8	----	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	200	156	215	236	219	213	176	177	223	215	249	250	229	----	----
Total Organic Carbon	----	----	----	----	----	----	1.3	1.4	1.5	1.3	1.3	1.3	1.3	----	----
pH	8.15	7.24	7.25	7.27	7.43	7.26	6.83	6.83	7.27	5.77	7.27	6.86	6.86	----	----
Conductivity (mS/cm)	350	0.223	0.309	0.385	0.321	0.322	0.360	0.360	0.325	0.304	0.441	0.476	0.476	----	----
Temperature (C)	13.6	8.85	8.23	12.18	9.07	8.78	9.02	9.02	8.2	11.06	8.69	8.84	8.84	----	----
ORP (mV)	-13.8	36	124.6	-23.0	39.9	41.0	78.3	78.3	-18.9	12.6	-40.5	20.0	20.0	----	----
Dissolved Oxygen (mg/L)	5.5	7.1	8.26	2.50	3.88	6.04	4.28	4.28	5.82	4.57	4.18	8.90	8.90	----	----

Note: Please see notes provided at the end of this table.

Table 1
8M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/17/2013	4/28/2014	10/13/2015	4/26/2016	4/19/2017	4/23/2018	4/22/2019	7/29/2020	4/26/2021	4/28/2022	PAL	ES
1,2,4-Trimethylbenzene	<0.22	1.7	<0.50	234	<0.50	<0.50	<0.50	<0.84	<0.84	<0.45	<0.45	96	480
1,3,5-Trimethylbenzene	<0.23	<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.87	<0.87	<0.36	<0.36	96	480
sec-Butylbenzene	<0.19	----	<2.2	20.7	<2.2	<2.2	<2.2	<0.85	<0.85	2.1	<0.42	----	----
tert-Butylbenzene	<0.24	----	<0.18	2.6	0.57	<0.18	<0.18	<0.30	<0.30	<0.59	<0.59	----	----
Chloroethane	<0.33	<0.44	<0.37	<0.37	<0.37	0.38J	<0.37	<1.3	<1.3	<1.4	<1.4	80	400
cis-1,2-Dichloroethene	<0.22	<0.42	<0.26	0.33	<0.26	0.31J	<0.26	<0.27	<0.27	<0.47	<0.47	7	70
Isopropylbenzene	<0.21	----	<0.12	12.4	<0.14	<0.14	<0.14	<0.39	<1.7	<1.0	<1.0	----	----
Trichloroethene	<0.18	<0.43	<0.33	<0.33	<0.33	<0.33	<0.33	<0.26	<0.26	<0.32	<0.32	0.5	5
n-Propylbenzene	----	----	----	4.2	<0.50	<0.50	<0.5	<0.81	<0.81	<0.35	<0.35	----	----
Metals, mg/L													
Arsenic	0.0014	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	**0.0115J**	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.320	0.933	0.512	1.00	0.736	0.711	0.586	0.497	0.596	0.763	0.93	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	91.4	49.5	----	----	----	----	----	----	----	----	----	----
Cobalt	0.00013	0.0011	<0.00094	0.0010	0.0012	0.0016J	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.037	**0.488**	0.246	**0.454**	**0.367**	**0.334**	0.247	0.172	0.188	0.264	0.273	0.15	0.3
Lead	<0.00016	0.0014	<0.0030	<0.0030	<0.0030	<0.0043	0.0065J	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	25.5	14.0	----	----	----	----	----	----	----	----	----	----
Manganese	0.0089	**4.59**	**2.48**	**4.96**	**3.86**	**3.67**	**2.8**	**2.27**	**2.58**	**3.08**	**3.64**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	1.88	1.23	----	----	----	----	----	----	----	----	----	----
Sodium	----	9.18	6.94	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	0.0055	<0.0020	0.0139	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L													
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L													
Chloride	18	7.5	12.4	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	2.7	4.3	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	250	309	192	339	263	236	152	153	178	251	254	----	----
Total Organic Carbon	----	----	----	----	----	----	2	2.3	2.3	2.3	2.2	----	----
pH	8.02	7.32	7.48	7.33	7.55	7.37	7.17	7.58	5.92	----	6.97	----	----
Conductivity (mS/cm)	410	0.44	0.313	0.540	0.389	0.363	0.360	0.268	0.260	0.425	0.491	----	----
Temperature (C)	12.7	10.8	10.67	10.09	10.43	10.04	10.67	10.27	10.59	10.28	10.41	----	----
ORP (mV)	-57.8	-62.5	-107.4	-51.9	-60.2	-50.1	-48.4	-98.2	12.1	136.6	12.6	----	----
Dissolved Oxygen (mg/L)	3.2	0.38	0.74	0.36	0.20	0.72	0.30	0.37	0.14	1.69	2.78	----	----

Note: Please see notes provided at the end of this table.

Table 1
9M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	6/14/2012	5/16/2013	4/29/2014	10/14/2015	4/26/2016	4/20/2017	4/24/2018	4/23/2019	7/30/2020	4/27/2021	4/28/2022	PAL	ES
Vinyl chloride	**0.66**	<0.10	----	----	----	----	----	----	----	----	----	<0.17	0.02	0.2
Metals, mg/L														
Arsenic	0.0065	----	0.0061	<0.0072	<0.0072	<0.0072	0.0061J	0.0078J	<0.0054	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.050	----	0.193	0.174	0.162	0.157	0.161	0.172	0.161	0.161	0.167	0.191	0.4	2
Cadmium	<0.00010	----	0.00043	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	69.2	63.6	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.00013	----	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.037	----	**2.84**	**2.56**	**2.12**	**2.35**	**2.3**	**2.53**	**2.33**	**2.33**	**2.36**	**2.51**	0.15	0.3
Lead	<0.00016	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	16.7	15.4	----	----	----	----	----	----	----	----	----	----
Manganese	0.0066	----	**1.02**	**0.911**	**0.879**	**0.866**	**0.881**	**0.914**	**0.866**	**0.868**	**0.870**	**0.974**	0.060	0.300
Mercury	<0.000070	----	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	1.56	1.28	----	----	----	----	----	----	----	----	----	----
Sodium	----	----	9.76	6.87	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	----	<0.0012	<0.0020	0.0030	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L														
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	---	---
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	---	---
Methane	----	----	----	----	----	----	----	----	----	----	----	----	---	---
Natural Attenuation Parameters, mg/L														
Chloride	7.8	----	13.8	32.5	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	3.4	4.5	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	150	----	213	202	206	199	194	184	184	192	197	188	---	---
Total Organic Carbon	----	----	----	----	----	----	----	2	2.3	2.5	2.4	2.4	---	---
pH	7.61	----	7.56	10.18	7.68	7.88	7.70	7.44	7.75	6.30	7.62	7.20	---	---
Conductivity (mS/cm)	290	----	0.34	0.382	0.342	0.322	0.337	0.411	0.321	0.305	0.410	0.442	---	---
Temperature (C)	14.3	----	10.75	10.42	10.19	10.51	10.1	10.69	10.40	10.69	10.42	10.36	---	---
ORP (mV)	51.6	----	-146.9	-596.0	-136.1	-152.5	-155.3	-152.3	-194.2	20.4	334.6	2.9	---	---
Dissolved Oxygen (mg/L)	7.0	----	0.35	0.63	0.44	0.37	0.73	0.18	0.27	0.13	1.79	3.06	---	---

Note: Please see notes provided at the end of this table.

Table 1
10M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/16/2013	4/29/2014	10/14/2015	4/26/2016	4/20/2017	4/24/2018	4/23/2019	7/30/2020	4/27/2021	4/26/2022	PAL	ES
Metals, mg/L													
Arsenic	0.00055	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	<0.0054	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.015	0.0624	0.0343	0.0442	0.0554	0.0588	0.0807	0.068	0.0552	0.374	0.061	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	59.8	37.8	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.00013	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	0.0015J	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.037	<0.0140	<0.0129	<0.0129	<0.0129	<0.0155	<0.0155	<0.0354	<0.0352	<0.0567	0.145	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	0.0044J	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	24.6	15.4	----	----	----	----	----	----	----	----	----	----
Manganese	0.0016	**1.94**	**1.19**	**1.36**	**1.68**	**1.44**	**1.79**	**1.74**	**1.37**	**1.26**	**1.62**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	1.39	0.981	----	----	----	----	----	----	----	----	----	----
Sodium	----	4.03	2.76	----	----	----	----	----	----	----	----	----	----
Vanadium	0.00047	0.0027	<0.0020	0.0048	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Natural Attenuation Parameters, mg/L													
Chloride	7.4	19.1	9.7	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	3.4	5.2	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	130	200	160	241	209	183	228	209	167	153	187	----	----
Total Organic Carbon	----	----	----	----	----	----	2.2	2.2	2.4	2.1	2.1	----	----
pH	7.66	7.42	8.86	7.63	7.74	7.53	7.30	7.52	6.80	7.46	7.09	----	----
Conductivity (mS/cm)	270	0.333	0.258	0.285	0.334	0.319	0.431	0.335	0.252	0.321	0.396	----	----
Temperature (C)	13.2	10.89	10.72	10.4	10.74	10.26	10.86	10.56	10.94	10.67	10.68	----	----
ORP (mV)	24.7	10.5	-444.4	-46.3	10.2	33.5	23.4	-95.8	20.8	327.0	22.9	----	----
Dissolved Oxygen (mg/L)	5.0	0.4	0.56	0.51	0.24	0.83	0.19	0.32	0.22	1.58	0.10	----	----

Note: Please see notes provided at the end of this table.

Table 1
11M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	6/14/2012	5/16/2013	4/29/2014	10/14/2015	4/26/2016	4/20/2017	4/24/2018	4/24/2019	7/30/2020	4/27/2021	4/27/21 Duplicate	4/28/2022	PAL	ES
Vinyl chloride	**0.31**	<0.10	----	----	----	----	----	----	----	----	----	----	<0.17	0.02	0.2
Metals, mg/L															
Arsenic	0.00087	----	<0.0044	0.0078	<0.0072	<0.0072	0.0068J	0.0056J	<0.0054	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.078	----	0.223	0.170	0.181	0.182	0.204	0.226	0.226	0.188	0.215	0.208	0.23	0.4	2
Cadmium	<0.00010	----	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	78.4	61.1	----	----	----	----	----	----	----	----	----	---	---
Cobalt	<0.00013	----	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.037	----	**4.14**	**3.03**	**2.89**	**3.3**	**3.25**	**3.61**	**3.47**	**2.54**	**3.07**	**2.97**	**3.52**	0.15	0.3
Lead	<0.00016	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	0.0045J	<0.0064	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	16.8	13.0	----	----	----	----	----	----	----	----	----	---	---
Manganese	0.0023	----	**1.48**	**1.11**	**1.16**	**1.18**	**1.22**	**1.26**	**1.2**	**1.08**	**1.19**	**1.15**	**1.31**	0.060	0.300
Mercury	<0.000070	----	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	1.38	1.05	----	----	----	----	----	----	----	----	----	---	---
Sodium	----	----	3.79	2.84	----	----	----	----	----	----	----	----	----	---	---
Vanadium	<0.00034	----	<0.0012	<0.0020	0.0028	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L															
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---
Natural Attenuation Parameters, mg/L															
Chloride	9.2	----	20.0	6.9	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	9.0	11.4	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	75	----	205	209	205	203	198	195	202	186	189	190	187	---	---
Total Organic Carbon	----	---	----	----	----	----	----	0.87	1.1	1.1	1.1	1.1	1.1	---	---
pH	7.39	----	7.53	9.77	7.61	7.83	7.60	7.42	7.55	6.35	7.05	7.05	7.01	---	---
Conductivity (mS/cm)	330	----	0.356	0.342	0.333	0.317	0.358	0.446	0.373	0.291	0.404	0.404	0.438	---	---
Temperature (C)	12.6	----	10.6	10.25	10.23	10.35	9.87	10.64	10.28	10.71	10.35	10.35	10.38	---	---
ORP (mV)	17.7	----	-141.8	-545.2	-129.4	-149.2	-148.9	-153.9	-194.5	21.0	65.8	65.8	6.2	---	---
Dissolved Oxygen (mg/L)	4.5	----	0.42	0.78	0.73	0.30	0.76	0.23	0.29	0.12	3.70	3.70	2.99	---	---

Note: Please see notes provided at the end of this table.

Table 1
12S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	10/13/2015	4/25/2016	4/19/2017	4/23/2018	4/24/2019	7/27/2020	4/26/2021	4/25/2022	PAL	ES
Metals, mg/L										
Arsenic	<0.0072	<0.0072	<0.0054	<0.0054	<0.0054	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.0206	0.0199	0.0169	0.0186	0.0194	0.0188	0.0185	0.0204	0.4	2
Cadmium	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Cobalt	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.0129	<0.0129	<0.0155	<0.0155	<0.0354	<0.0352	<0.0567	<0.0567	0.15	0.3
Lead	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Manganese	<0.0014	<0.0014	<0.0011	<0.0011	<0.0011	<0.0015	<0.0015	<0.0015	0.060	0.300
Mercury	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Vanadium	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L										
Ethane	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---
Natural Attenuation Parameters, mg/L										
Chloride	---	---	---	---	---	---	---	---	125	250
Nitrate as N	---	---	---	---	---	---	---	---	2	10
Sulfate	---	---	---	---	---	---	---	---	125	250
Total Alkalinity	210	192	199	206	189	198	225	228	---	---
Total Organic Carbon	---	---	---	0.64J	0.96	0.76	0.75	0.77	---	---
pH	7.32	7.54	7.24	7.10	7.25	---	7.36	6.82	---	---
Conductivity (mS/cm)	0.351	0.358	0.303	0.381	0.294	0.286	0.390	0.435	---	---
Temperature (C)	11.81	9.21	8.89	9.24	8.28	10.77	8.89	8.88	---	---
ORP (mV)	-8.9	30.4	48.4	70.5	-25.0	272.1	-18.5	27.4	---	---
Dissolved Oxygen (mg/L)	5.64	4.32	6.29	6.01	4.2	3.93	5.76	5.31	---	---

Note: Please see notes provided at the end of this table.

Table 1
14S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/17/2013	4/28/2014	10/15/2015	4/27/2016	4/21/2017	4/25/2018	4/25/18 Duplicate	4/24/2019	7/30/2020	4/29/2021	4/27/2022	PAL	ES
1,2,4-Trimethylbenzene	1.3	3.3	1.8	5.3	6.5	7.1	4.1	3.7	4.2	6	7.3	3.2	96	480
1,3,5-Trimethylbenzene	<0.23	----	0.52	1.3	1.3	1.2	0.95J	0.82J	<0.87	1.0J	1.1	0.43 J	96	480
Acetone	---	3.2	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.1J	<2.7	<8.6	<8.6	1800	9000
n-Butylbenzene	<0.21	----	1.5	3.5	<0.50	<0.50	2.6	<0.50	2.3J	2.6	2.4	2.1	----	----
sec-Butylbenzene	0.60	----	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	1.3J	1.4J	1.5	1.5	----	----
tert-Butylbenzene	----	----	<0.18	0.21	0.21	0.19J	<0.18	<0.18	<0.30	<0.30	<0.59	<0.59	----	----
Ethylbenzene	0.25	0.65	<0.50	1.1	1.2	0.76J	0.67J	0.56J	0.60J	0.58J	0.74J	0.62 J	140	700
Isopropylbenzene	0.58	----	0.72	1.9	2.2	1.9	1.3	1.3	2.6J	<1.7	1.8J	1.6 J	----	----
p-Isopropyltoluene	<0.24	----	<0.13	0.58	<0.50	3.1	<0.5	<0.5	<0.80	<0.80	<1.0	<1.0	----	----
Naphthalene	8.9	16.3	10.7	31.2	31.1	31.2	21.6	19.7	22.6	25.3	24.3	28.2	10	100
n-Propylbenzene	0.69	----	1.2	2.9	3.0	2.6	1.9	1.8	1.7J	1.9J	2.3	2.5	----	----
Xylenes (total)	0.85	1.7	<1.5	3.1	3.5	3.1	2.1J	1.9J	1.7J	1.9J	2.4J	1.5 J	400	2,000
Metals, mg/L														
Arsenic	0.00041	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	<0.0054	<0.0054	<0.0054	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.080	0.117	0.110	0.161	0.0989	0.100	0.088	0.0881	0.0764	0.1080	0.0888	0.0834	0.4	2
Cadmium	<0.00010	0.00044	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	45.6	32.3	----	----	----	----	----	----	----	----	----	----	----
Cobalt	0.00067	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	0.0014J	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**2.3**	**7.27**	**9.85**	**12.1**	**7.4**	**6.73**	**5.13**	**5.20**	**4.34**	**5.12**	**4.46**	**4.19**	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	15.2	12.6	----	----	----	----	----	----	----	----	----	----	----
Manganese	**0.800**	**1.26**	**1.77**	**2.09**	**1.16**	**1.000**	**0.852**	**0.886**	**0.612**	**0.833**	**0.646**	**0.552**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	4.9	4.48	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	6.34	5.87	----	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	0.0022	<0.0020	0.0066	<0.0020	<0.0022	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L														
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	-----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	-----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L														
Chloride	7.6	5.2	4.8	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	6.8	5.0	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	160	149	145	233	176	169	156	162	147	199	183	182	----	----
Total Organic Carbon		----	----	----	----	----	3	3	3.4	3.9	2.9	2.7	----	----
pH	8.09	6.36	7.05	6..68	7.22	6.85	6.48	6.48	6.80	6.28	6.65	6.37	----	----
Conductivity (mS/cm)	280	0.237	0.234	0.386	0.254	0.266	0.288	0.288	0.199	0.274	0.366	0.343	----	----
Temperature (C)	9.1	7.61	7.45	10.85	8.02	7.78	7.71	7.71	6.95	10.64	4.14	8.05	----	----
ORP (mV)	-93.6	-12.3	-60.4	-46.9	-61.7	-55.4	-48.0	-48.0	-84.2	7.4	-79.1	27.4	----	----
Dissolved Oxygen (mg/L)	2.0	3.4	11.09	0.55	0.43	0.87	1.30	1.30	1.36	0.21	1.75	1.51	----	----

Note: Please see notes provided at the end of this table.

Table 1
15M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	4/18/2012 Duplicate	5/15/2013	4/29/2014	10/13/2015	4/26/2016	4/20/2017	4/23/2018	4/22/2019
1,2,4-Trimethylbenzene	<0.22	<0.22	2.6	<0.50	<0.50	<0.50	<0.50	----	----
sec-Butylbenzene	<0.19	<0.19	----	<2.2	<2.2	<2.2	<2.2	----	----
tert-Butylbenzene	<0.24	<0.24	----	<0.18	<0.18	<0.18	<0.18	----	----
Vinyl chloride	**0.32**	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	----	----
Metals, mg/L									
Arsenic	0.00026	----	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	0.0077J
Barium	0.320	----	0.720	0.301	0.388	0.376	0.526	0.595	0.533
Cadmium	<0.00010	----	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013
Calcium	----	----	78	30.3	----	----	----	----	----
Cobalt	0.00055	----	0.0012	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014
Iron	0.210	----	**0.494**	**0.355**	**0.424**	**0.336**	**0.38**	0.299	0.216
Lead	0.0023	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064
Magnesium	----	----	20.1	7.89	----	----	----	----	----
Manganese	**1.7**	----	**4.04**	**1.60**	**1.81**	**1.67**	**2.04**	**2.27**	**2.00**
Mercury	<0.000070	----	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084
Potassium	----	----	1.54	0.712	----	----	----	----	----
Sodium	----	----	6.21	2.69	----	----	----	----	----
Vanadium	<0.00034	----	0.0051	<0.0020	0.0057	<0.0020	<0.0022	<0.0022	<0.0022
Dissolved Gases, ug/L									
Ethane	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L									
Chloride	7.4	----	12.6	9.7	----	----	----	----	----
Nitrate as N	---	----	----	----	----	----	----	----	----
Sulfate	---	----	3.9	5.6	----	----	----	----	----
Total Alkalinity	100	----	243	108	124	110	146	148	148
Total Organic Carbon	---	----	----	----	----	----	----	2.5	2.8
pH	7.46	----	7.35	7.67	7.57	7.85	7.64	7.30	7.67
Conductivity (mS/cm)	180	----	0.374	0.189	0.220	0.209	0.264	0.345	0.244
Temperature (C)	12.0	----	10.85	10.22	10.01	10.37	9.83	10.85	10.38
ORP (mV)	125.1	----	-69.1	-134.8	-90.3	-103.7	-98.2	-77.5	-177.5
Dissolved Oxygen (mg/L)	4.2	----	0.55	0.76	0.41	0.13	0.64	0.27	0.29

Note: Please see notes provided at the end of this table.

Table 1
15M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	7/29/2020	4/26/2021	4/26/2022	PAL	ES
1,2,4-Trimethylbenzene	----	----	<0.45	96	480
sec-Butylbenzene	----	----	<0.42	----	----
tert-Butylbenzene	----	----	<0.59	----	----
Vinyl chloride	----	----	<0.17	0.02	0.2
Metals, mg/L					
Arsenic	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.900	0.467	0.496	0.4	2
Cadmium	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----
Cobalt	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**0.46**	**0.376**	0.253	0.15	0.3
Lead	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	----	----	----
Manganese	**3.33**	**1.81**	**1.72**	0.060	0.300
Mercury	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	----	----	----
Sodium	----	----	----	----	----
Vanadium	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L					
Ethane	----	----	----	----	----
Ethene	----	----	----	----	----
Methane	----	----	----	----	----
Natural Attenuation Parameters, mg/L					
Chloride	----	----	----	125	250
Nitrate as N	----	----	----	2	10
Sulfate	----	----	----	125	250
Total Alkalinity	248	133	123	----	----
Total Organic Carbon	3.8	2.8	2.7	----	----
pH	7.43	7.54	7.07	----	----
Conductivity (mS/cm)	0.356	0.248	0.243	----	----
Temperature (C)	11.24	10.44	10.28	----	----
ORP (mV)	20.0	-90.2	17.3	----	----
Dissolved Oxygen (mg/L)	0.08	2.05	0.30	----	----

Note: Please see notes provided at the end of this table.

Table 1
16S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	4/19/2012 Duplicate	5/17/2013	4/28/2014	10/13/2015	4/25/2016	4/19/2017	4/19/2017 Duplicate	4/25/2018	4/24/2019	4/24/19 Duplicate
1,2,4-Trimethylbenzene	4.5	2.9	<1.1	<0.50	<0.50	1.0	<0.50	<0.50	<0.50	<0.84	<0.84
1,3,5-Trimethylbenzene	<0.23	<0.23	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.87	<0.87
n-Butylbenzene	2.2	<0.21	----	2.0	16.1	1.6	0.65J	0.63J	<0.5	9.2	10.4
sec-Butylbenzene	5.5	4.2	----	5.1	38.6	11	<2.2	<2.2	<2.2	18.5	20.3
tert-Butylbenzene	3.7	2.8	----	3.4	25.9	7.7	1.1	1.1	<0.18	15.0	14.1
Acetone	----	----	<5.2	<3.0	<3.0	<3.0	<3.0	<0.30	<3.0	<2.7	6.4J
Benzene	<0.12	<0.12	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.25	<0.25
Ethylbenzene	0.51	0.25	1.6	<0.50	0.63	<0.50	<0.50	<0.50	<0.50	0.23J	<0.22
Isopropylbenzene	8.4	6.3	----	12.1	42.6	18.9	3.6	3.5	<0.14	35.8	37.6
p-Isopropyltoluene	0.69	<0.24	-----	1.3	5.6	1.8	<0.50	<0.50	<0.5	0.98J	<0.80
Naphthalene	8.6	6.3	11.2	8.7	29.2	9.4	<2.5	<2.5	<2.5	28.7	24.9
n-Propylbenzene	17	13	----	22.8	94.7	35.8	7.1	7.1	<0.5	78.0	83.3
Xylenes (total)	0.43	<0.30	<2.6	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Metals, mg/L											
Arsenic	0.0028	----	0.0068	<0.0072	0.0080	<0.0072	<0.0054	----	**0.0107J**	0.0058J	**0.0187J**
Barium	0.2200	----	0.168	0.104	0.231	0.179	0.131	----	0.184	0.129	0.127
Cadmium	<0.00010	----	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	----	<0.0013	<0.0013	<0.0013
Calcium	----	----	92.2	56.4	----	----	----	----	----	----	----
Cobalt	0.0018	----	0.0018	0.0024	<0.00094	0.0025	<0.0014	----	0.0016J	<0.0014	<0.0014
Iron	**5.7**	----	**7.14**	**2.47**	**25.6**	**5.57**	**0.305**	----	**19.3**	**13.7**	**12.4**
Lead	<0.00016	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	----	<0.0043	<0.0064	<0.0064
Magnesium	----	----	33.5	21.1	----	----		----	----	----	----
Manganese	**1.8**	----	**1.32**	**0.684**	**3.36**	**1.33**	0.224	----	**1.69**	**1.11**	**1.05**
Mercury	<0.000070	----	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	----	<0.00013	<0.000084	<0.000084
Potassium	----	----	3.17	2.02	----	----	----	----	----	----	----
Sodium	----	----	16.7	12.8	----	----	----	----	----	----	----
Vanadium	<0.00034	----	0.0019	<0.0020	0.0116	<0.0020	<0.0022	----	<0.0022	<0.0022	<0.0022
Natural Attenuation Parameters, mg/L											
Chloride	9.4	----	6.9	5.9	----	----	----	----	----	----	----
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	8.6	5.1	----	----	----	----	----	----	----
Total Alkalinity	390	----	336	259	379	431	396	----	300	296	290
Total Organic Carbon	----	----	----	----	----	----	----	----	3.6	3.3	3.6
pH	7.43	----	6.32	6.86	6.61	6.90	6.71	----	6.29	6.74	6.74
Conductivity (mS/cm)	570	----	0.462	0.364	0.654	0.562	0.507	----	0.519	0.385	0.385
Temperature (C)	8.8	----	7.59	7.62	12.64	8.65	8.07	----	7.66	7.63	7.63
ORP (mV)	151.7	----	3.7	-19.9	-67.2	-41.9	6.0	----	-39.0	-80.6	-80.6
Dissolved Oxygen (mg/L)	5.0	----	1.4	6.32	0.42	0.71	1.11	----	0.79	1.22	1.22

Note: Please see notes provided at the end of this table.

Table 1
16S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	7/29/2020	4/30/2021	4/30/21 Duplicate	4/27/2022	PAL	ES
1,2,4-Trimethylbenzene	<0.84	<0.45	<0.45	<0.45	96	480
1,3,5-Trimethylbenzene	<0.87	<0.36	<0.36	<0.36	96	480
n-Butylbenzene	9.0	6.2	5.5	12.5	-----	-----
sec-Butylbenzene	18.6	14.1	12.5	26.1	-----	-----
tert-Butylbenzene	11.3	9.7	8.7	17.3	-----	-----
Acetone	<2.7	<8.6	<8.6	<8.6	1800	9000
Benzene	<0.25	<0.30	<0.30	<0.30	0.5	5
Ethylbenzene	<0.32	<0.33	<0.33	<0.33	140	700
Isopropylbenzene	27.1	24.7	22.3	41.6	-----	-----
p-Isopropyltoluene	0.96J	<1.0	<1.0	<1.0	-----	-----
Naphthalene	19.2	21.3	17.8	27.3	10	100
n-Propylbenzene	57.0	46.0	40.3	90.2	-----	-----
Xylenes (total)	<1.5	<1.0	<1.0	<1.0	400	2,000
Metals, mg/L						
Arsenic	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.161	0.190	0.196	0.188	0.4	2
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----	----
Cobalt	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**11.4**	**14.8**	**15.9**	**16.9**	0.15	0.3
Lead	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	----	----	----	----
Manganese	**1.39**	**1.74**	**1.82**	**2.05**	0.060	0.300
Mercury	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	----	----	----	----
Sodium	----	----	----	----	----	----
Vanadium	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Natural Attenuation Parameters, mg/L						
Chloride	----	----	----	----	125	250
Nitrate as N	----	----	----	----	2	10
Sulfate	----	----	----	----	125	250
Total Alkalinity	372	385	386	370	----	----
Total Organic Carbon	3.3	3.5	3.6	4.0	----	----
pH	6.18	6.38	6.38	6.28	----	----
Conductivity (mS/cm)	0.525	0.772	0.772	0.708	----	----
Temperature (C)	12.73	4.97	4.97	9.25	----	----
ORP (mV)	8.0	-61.9	-61.9	13.5	----	----
Dissolved Oxygen (mg/L)	0.11	1.37	1.37	4.16	----	----

Note: Please see notes provided at the end of this table.

Table 1
16M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/17/2013	4/28/2014	10/13/2015	4/25/2016	10/3/2016	4/19/2017	4/25/2018	4/24/2019	7/29/2020	7/29/20 Duplicate	4/30/2021	4/27/2022
1,4-Dichlorobenzene	<0.24	<0.43	<0.50	0.58	<0.50	----	<0.50	<0.5	<0.94	<0.94	<0.94	<0.89	<0.89
1,2,4-Trimethylbenzene	<0.22	2.9	2.3	<0.50	1.5	----	<0.50	<0.50	<0.84	<0.84	<0.84	0.87J	<0.45
1,3,5-Trimethylbenzene	<0.23	<2.5	<0.50	<0.50	<0.50	----	<0.50	<0.50	<0.87	<0.87	<0.87	<0.36	<0.36
Acetone	----	<2.6	<0.30	<3.0	<3.0	----	<3.0	<3.0	3.6J	3.5J	5.7J	<8.6	<8.6
Benzene	<0.12	0.85	0.65	1.2	0.80	----	<0.50	<0.5	0.71J	**5.8**	**10.0**	1.2	0.92 J
n-Butylbenzene	<0.21	-----	<0.22	1.1	<0.50	----	<0.50	11.9	<0.71	<0.71	<0.71	1.3	2.6
sec-Butylbenzene	<0.19	------	<2.2	5	<2.2	----	<2.2	22.7	<0.85	<0.85	<0.85	4.1	10.6
tert-Butylbenzene	<0.24	-----	0.99	4.5	1.7	----	<0.18	16.7	0.69J	<0.30	<0.30	4.3	13.3
Chlorobenzene	<0.24	2.4	2.9	3.8	2.7	----	1.1	<0.5	0.73J	<0.71	<0.71	<0.86	0.88 J
Chloroethane	<0.33	<0.44	1.1	0.77	<0.37	----	<0.37	<0.37	<1.3	<1.3	<1.3	<1.4	<1.4
cis-1,2-Dichloroethene	<0.22	<0.42	<0.26	0.29	<0.26	----	<0.	<0.26	0.30J	<0.27	<0.27	<0.47	<0.47
Ethylbenzene	<0.14	<0.50	<0.50	<0.50	<0.50	----	<0.17	<0.50	<0.22	<0.32	<0.32	<0.33	<0.33
Isopropylbenzene	<0.21	----	1.6	16.2	7.5	----	<0.14	52.8	1.6J	<1.7	<1.7	17.3	35.0
Naphthalene	<0.24	<2.5	<2.5	<2.5	<2.5	----	<2.5	43	<1.2	<1.2	<1.2	5.7	15.3
n-Propylbenzene	<0.19	-----	<0.50	7.0	4.5	----	<0.50	110	<0.81	<0.81	<0.81	14.9	26.0
p-Isopropyltoluene	<0.24	------	<0.13	<0.50	<0.50	----	<0.50	1.1	<0.80	<0.80	<0.80	<1.0	<1.0
Toluene	<0.15	<0.44	<0.50	<0.50	<0.50	----	<0.50	<0.50	<0.17	0.69J	0.90	<0.29	<0.29
Vinyl chloride	<0.13	<0.18	------	------	------	----	------	<0.18	<0.17	0.31J	0.60J	<0.17	<0.17
Xylenes (total)	<0.30	<1.3	<1.5	<1.5	<1.5	----	<1.5	<1.5	<1.5	<1.5	<1.5	<1.0	<1.0
Metals, mg/L													
Arsenic	0.0042	**0.0288**	**0.0261**	**0.0247**	**0.0253**	**0.0284**	**0.0308**	**0.0342**	**0.0254**	**0.0244J**	**0.0228J**	**0.0286**	**0.0201 J**
Barium	0.470	1.35	1.24	1.44	1.37	1.17	1.03	1.95	1.43	0.972	0.973	1.36	1.68
Cadmium	<0.00010	0.00044	<0.00060	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Calcium	----	61	55.0	----	----	----	----	----	----	----	----	----	----
Cobalt	0.0032	0.0015	0.0021	0.0023	0.0022	0.0014	<0.0014	0.0037J	<0.0014	<0.0014	0.0015J	0.0017J	<0.0014
Iron	**1.8**	**23.4**	**20.3**	**21.1**	**21.5**	**18.2**	**15.1**	**32.8**	**22.8**	**14.6**	**14.3**	**20.7**	**24.1**
Lead	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	<0.0059
Magnesium	----	17.4	14.1	----	----	----	----	----	----	----	----	----	----
Manganese	0.220	**1.38**	**1.22**	**1.35**	**1.4**	**1.06**	**0.963**	**1.92**	**1.40**	**0.949**	**0.882**	**1.420**	**1.710**
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	<0.000066
Potassium	----	4.64	4.07	----	----	----	----	----	----	----	----	----	----
Sodium	----	19.7	17.3	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	0.0021	<0.0020	0.0049	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	<0.0026
Natural Attenuation Parameters, mg/L													
Chloride	22	28.1	35.7	----	----	----	----	----	----	----	----	----	----
Nitrate as N	----	-----	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	2.2	2.2	----	----	----	----	----	----	----	----	----	----
Total Alkalinity	140	192	206	268	237	188	179	302	216	183	183	263	291
Total Organic Carbon	----	----	----	----	----	----	----	6.0	5.2	4.6	4.6	4.3	4.2
pH	8.04	7.18	7.37	7.13	7.38	7.12	7.35	6.95	7.23	6.64	6.64	7.08	6.85
Conductivity (mS/cm)	270	0.404	0.439	0.523	0.491	0.399	0.357	0.620	0.419	0.292	0.292	0.567	0.578
Temperature (C)	9.2	11.2	10.79	10.19	11.4	11.26	11.04	11.48	11.08	11.33	11.33	7.3	11.52
ORP (mV)	54.8	-160	-184.8	-122.8	-156.4	-148.5	-168.2	-143.1	-196.7	4.4	4.4	-163.8	-13.7
Dissolved Oxygen (mg/L)	310	1	0.85	0.56	0.16	0.04	0.77	0.14	0.13	0.10	0.10	1.80	3.14

Note: Please see notes provided at the end of this table.

Table 1
16M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	PAL	ES
1,4-Dichlorobenzene	15	75
1,2,4-Trimethylbenzene	96	480
1,3,5-Trimethylbenzene	96	480
Acetone	1800	9000
Benzene	0.5	5
n-Butylbenzene	-----	-----
sec-Butylbenzene	-----	-----
tert-Butylbenzene	-----	-----
Chlorobenzene	-----	-----
Chloroethane	80	400
cis-1,2-Dichloroethene	7	70
Ethylbenzene	140	700
Isopropylbenzene	-----	-----
Naphthalene	10	100
n-Propylbenzene	-----	-----
p-Isopropyltoluene	-----	-----
Toluene	160	800
Vinyl chloride	0.02	0.2
Xylenes (total)	400	2,000

Metals, mg/L		
Arsenic	0.001	0.01
Barium	0.4	2
Cadmium	0.0005	0.005
Calcium	----	----
Cobalt	0.008	0.04
Iron	0.15	0.3
Lead	0.0015	0.015
Magnesium	----	----
Manganese	0.060	0.300
Mercury	0.0002	0.002
Potassium	----	----
Sodium	----	----
Vanadium	0.006	0.03

Natural Attenuation Parameters, mg/L		
Chloride	125	250
Nitrate as N	2	10
Sulfate	125	250
Total Alkalinity	----	----
Total Organic Carbon	----	----

pH	----	----
Conductivity (mS/cm)	----	----
Temperature (C)	----	----
ORP (mV)	----	----
Dissolved Oxygen (mg/L)	----	----

Note: Please see notes provided at the end of this table.

Table 1
17S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/15/2013	10/29/2013	4/28/2014	10/28/2014	10/28/2014 Duplicate	10/13/2015	4/25/2016	10/3/2016	4/18/2017	1/9/2018	4/25/2018	10/24/2018	4/24/2019
1,2,4-Trimethylbenzene	390	261	**1780**	215	378	318	448	**943**	**897**	433	**1090**	436	**1350**	304
1,3,5-Trimethylbenzene	<0.23	<2.5	**<5.0**	<0.50	<1.2	<2.0	<1.2	**<5.0**	**<5.0**	<5.0	**<5.0**	<5.0	**<8.7**	<3.5
n-Butylbenzene	<0.21	----	8.5	2.5	5.8	4.8	6.4	<5.0	7.7	<5.0	9.7J	6.7J	7.3J	3.8J
sec-Butylbenzene	13	----	24.2	15.5	21.2	18.6	22.7	22.5	<21.9	<21.9	30.2J	<21.9	13.1J	13.1J
tert-Butylbenzene	<0.24	----	12.3	5.0	7.8	6.9	11.3	7.8	5.2	3.2J	11.2	9.3J	10.3	3.7J
Benzene	<0.12	<0.50	----	----	----	----	----	----	----	----	<5.0	<5.0	<2.5	<0.99
Isopropylbenzene	5.8	----	25.2	6.1	10.2	9.0	8.7	11.5	8.5	5.2J	13.4	9.8J	11.4J	6.2J
p-Isopropyltoluene	3.0	----	24.4	3.8	10.6	9.2	11.4	15.6	10.2	7.4J	23.4	8.3J	21.1J	5.7J
Naphthalene	2.6	<2.5	<25.0	<2.5	<6.2	<10.0	<6.2	<25	<25	<25	<25.0	<25.0	<11.8	7.3J
n-Propylbenzene	9.2	----	48.4	9.2	17.8	15.9	18.6	29.5	23.3	11.3	31.1	19.7J	25.5J	15.1J
Toluene	<0.15	<0.44	<4.4	<0.50	<1.2	<2.0	<1.2	<5.0	<5.0	<5.0	<5.0	<5.0	<1.7	<0.69
Xylenes (total)	<0.30	<1.3	<13.2	<1.5	<3.8	<6.0	<3.8	<15	<15	<15	<15.0	<15.0	<15.0	<6.0
Metals, mg/L														
Arsenic	0.0082	**0.0105**	**0.0203**	0.0087	**0.0111**	----	**0.0111**	**0.0108**	**0.0173**	**0.0109J**	**0.0183**	**.0104J**	<0.0054	<0.0054
Barium	0.170	0.178	0.318	0.149	0.166	----	0.204	0.173	0.177	0.172	0.22	0.187	0.188	0.143
Cadmium	<0.00010	<0.00038	<0.00038	<0.00060	<0.00060	----	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Calcuim	----	69.2	----	58.2	----	----	----	----	----	----	----	----	----	----
Cobalt	0.00049	<0.00085	<0.00085	<0.00094	<0.00094	----	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
Iron	**14**	**14.4**	**31.6**	**12.0**	**12.9**	----	**15.3**	**13.6**	**11.3**	**12.4**	**16.3**	**13.4**	**11.1**	**8.65**
Lead	<0.00016	0.0015	0.0025	<0.0030	<0.0030	----	<0.0030	0.0033	<0.0030	<0.0043	<0.0043	<0.0043	<0.0064	<0.0064
Magnesium	----	29.5	----	25.0	----	----	----	----	----	----	----	----	----	----
Manganese	**2.1**	**1.42**	**2.91**	**1.25**	**1.78**	----	**2.28**	**2.06**	**1.88**	**1.96**	**1.96**	**1.54**	**1.30**	**1.20**
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00010	----	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	<0.00013	<0.000084	<0.000084
Potassium	----	1.92	----	1.35	----	----	----	----	----	----	----	----	----	----
Sodium	----	2.65	----	2.71	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	0.0015	0.0014	<0.0020	<0.0020	----	0.0076	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Natural Attenuation Parameters, mg/L														
Chloride	3.5	4.6	----	2.6	----	----	----	----	----			----	----	----
Nitrate as N	----	----	----	----	----	----	----	----	----			----	----	----
Sulfate	----	4.5	----	3.9	----	----	----	----	----			----	----	----
Total Alkalinity	220	248	----	251	----	----	196	220	238	235	237	237	----	214
Total Organic Carbon	----	---	----	----	----	----	----	----	----		1.8	1.6	1.6	1.8
pH	7.93	6.67	6.86	7.00	6.65	----	7.01	7.27	6.83	7	6.48	6.61	6.97	7.13
Conductivity (mS/cm)	410	0.366	0.458	0.376	0.357	----	0.355	0.33	0.383	0.347	0.291	0.399	0.499	0.289
Temperature (C)	8.5	7.68	12.6	7.09	12.25	----	12.19	8.65	15.01	8.54	10.98	7.68	12.47	7.57
ORP (mV)	-18.6	-50.9	-102.4	-85.7	-50.4	----	-116.8	-107.7	-83.5	-102.8	-72	-81.8	-126.1	-122.3
Dissolved Oxygen (mg/L)	4.5	4.1	0.67	4.99	1.22	----	0.39	0.81	1.70	1.55	0.38	1.42	1.42	1.67

Note: Please see notes provided at the end of this table.

Table 1
17S
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	10/16/2019	7/27/2020	11/4/2020	4/30/2021	4/30/21 Duplicate	10/19/2021	4/26/2022	4/26/22 DUP	PAL	ES
1,2,4-Trimethylbenzene	431	**1190**	**1340**	339	----	**847**	287	192	96	480
1,3,5-Trimethylbenzene	<4.4	**<4.4**	**<4.4**	<1.8	----	**<1.8**	<1.8	<0.36	96	480
n-Butylbenzene	<3.5	6.7J	9.6J	4.6J	----	5.1	<4.3	3.8	-----	-----
sec-Butylbenzene	19.5J	20.0J	27.8	14.0	----	16.0	11.6	14.3	-----	-----
tert-Butylbenzene	6.0	8.7	9.8	5.3	----	7.9	5.0 J	4.6	-----	-----
Benzene	<1.2	**10.5J**	<1.2	<1.5	----	<1.5	<1.5	<0.30	0.5	5
Isopropylbenzene	9.1J	10.5J	10.8J	6.9J	----	8.9 J	6.0 J	5.6	-----	-----
p-Isopropyltoluene	11.8J	16.6	30.7	5.8J	----	12.8 J	<5.2	4.0 J	-----	-----
Naphthalene	<5.9	7.7J	<5.9	7.7J	----	<5.6	<5.6	1.5 J	10	100
n-Propylbenzene	16.4J	24.8J	25.9	15.4	----	20.2	11.4	13.1	-----	-----
Toluene	<0.86	3.5J	<1.3	<1.4	----	<1.4	<1.4	<0.29	160	800
Xylenes (total)	<7.5	<7.5	<7.5	6.1J	----	<5.2	<5.2	<1.0	400	2,000
Metals, mg/L										
Arsenic	**0.0147J**	<0.0083	**0.0182J**	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.14	0.172	0.180	0.127	0.122	0.211	0.149	0.133	0.4	2
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcuim	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**7.67**	**9.68**	**9.86**	**7.34**	**7.20**	**8.92**	**6.92**	**6.63**	0.15	0.3
Lead	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	----	----	----	----	----	----	----	----
Manganese	**1.14**	**1.16**	**1.14**	**0.804**	**0.768**	**0.968**	**0.803**	**0.731**	0.060	0.300
Mercury	<0.000084	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	----	----	----	----	----	----	----	----
Sodium	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Natural Attenuation Parameters, mg/L										
Chloride	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	----	230	----	167	----	----	191	187	----	----
Total Organic Carbon	1.5	1.9	1.6	3.0	----	1.8	1.8	1.9	----	----
pH	7.09	----	7.11	6.74	6.74	7.00	6.66	6.66	----	----
Conductivity (mS/cm)	0.442	0.330	0.357	0.359	0.359	0.427	0.365	0.365	----	----
Temperature (C)	11.42	11.18	12.89	4.40	4.40	14.23	8.53	8.53	----	----
ORP (mV)	-130.1	-78.1	-236.9	-110	-110	-168.2	11.5	11.5	----	----
Dissolved Oxygen (mg/L)	1.83	0.66	0.65	2.06	2.06	0.32	0.93	0.93	----	----

Note: Please see notes provided at the end of this table.

Table 1
17M
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/15/2013	4/28/2014	10/13/2015	4/25/2016	4/18/2017	4/25/2018	4/24/2019	7/27/2020	4/30/2021	4/26/2022	PAL	ES
1,2,4-Trimethylbenzene	<0.22	<0.57	<0.50	----	----	<0.50	----	----	----	----	<0.45	96	480
sec-Butylbenzene	<0.19	----	<2.2	----	----	<2.2	----	----	----	----	<0.42	-----	-----
tert-Butylbenzene	<0.24	----	4.3	----	----	<0.18	----	----	----	----	<0.59	-----	-----
Isopropylbenzene	<0.21	----	5.5	----	----	<0.14	----	----	----	----	<1.0	-----	-----
n-Propylbenzene	<0.19	----	<0.50	----	----	<0.50	----	----	----	----	<0.35	-----	-----
Metals, mg/L													
Arsenic	0.0033	**0.0143**	**0.0147**	**0.0104**	**0.0117**	**0.0131J**	**.0143J**	**0.0159J**	**0.0158J**	0.0095J	**0.0107 J**	0.001	0.01
Barium	0.35	0.694	0.905	0.608	0.637	0.634	0.779	0.607	0.506	0.493	0.528	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	49.1	55.8	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.00013	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	0.11	**5.58**	**6.68**	**5.48**	**4.46**	**4.92**	**6.46**	**5.29**	**4.72**	**5.34**	**5.27**	0.15	0.3
Lead	0.00022	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	21.8	24.6	----	----	----	----	----	----	----	----	----	----
Manganese	0.22	**1.39**	**1.97**	**1.06**	**1.14**	**0.993**	**1.110**	**0.875**	**0.765**	**0.745**	**0.791**	0.060	0.300
Mercury	<0.000070	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	2.1	2.25	----	----	----	----	----	----	----	----	----	----
Sodium	----	4.44	4.63	----	----	----	----	----	----	----	----	----	----
Vanadium	0.00055	0.0013	<0.0020	0.0023	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Natural Attenuation Parameters, mg/L													
Chloride	12	9.2	6.5	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	---	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	2.2	2.2	----	----	----	----	----	----	----	----		250
Total Alkalinity	150	187	261	200	184	184	211	179	161	151	165	----	----
Total Organic Carbon	----	-----	----	----	----	----	2.2	3.6	4.5	5.7	4.4	----	----
pH	8.10	7.31	7.71	7.63	7.88	7.73	7.41	7.69	----	7.41	7.08	----	----
Conductivity (mS/cm)	250	0.296	0.390	0.326	0.290	0.304	0.407	0.287	0.239	0.339	0.322	----	----
Temperature (C)	9.1	10.76	10.35	9.61	10.66	10.16	10.48	10.17	10.23	6.22	10.47	----	----
ORP (mV)	25.6	-182.2	-193.7	-166.8	-183.5	-194.7	-172.8	-217.5	-31.9	-195.8	-15.6	----	----
Dissolved Oxygen (mg/L)	3.0	0.48	1.78	0.63	0.20	0.93	0.10	0.16	0.61	1.00	2.45	----	----

Note: Please see notes provided at the end of this table.

Table 1
PZ-1
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/17/2013	4/28/2014	10/14/2015	4/27/2016	4/21/2017	4/25/2018	4/24/2019	7/30/2020	4/29/2021	4/27/2022	PAL	ES
tert-Butylbenzene	0.52	----	----	----	----	<0.18	----	----	----	----	<0.59	---	---
Metals, mg/L													
Arsenic	0.0010	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	0.0084J	<0.0054	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.013	0.0714	0.0891	0.106	0.101	0.0898	0.128	0.0948	0.083	0.0731	0.106	0.4	2
Cadmium	0.00043	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	48.6	45.3	----	----	----	----	----	----	----	----	---	---
Cobalt	0.00021	0.002	0.0018	0.0012	0.0015	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	0.067	<0.0140	<0.0129	<0.0129	<0.0129	<0.034	<0.0155	<0.0354	<0.0352	<0.0567	<0.0567	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	0.0031	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	19.6	18.2	----	----	----	----	----	----	----	----	---	---
Manganese	0.110	**3.72**	**3.19**	**2.61**	**1.77**	**1.5**	**2.17**	**1.56**	**1.36**	**1.19**	**1.60**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	7.97	5.80	----	----	----	----	----	----	----	----	---	---
Sodium	----	14.1	6.45	----	----	----	----	----	----	----	----	---	---
Vanadium	0.00062	0.0053	<0.0040	0.0083	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L													
Ethane	----	----	----	----	----	----	----	----	----	----	----	---	---
Ethene	----	----	----	----	----	----	----	----	----	----	----	---	---
Methane	----	----	----	----	----	----	----	----	----	----	----	---	---
Natural Attenuation Parameters, mg/L													
Chloride	5.7	7.9	8.9	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	6.8	7.0	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	200	200	211	221	173	165	237	172	150	154	192	---	---
Total Organic Carbon		----	----	----	----	----	1.8	2.0	2.2	2.4	1.8	---	---
pH	8.16	7.98	7.71	7.89	8.20	8.02	7.65	7.92	7.11	7.74	7.41	---	---
Conductivity (mS/cm)	330	0.295	0.305	0.336	0.292	0.286	0.431	0.263	0.222	0.328	0.374	---	---
Temperature (C)	8.8	9.36	8.57	9.47	9.60	9.68	9.75	9.00	9.17	5.26	9.65	---	---
ORP (mV)	-15.5	48.6	33.7	-33.2	-48.2	228.2	-32.6	-98.3	7.0	-60.6	39.5	---	---
Dissolved Oxygen (mg/L)	2.5	4.9	7.04	0.74	0.19	0.66	0.17	0.32	0.10	1.25	1.27	---	---

Note: Please see notes provided at the end of this table.

Table 1
PZ-2
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic	4/19/2012	5/28/2013	4/28/2014	10/14/2015	4/27/2016	4/21/2017	4/25/2018	4/23/2019	7/30/2020	4/29/2021	4/27/2022	PAL	ES
Metals, mg/L													
Arsenic	0.0021	<0.0044	<0.0072	<0.0072	0.0086	<0.0083	0.0089J	**0.0201J**	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.047	0.0432	0.0359	0.117	0.089	0.0691	0.0778	0.11	0.100	0.085	0.091	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	34.1	32.1	----	----	----	----	----	----	----	----	----	----
Cobalt	0.011	0.0036	0.0036	<0.00094	0.00097	0.0021J	0.0022J	<0.0014	0.0016J	0.0020J	0.0021 J	0.008	0.04
Iron	**6.6**	**1.97**	**1.47**	**25.6**	**23.4**	**21.2**	**27.8**	**22.4**	**24.4**	**36.1**	**20.9**	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	18.2	17.8	----	----	----	----	----	----	----	----	----	----
Manganese	**1.8**	**1.08**	**0.388**	**2.86**	**2.16**	**3.08**	**3.19**	**2.56**	**3.10**	**4.16**	**3.12**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	0.175	0.24	----	----	----	----	----	----	----	----	----	----
Sodium	----	3.98	4.12	----	----	----	----	----	----	----	----	----	----
Vanadium	0.0049	<0.0012	<0.0020	0.0098	<0.0020	<0.0022	<0.0022	0.0029J	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L													
Ethane	---	-----	----	----	----	----	----	----	----	----	----	----	----
Ethene	---	-----	----	----	----	----	----	----	----	----	----	----	----
Methane	---	-----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation													
Chloride	8.9	5.6	8.9	----	----	----	----	----	----	----	----	125	250
Nitrate as N	---	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	---	8.1	8.3	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	170	159	148	193	183	194	197	166	161	227	183	----	----
Total Organic Carbon	---	----	----	----	----	----	7.1	6.1	7.7	9.3	6.5	----	----
pH	8.26	----	6.94	6.77	7.21	6.81	6.39	6.81	6.51	6.65	6.30	----	----
Conductivity (mS/cm)	300	----	0.229	0.372	0.317	0.319	0.403	0.264	0.276	0.536	0.414	----	----
Temperature (C)	8.3	----	7.26	9.83	8.52	7.95	7.58	7.67	9.69	4.22	8.43	----	----
ORP (mV)	-10.9	----	26.6	-92.1	-101.4	-76.9	-77.4	-132.2	5.9	-148.0	12.5	----	----
Dissolved Oxygen (mg/L)	2.5	----	8.41	0.70	0.66	1.72	1.17	1.05	0.36	2.17	1.48	----	----

Note: Please see notes provided at the end of this table.

Table 1
PZ-3
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/16/2013	10/29/2013	4/29/2014	10/28/2014	10/14/2015	4/26/2016	10/3/2016	4/20/2017	4/23/2018	4/23/2019	7/29/2020	4/27/2021	4/26/2022	PAL	ES
1,2,4-Trimethylbenzene	240	<0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----	----	<0.45	96	480
Acetone	----	<2.6	<2.6	<3.0	<3.0	4.8	<3.0	<3.0	----	----	----	----	----	<8.6	1800	9000
sec-Butylbenzene	9.8	----	<0.60	<2.2	6.5	2.4	<2.2	<2.2	----	----	----	----	----	11.7	-----	-----
tert-Butylbenzene	<0.24	----	1.1	7.7	13.0	3.4	2.3	3.5	----	----	----	----	----	9.4	-----	-----
cis-1,2-Dichloroethene	<0.22	<0.42	<0.42	<0.26	0.35	<0.26	<0.26	<0.26	----	----	----	----	----	<0.47	7	70
Isopropylbenzene	4.5	---	<0.34	<0.12	0.66	<0.14	<0.14	<0.14	----	----	----	----	----	<1.0	-----	-----
n-Propylbenzene	1.2	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	----	----	----	<0.35	-----	-----
Metals, mg/L																
Arsenic	0.0022	<0.0044	<0.0044	<0.0072	<0.0072	<0.0072	<0.0072	0.0094	<0.0054	0.0057J	**0.014J**	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.130	0.176	0.179	0.144	0.148	0.126	0.109	0.122	0.113	0.12	0.124	0.135	0.141	0.143	0.4	2
Cadmium	<0.00010	<0.00038	<0.00038	<0.00060	<0.00060	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	84.3	----	63.9	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	0.0023	0.0025	0.0026	0.0023	0.0027	0.0029	0.0026	0.0013	0.0018J	0.0018J	0.0018J	0.0016J	<0.0014	0.0018 J	0.008	0.04
Iron	**2.3**	**0.315**	**1.32**	0.298	**0.676**	**0.724**	**0.47**	**0.564**	**0.435**	**0.485**	0.22	**0.358**	**0.357**	**0.354**	0.15	0.3
Lead	<0.00016	<0.0012	<0.0012	<0.0030	<0.0030	0.0051	<0.0030	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	33.2	----	24.4	----	----	----	----	----	----	----	----	----	----	----	----
Manganese	**6.4**	**5.54**	**6.98**	**4.34**	**5.6**	**5.16**	**4.6**	**4.39**	**4.6**	**4.8**	**3.88**	**4.55**	**4.30**	**4.86**	0.060	0.300
Mercury	<0.000070	<0.0001	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00013	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	2.91	----	2.10	----	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	11.6	----	9.54	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	0.00083	0.006	0.003	<0.0040	<0.0020	0.0141	<0.0020	<0.0020	<0.0022	<0.0022	0.0027J	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L																
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L																
Chloride	9.6	15.8	----	20.9	----	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	2.4	----	<2.0	----	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	240	299	----	274	----	219	203	202	200	189	234	222	232	253	----	----
Total Organic Carbon	----	----	----	----	----	----	----	----	----	2.2	1.9	2.5	2.0	1.8	----	----
pH	8.20	7.12	6.89	7.07	6.74	6.95	7.30	6.61	7.09	6.81	7.20	6.80	7.36	6.70	----	----
Conductivity (mS/cm)	370	0.451	0.470	0.438	0.417	0.332	0.285	0.292	0.297	0.352	0.288	0.299	0.374	0.420	----	----
Temperature (C)	11.8	10.45	11.49	10.23	10.72	9.85	9.67	10.52	9.57	9.87	9.63	9.45	9.3	9.93	----	----
ORP (mV)	181.6	-14.9	55.8	-39.4	25.0	-12.7	-27.3	8.2	-17.9	-21.3	-146.7	19.8	-30.4	21.6	----	----
Dissolved Oxygen (mg/L)	5.0	0.4	2.19	0.70	0.20	0.40	0.20	0.05	0.61	0.41	0.41	0.04	1.30	0.18	----	----

Note: Please see notes provided at the end of this table.

Table 1
PZ-4
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/16/2013	4/29/2014	10/14/2015	4/26/2016	4/20/2017	4/24/2018	4/23/2019	7/30/2020	4/27/2021	4/26/2022	PAL	ES
tert-Butylbenzene	4.1	---	---	---	---	5.9	---	---	---		5.6	-----	-----
cis-1,2-Dichloroethene	<0.22	---	---	---	---	0.39J	---	---	---		<0.47	7	70
Isopropylbenzene						0.34J	---	---	---		<1.0	---	---
sec-Butylbenzene						6.0	---	---	---	---	0.48 J	---	---
Metals, mg/L													
Arsenic	0.00055	<0.0044	<0.0072	<0.0072	<0.0072	0.0060J	<0.0054	**0.0113J**	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.160	0.209	0.165	0.167	0.208	0.264	0.28	0.278	0.231	0.273	0.299	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	---	62.7	52.2	----	----	----	----	----	----	----	----	---	---
Cobalt	0.0014	0.0021	0.0015	0.0021	0.0029	0.0032J	0.0027J	0.0034J	0.0023J	0.0028J	0.0035 J	0.008	0.04
Iron	0.040	0.0261	0.0219	0.0151	0.0273	0.0314J	.0356J	<0.0354	<0.0352	0.0597J	<0.0567	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	0.0031	<0.0030	<0.0043	<0.0043	<0.0064	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	---	27.8	22.0	----	----	----	----	----	----	----	----	---	---
Manganese	**2.2**	**2.69**	**2.17**	**2.64**	**3.04**	**3.08**	**3.22**	**3.68**	**3.24**	**3.84**	**3.74**	0.060	0.300
Mercury	<0.00070	<0.00010	<0.00010	<0.00010	<0.00018	<0.0013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	---	1.6	1.28	----	----	----	----	----	----	----	----	---	---
Sodium	---	10.4	9.05	----	----	----	----	----	----	----	----	---	---
Vanadium	<0.00034	0.0027	<0.0020	0.0084	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L													
Ethane	---	---	----	----	----	----	----	----	----	----	----	---	---
Ethene	---	---	----	----	----	----	----	----	----	----	----	---	---
Methane	---	---	----	----	----	----	----	----	----	----	----	---	---
Natural Attenuation Parameters, mg/L													
Chloride	13	16.2	14.5	----	----	----	----	----	----	----	----	125	250
Nitrate as N	---	---	----	----	----	----	----	----	----	----	----	2	10
Sulfate	---	2.2	2.5	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	240	238	238	229	260	287	278	309	255	295	296	---	---
Total Organic Carbon	---	----	----	----	----	---	2.8	2.9	3.4	2.9	3.3	---	---
pH	7.38	7.43	9.16	7.24	7.37	7.15	6.96	7.18	6.34	7.01	6.72	---	---
Conductivity (mS/cm)	380	0.36	0.374	0.364	0.402	0.441	0.514	0.409	0.333	0.530	0.566	---	---
Temperature (C)	11.8	9.73	9.39	10.48	9.55	9.48	9.8	9.04	9.19	9.27	9.78	---	---
ORP (mV)	-13.8	-3.4	-558.7	-6.5	15.7	25.7	27.9	-61.5	15.4	34.6	20.6	---	---
Dissolved Oxygen (mg/L)	2.9	0.45	0.70	0.38	0.24	0.86	0.29	0.31	0.13	1.51	0.21	---	---

Note: Please see notes provided at the end of this table.

Table 1
PZ-5
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/17/2013	4/29/2014	10/14/2015	4/27/2016	4/20/2017	1/9/2018	1/9/2018 Duplicate	4/23/2018	10/24/2018	4/25/2019	10/16/2019	7/27/2020	11/4/2020	4/26/2021	10/19/2021	4/25/2022	PAL	ES
1,2,4-Trimethylbenzene	8.2	---	---	---	---	**673**	240	339	334	154	148	214	236	**535**	79.8	93.4	18.0	96	480
1,3,5-Trimethylbenzene	4.7	---	---	---	---	**<5**	16.4	36.9	<1.0	<0.87	<0.87	<0.87	<1.7	**<1.7**	<0.36	<0.71	<0.36	96	480
n-Butylbenzene							7.2	8.7	5.7	1.5J	2.3J	4.0	3.7J	5.5	1.4	<1.7	<0.86	-----	-----
Acetone	---	---	---	---	---	<29.5	<5.9	<14.8	<5.9	<2.7	7.3J	6.4J	<5.5	<5.5	<8.6	<17.3	<8.6	1800	9000
sec-Butylbenzene	2.2	---	---	---	---	<21.9	16.9	19.2J	16.7	6.5	8.2	13.6	10.9	16.5	4.8	4.7	3.3	-----	-----
Isopropylbenzene		---	---	---	---	5.1J	2.1	2.9J	2.9	1.3J	1.8J	2.7J	<3.4	3.8J	1.1J	<2.0	<1.0	---	---
Methylene chloride	<0.63	---	---	---	---	<2.3	<0.47	<1.2	<0.47	1.4J	<0.58	<0.58	<1.2	<1.2	<0.32	<0.64	<0.32	0.5	5
n-Proplybenzene		---	---	---	---	11.6	4.3	6.5	5.5	2.4J	2.7J	4.1J	4.5J	6.3J	1.2	1.8 J	0.56 J	---	---
p-Isoproplytoluene		---	---	---	---	13.5	12.1	14.3	14.3	5.1	6.5	14.1	9.9	18.3	2.2J	4.4 J	1.5 J	---	---
tert-Butylbenzene		---	---	---	---	2.1J	3.2	5.0	3.9	1.6	1.3	2.7	2.5	4.3	0.95J	1.2 J	0.72 J	---	---
Metals, mg/L																			
Arsenic	0.0057	0.0056	<0.0072	<0.0072	<0.0072	0.0073J	**0.0109J**	<0.0054	0.0063J	<0.0054	**0.0152J**	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.110	0.134	0.0944	0.168	0.132	0.155	0.155	0.157	0.143	0.139	0.121	0.124	0.142	0.167	0.117	0.160	0.130	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	---	51.4	37.9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	0.0017	0.0013	0.001	0.0016	0.0014	0.0018J	0.0016	0.0026J	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**4.1**	**4.7**	**3.09**	**6.55**	**6.26**	**7.7**	**6.71**	**6.71**	**6.54**	**5.98**	**5.22**	**5.06**	**6.03**	**6.68**	**4.54**	**5.59**	**4.92**	0.15	0.3
Lead	<0.00016	<0.0012	0.0034	<0.0030	<0.0030	<0.0043	<0.0043	<0.0043	<0.0043	<0.0064	<0.0064	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	---	20.3	14.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Manganese	**2.5**	**2.3**	**1.42**	**1.91**	**1.19**	**1.13**	**1.26**	**1.28**	**1.23**	**0.921**	**0.709**	**0.626**	**0.812**	**1.05**	**0.908**	**0.889**	**0.735**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	<0.00013	<0.000084	<0.000084	<0.000084	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	---	0.725	0.502	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Sodium	---	1.9	1.38	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	0.00061	0.0032	<0.0020	0.0059	<0.0020	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	0.0025J	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L																			
Ethane	----	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L																			
Chloride	1.0	3.2	2.9	----	----	----		----	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	4.7	3.7	----	----	----		----	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	180	182	165	223	186	206	189	201	188	----	170	----	195	----	184	----		----	----
Total Organic Carbon	----	----	----	----	----	----	1.1	1.2	1.3	1.2	1.2	1.1	1.1	1.8	0.98	1.1		----	----
pH	8.43	6.69	7.23	7.16	7.52	7.12	6.95	6.95	6.88	6.97	7.20	7.15	----	7.21	7.22	7.21	12.23	----	----
Conductivity (mS/cm)	310	0.265	0.234	0.340	0.257	0.278	0.233	0.233	0.351	0.383	0.240	0.457	0.259	0.326	0.313	0.338	0.358	----	----
Temperature (C)	9.1	9.59	8.49	10.16	9.13	8.91	11.03	11.03	9.08	10.3	8.05	9.19	9.61	10.92	8.85	11.36	9.15	----	----
ORP (mV)	22.7	-40.6	-93.8	-94.9	-95.4	-73.8	-71.0	-71.0	-80.3	-92.8	-107.0	-98.7	8.4	-256.0	-100.9	-136.3	3.4	----	----
Dissolved Oxygen (mg/L)	4.8	5.22	4.49	1.43	2.24	4.24	0.46	0.46	2.18	3.31	3.99	3.76	2.13	0.42	4.70	0.17	0.72	----	----

Note: Please see notes provided at the end of this table.

Table 1
PZ-6
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	1/8/2018	4/23/2018	10/24/2018	4/25/2019	4/25/2019 Duplicate	10/16/2019	7/27/2020	11/4/2020	4/26/2021	10/19/2021	4/25/2022	PAL	ES
Acetone	<3.0	<3.0	2.8J	3.8J	<2.7	9.9J	<2.7	<2.7	<8.6	<0.45	<0.45	1800	9000
Benzene	<0.50	1.5	<0.25	<0.25	<0.25	<0.25	<.25	<.25	<0.30	<0.36	<0.36	0.5	5
sec-Butylbenzene	<2.2	27.9	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.42	<0.42	<0.42	-----	-----
tert-Butylbenzene	<0.18	25.5	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.59	<0.59	<0.59	-----	-----
Chlorobenzene	<0.50	0.96J	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.86	<0.86	<0.86	-----	-----
Methylene chloride	<0.23	<0.23	0.96J	<0.58	<0.58	<0.58	<0.58	<0.58	<0.32	<0.32	<0.32	0.5	5
Naphthalene	<2.5	57.3	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1	10	100
Isopropylbenzene	<0.14	101	<0.39	<0.39	<0.39	<0.39	<1.7	<1.7	<1.0	<1.0	<1.0	-----	-----
n-Butylbenzene	<0.50	11.5	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.86	<0.86	<0.86	-----	-----
n-Propylbenzene	<0.50	150	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.35	<0.35	<0.35	-----	-----
p-Isopropyltoluene	<0.50	0.58J	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<1.0	<1.0	<1.0	-----	-----
Metals, mg/L													
Arsenic	<0.0054	<0.0054	<0.0054	**0.0139J**	<0.0054	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.0262	0.0237	0.0215	0.021	0.0216	0.0218	0.0238	0.0229	0.0206	0.0253	0.0224	0.4	2
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.0155	<0.0155	<0.0354	<0.0354	<0.0354	<0.0352	<0.0352	<0.0567	<0.0567	<0.0567	<0.0567	0.15	0.3
Lead	0.0074	<0.0043	<0.0064	<0.0064	<0.0064	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	----	----	----	----	----	----	----	----	----	----	----
Manganese	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	0.060	0.300
Mercury	<0.00013	<0.00013	<0.000084	<0.000084	<0.000084	<0.000084	<0.000066	<0.000066	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.0022	<0.0022	<0.0022	0.0023J	0.003J	<0.0026	<0.0026	0.0026J	<0.0026	<0.0026	<0.0026	0.006	0.03
Dissolved Gases, ug/L													
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L													
Chloride	----	----	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	221	205	----	198	193	----	218	----	218	----	239	----	----
Total Organic Carbon	0.7	0.88	0.83J	0.90	1.1	----	0.93	0.88	0.88	0.76	1.2	----	----

Table 1
PW1
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/18/2012	5/15/2013	4/29/2014	10/16/2015	5/16/2016	10/5/2016	4/21/2017	4/24/2018	4/23/2019	7/30/2020	4/29/2021	4/26/2022	PAL	ES
Metals, mg/L														
Arsenic	<0.00015	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.020	0.0228	0.0173	0.021	0.0207	0.0125	0.0218	0.0248	0.0203	0.0212	<0.0015	0.0220	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	69.9	60.7	----	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.00013	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**3.5**	**4.38**	**3.42**	**4.53**	**4.15**	<0.034	**5.87**	**10.4**	**5.44**	**3.56**	<0.0567	**5.73**	0.15	0.3
Lead	0.0027	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0043	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	18.4	16.5	----	----	----	----	----	----	----	----	----	----	----
Manganese	0.120	0.129	0.143	0.127	0.118	0.0054	0.158	0.133	0.145	0.112	<0.0015	0.172	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00013	<0.00013	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	2.77	2.4	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	7.78	6.5	----	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	<0.0012	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	0.0027J	<0.0026	<0.0026	<0.0026	0.006	0.03

Note: Please see notes provided at the end of this table.

Table 1
PW2
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/19/2012	5/15/2013	4/29/2014	10/16/2015	12/2/2015	4/27/2016	10/4/2016	4/21/2017	4/25/2018	4/23/2019	7/31/2020	4/28/2021	4/27/2022	PAL	ES
Acetone	----	<2.6	<3.0	<3.0	----	<3.0	<3.0	<3.0	<3.0	2.9J	<2.7	<8.6	<8.6	1800	9000
Chloromethane	<0.24	<0.39	<0.50	<0.50	----	<0.50	<0.50	<0.50	<0.50	4.3J	<2.2	<1.6	<1.6	3	30
Metals, mg/L															
Arsenic	0.00066	<0.0044	<0.0072	<0.0072	<0.0072	<0.0072	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.091	0.153	0.118	0.124	0.133	0.140	0.131	0.126	0.117	0.094	0.087	0.126	0.125	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	60	50.1	----	----	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.00013	<0.00085	<0.00094	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	0.089	<0.0140	<0.0129	<0.0129	<0.0129	<0.0129	<0.034	0.0611J	0.177	0.117J	0.0755J	0.186	0.213	0.15	0.3
Lead	0.0037	<0.0012	<0.0030	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0043	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	16.8	14.5	----	----	----	----	----	----	----	----	----	----	----	----
Manganese	0.190	0.209	0.158	**0.394**	0.131	0.109	**0.369**	0.132	0.172	0.0504	0.0508	**0.614**	**0.665**	0.060	0.300
Mercury	<0.00070	<0.00010	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	4.11	3.21	----	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	7.59	5.61	----	----	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.00034	<0.0012	<0.0020	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	<0.0026	0.006	0.03
Natural Attenuation Parameters, mg/L															
pH	----	7.73	----	----	----	----	----	----	----	----	----	----	----	----	----
Conductivity (mS/cm)	----	0.295	----	----	----	----	----	----	----	----	----	----	----	----	----
Temperature (C)	----	7.02	----	----	----	----	----	----	----	----	----	----	----	----	----
ORP (mV)	----	72.7	----	----	----	----	----	----	----	----	----	----	----	----	----
Dissolved Oxygen (mg/L)	----	2.84	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloride	----	11.1	11.4	----	----	----	----	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	11.9	8.6	----	----	----	----	----	----	----	----	----	----	125	250
Total Alkalinity	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Total Organic Carbon	----	-----	----	----	----	----	----	----	----	----	----	----	----	----	----

Note: Please see notes provided at the end of this table.

Table 1
PW3
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	7/16/2013	4/29/2014	10/16/2015	4/27/2016	10/3/2016	4/21/2017	4/24/2019	4/28/2021	4/27/2022	PAL	ES
Acetone	<2.6	<3.0	<3.0	<3.0	<3.0	<3.0	2.9J	<8.6	<8.6	1800	9000
Toluene	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	<0.17	<0.29	<0.29	160	800
Metals, mg/L											
Arsenic	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.0331	0.0259	0.0284	0.0189	0.028	0.0348	0.0252	<0.0015	<0.0015	0.4	2
Cadmium	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	65.4	----	----	----	----	----	----	----	----	----
Cobalt	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**6.72**	**4.25**	**4**	**1.46**	**10.8**	**5.4**	**11.3**	0.0898J	<0.0567	0.15	0.3
Lead	0.0026	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	16.2	----	----	----	----	----	----	----	----	----
Manganese	0.143	0.109	0.112	0.152	0.150	0.119	0.169	<0.0015	<0.0015	0.060	0.300
Mercury	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	0.0002	0.002
Potassium	----	2.49	----	----	----	----	----	----	----	----	----
Sodium	----	3.79	----	----	----	----	----	----	----	----	----
Vanadium	<0.0012	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	<0.0026	<0.0026	<0.0026	0.006	0.03

Note: Please see notes provided at the end of this table.

Table 1
PW4
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	7/16/2013	4/29/2014	10/16/2015	4/27/2016	10/3/2016	4/21/2017	4/25/2018	4/23/2019	7/31/2020	4/28/2021	4/28/2022	PAL	ES
Acetone	<2.6	<0.30	<3.0	<3.0	<3.0	4.1J	<3.0	3.4J	<2.7	<8.6	<8.6	1800	9000
Toluene	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.17	<0.27	<0.29	<0.29	160	800
Metals, mg/L													
Arsenic	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.0250	0.0189	0.0209	0.0166	0.0226	0.0206	0.02	0.0199	0.0199	<0.0015	0.023	0.4	2
Cadmium	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	62.5	----	----	----	----	----	----	----	----	----	----	----
Cobalt	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**6.6**	**5.49**	**4.82**	**1.43**	**4.57**	**4.12**	**7.58**	**6.83**	**2.92**	<0.0567	**4.65**	0.15	0.3
Lead	<0.0012	<0.0030	0.0033	0.0042	<0.0043	<0.0043	<0.0043	<0.0059	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	16.3	----	----	----	----	----	----	----	----	----	----	----
Manganese	0.120	0.100	0.101	0.106	0.094	0.096	0.119	0.114	0.088	<0.0015	0.109	0.060	0.300
Mercury	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	<0.000084	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	2.28	----	----	----	----	----	----	----	----	----	----	----
Sodium	----	5.86	----	----	----	----	----	----	----	----	----	----	----
Vanadium	<0.0012	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	0.0027J	<0.0026	<0.0026	<0.0026	0.006	0.03

Note: Please see notes provided at the end of this table.

Table 1
PW5
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/23/2019	5/14/2019	7/30/2020	4/28/2021	4/27/2022	PAL	ES
Acetone	<2.7		3.2J	<8.6	<8.6	1800	9000
Carbon disulfide	2.9J	----	<0.45	<1.1	<1.1	200	1000
Metals, mg/L							
Arsenic	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.0282	----	0.0279	0.0266	0.0305	0.4	2
Cadmium	<0.0013	----	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----	----	----
Cobalt	<0.0014	----	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**0.799**	----	**0.954**	**0.786**	**1.01**	0.15	0.3
Lead	<0.0059	----	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	----	----	----	----	----
Manganese	**0.368**	**0.398**	**0.310**	0.279	**0.308**	0.060	0.300
Mercury	<0.000084	----	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	----	----	----	----	----
Sodium	----	----	----	----	----	----	----
Vanadium	<0.0026	----	<0.0026	<0.0026	<0.0026	0.006	0.03
Natural Attenuation Parameters, mg/L							
pH	----	----	----	----	----	----	----
Conductivity (mS/cm)	----	----	----	----	----	----	----
Temperature (C)	----	----	----	----	----	----	----
ORP (mV)	----	----	----	----	----	----	----
Dissolved Oxygen (mg/L)	----	----	----	----	----	----	----

Note: Please see notes provided at the end of this table.

Table 1
PW6
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/23/2019	5/14/2019	7/30/2020	4/28/2021	4/27/2022	PAL	ES
Acetone	3.9J	----	<2.7	<8.6	<8.6	1800	9000
Metals, mg/L							
Arsenic	**.0147J**	<0.0083	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.0423	----	0.0512	0.0445	0.0474	0.4	2
Cadmium	<0.0013	----	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----	----	----
Cobalt	<0.0014	----	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.0739	----	<0.0352	**1.39**	<0.0567	0.15	0.3
Lead	<0.0059	----	<0.0059	<0.0059	<0.0059	0.0015	0.015
Magnesium	----	----	----	----	----	----	----
Manganese	0.224	**0.407**	0.186	0.0864	0.260	0.060	0.300
Mercury	<0.000084	----	<0.000066	<0.000066	<0.000066	0.0002	0.002
Potassium	----	----	----	----	----	----	----
Sodium	----	----	----	----	----	----	----
Vanadium	0.0028J	----	<0.0026	<0.0026	<0.0026	0.006	0.03
Natural Attenuation Parameters, mg/L							
pH	----	----	----	----	----	----	----
Conductivity (mS/cm)	----	----	----	----	----	----	----
Temperature (C)	----	----	----	----	----	----	----
ORP (mV)	----	----	----	----	----	----	----
Dissolved Oxygen (mg/L)	----	----	----	----	----	----	----

Note: Please see notes provided at the end of this table.

Table 1
Notes
Summary of Detected Compounds
Onalaska Superfund Landfill
The OS Group, LLC

For the volatile organic compound (VOC) only; the compounds reported are the only VOC that have been detected during the sampling event dates shown.

Yellow highlighted cells indicate the compound exceeds the WDNR preventive action limit (PAL).

Yellow highlighted cell and bold number indicates the compound exceeds the WDNR PAL and enforcement standard (ES).

The ES and PAL criteria for trimethylbenzene (TMB) is the sum of 1,2,4-TMB and 1,3,5-TMB.

< indicates the compound was not detected at or above the method detection limit.

--- indicates that there is no available criteria associated with the specified compound or the compound was not analyzed.

Residential wells are sampled for VOC and metals only.

Created by (beginning with 4/9/08 results):	TLR	Date:	5/6/2008
Last revision by:	SJO	Date:	8/2/2022
Checked by:	SJO	Date:	8/2/2022

https://netorg76955-my.sharepoint.com/personal/john_storlie_theosgrp_com/Documents/CES-Projects/OnalaskaLandfill/[Table_1_Analytical_0422.xlsx]Notes

Table 2. Water Table Elevations - October 19, 2021
Onalaska Superfund Landfill

Well Number	Date	Elevation Top of Casing[1]	Depth to Groundwater	Elevation of Groundwater
Anderson Well	NM	NM	NM	NM
AW-1	NM	NM	NM	NM
AW-9	NM	NM	NM	NM
AW-13	NM	658.85	NM	NM
AW-20	NM	NM	NM	NM
AW-25	NM	NM	NM	NM
AW-28	NM	660.91	NM	NM
EW-1	NM	NM	NM	NM
EW-2	NM	NM	NM	NM
EW-3	NM	NM	NM	NM
EW-4	NM	NM	NM	NM
EW-5	NM	NM	NM	NM
Taylor Well	NM	NM	NM	NM
Marshall Well	NM	NM	NM	NM
MW-1SR	10/19/2021	660.54	16.63	643.91
MW-2D	10/19/2021	673.90	DRY	NA
MW-2M	10/19/2021	673.64	29.69	643.95
MW-2S	10/19/2021	672.85	28.87	643.98
MW-4S	10/19/2021	665.84	22.07	643.77
MW-5S	10/19/2021	661.11 [2]	17.34	643.77
MW-6M	10/19/2021	649.71	6.19	643.52
MW-6S	10/19/2021	647.86	4.38	643.48
MW-7M	10/19/2021	663.74	19.99	643.75
MW-8D	10/19/2021	660.60	16.93	643.67
MW-8M	10/19/2021	660.71	17.09	643.62
MW-8S	10/19/2021	660.74	17.10	643.64
MW-9M	10/19/2021	657.32	13.81	643.51
MW-10M	10/19/2021	657.74	14.28	643.46
MW-11M	10/19/2021	658.35	14.70	643.65
MW-12S	10/19/2021	664.22	20.54	643.68
MW-14S	10/19/2021	656.05	12.37	643.68
MW-15M	10/19/2021	656.98	13.43	643.55
MW-16S	10/19/2021	658.94	15.27	643.67
MW-16M	10/19/2021	659.22	15.57	643.65
MW-17S	10/19/2021	658.51	14.85	643.66
MW-17M	10/19/2021	658.76	15.01	643.75
Elvin Well	NM	NM	NM	NM
PZ-1	10/19/2021	656.40	12.76	643.64
PZ-2	10/19/2021	651.36	7.89	643.47
PZ-3	10/19/2021	648.96	5.20	643.76
PZ-4	10/19/2021	649.13	5.56	643.57
PZ-5	10/19/2021	661.98	18.22	643.76
PZ-6	10/19/2021	660.78	17.04	643.74
Lytle Rd. Hand Pump	NM	NM	NM	NM

Notes:

NM = Not Measured

1. Top of Casing elevation surveyed by Coulee Region Land Surveyors, Inc. on April 22, 2003. MW-1SR and Pretasky well were surveyed on April 13, 2004. MW-16S, MW-16M, MW-17S and MW-17M, and MW-5S were surveyed on March 23, 2006.
2. Top of Casing elevation re-surveyed by Braun Intertec on December 22, 2015.

By: S. Osesek
Date: 8/2/22

Table 2. Water Table Elevations - April 25, 2022
Onalaska Superfund Landfill

Well Number	Date	Elevation Top of Casing[1]	Depth to Groundwater	Elevation of Groundwater
Anderson Well	NM	NM	NM	NM
AW-1	NM	NM	NM	NM
AW-9	NM	NM	NM	NM
AW-13	NM	658.85	NM	NM
AW-20	NM	NM	NM	NM
AW-25	NM	NM	NM	NM
AW-28	NM	660.91	NM	NM
EW-1	NM	NM	NM	NM
EW-2	NM	NM	NM	NM
EW-3	NM	NM	NM	NM
EW-4	NM	NM	NM	NM
EW-5	NM	NM	NM	NM
Taylor Well	NM	NM	NM	NM
Marshall Well	NM	NM	NM	NM
MW-1SR	10/19/2021	660.54	14.39	646.15
MW-2D	10/19/2021	673.90	27.90	646.00
MW-2M	10/19/2021	673.64	27.71	645.93
MW-2S	10/19/2021	672.85	26.90	645.95
MW-4S	10/19/2021	665.84	20.31	645.53
MW-5S	10/19/2021	661.11 [2]	15.39	645.72
MW-6M	10/19/2021	649.71	4.42	645.29
MW-6S	10/19/2021	647.86	2.60	645.26
MW-7M	10/19/2021	663.74	18.36	645.38
MW-8D	10/19/2021	660.60	15.26	645.34
MW-8M	10/19/2021	660.71	15.40	645.31
MW-8S	10/19/2021	660.74	15.38	645.36
MW-9M	10/19/2021	657.32	12.36	644.96
MW-10M	10/19/2021	657.74	12.77	644.97
MW-11M	10/19/2021	658.35	13.30	645.05
MW-12S	10/19/2021	664.22	18.91	645.31
MW-14S	10/19/2021	656.05	10.29	645.76
MW-15M	10/19/2021	656.98	11.72	645.26
MW-16S	10/19/2021	658.94	13.42	645.52
MW-16M	10/19/2021	659.22	13.69	645.53
MW-17S	10/19/2021	658.51	12.88	645.63
MW-17M	10/19/2021	658.76	13.04	645.72
Elvin Well	NM	NM	NM	NM
PZ-1	10/19/2021	656.40	10.74	645.66
PZ-2	10/19/2021	651.36	5.95	645.41
PZ-3	10/19/2021	648.96	3.40	645.56
PZ-4	10/19/2021	649.13	3.86	645.27
PZ-5	10/19/2021	661.98	16.51	645.47
PZ-6	10/19/2021	660.78	15.41	645.37
Lytle Rd. Hand Pump	NM	NM	NM	NM

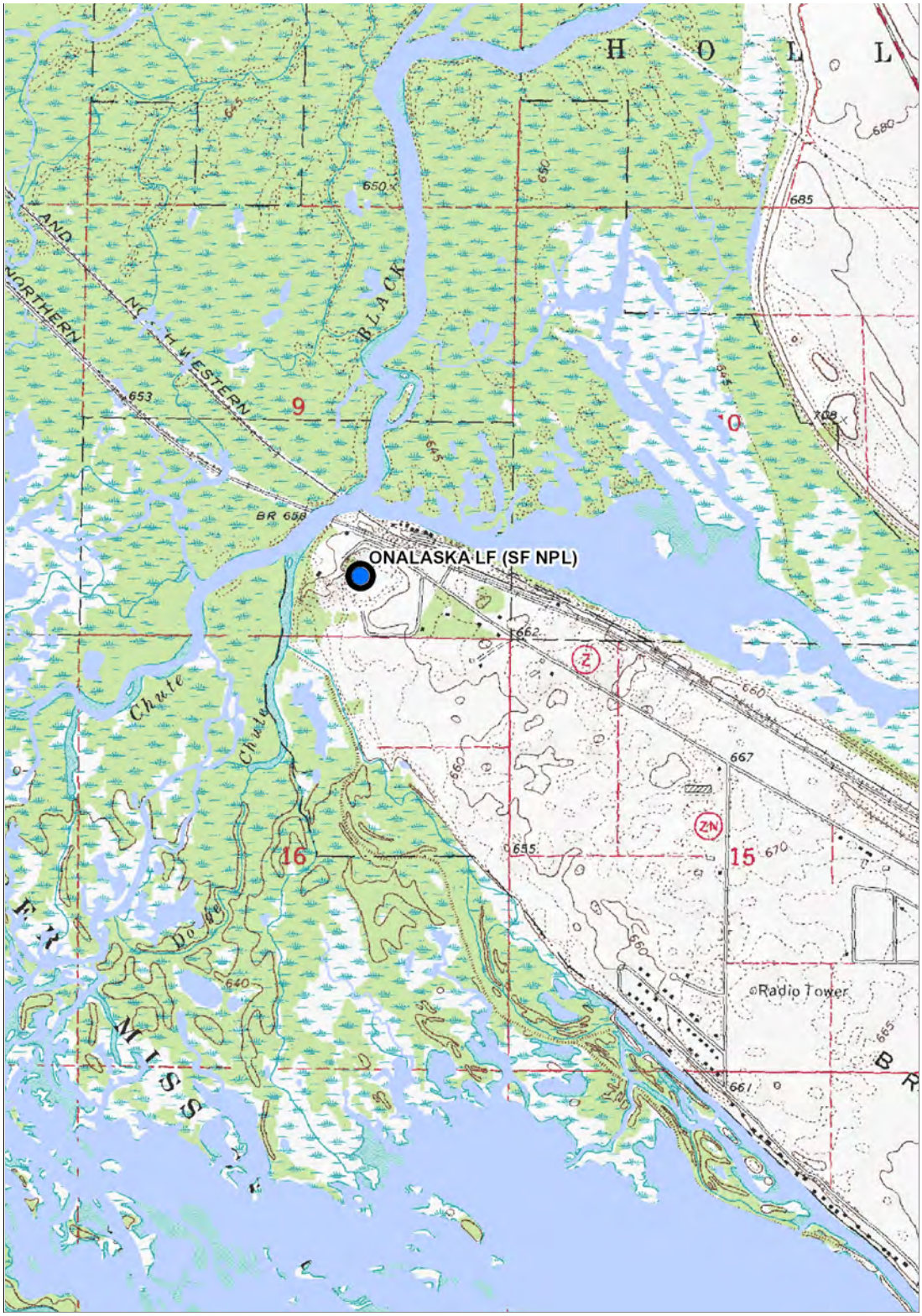
Notes:
NM = Not Measured

1. Top of Casing elevation surveyed by Coulee Region Land Surveyors, Inc. on April 22, 2003. MW-1SR and Pretasky well were surveyed on April 13, 2004. MW-16S, MW-16M, MW-17S and MW-17M, and MW-5S were surveyed on March 23, 2006.
2. Top of Casing elevation re-surveyed by Braun Intertec on December 22, 2015.

By: S. Osesek
Date: 8/2/22

FIGURES

Figure 1
Site Location Map



Legend

- Open Site
- Closed Site
- Continuing Obligations Apply
- Facility-wide Site
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
  - Interstate Highway
  - State Highway
  - US Highway
- County and Local Roads
  - County HWY
  - Local Road
- Railroads
- Tribal Lands

0.8 0 Distance / 2 0.8 Miles

1: 23,760

NAD_1983_HARN_Wisconsin_TM

Note: Not all sites are mapped.

Notes

ABANDONED MONITORING WELL
MONITORING WELL
PIEZOMETER
EXTRACTION WELL
AIR WELL
POTABLE WELL

APPROXIMATE SITE BOUNDARY
APPROXIMATE LIMIT OF DESIGNATED MANAGEMENT ZONE
BLACK RIVER SHORELINE
LYTLE ROAD
STATE BIKE TRAIL
B.N.S.F. RAILROAD
COUNTY ROAD "Z"
SPORTSMANS CLUB ROAD
CANOE LANDING
TREES
CROPLAND
PASTURE
PROCESS BUILDING
CONCRETE PIT
ASPHALT DRIVE
CLARIFIER

MW-1SR
MW-1S
MW-1M
PW-4
PW-3
MW-2S
MW-2M
MW-2D
MW-4S
EW-1
PZ-6
PZ-5
MW-12S
MW-7M
MW-11M
MW-9M
MW-8D
MW-8M
MW-8S
AW-28
EW-2
AW-25
MW-15M
PW-1
MW-10M
EW-3
AW-20
MW-16M
MW-5S
MW-16S
AW-1
EW-4
AW-13
AW-9
MW-17M
PZ-1
EW-5
MW-17S
MW-6S
MW-6M
PZ-4
PZ-3
PW-2
MW-14S
PZ-2

100' 0 200'
SCALE: 1" = 200'

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_As_Oct18

The OS Group LLC

Site Plan View
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No:	1701119
Drawing No:	
Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	12/12/18
Checked By:	JCS
Last Modified:	12/13/18

Sheet: 1 of 1
Fig: 2

ABANDONED MONITORING WELL

MONITORING WELL

PIEZOMETER

POTABLE WELL

(645) GROUNDWATER ELEVATION

APPROXIMATE SITE BOUNDARY

APPROXIMATE LIMIT OF DESIGNATED MANAGEMENT ZONE

BLACK RIVER SHORELINE

LYTLE ROAD

STATE BIKE TRAIL

B.N.S.F. RAILROAD

COUNTY ROAD "Z"

SPORTSMANS CLUB ROAD

CANOE LANDING

TREES

CROPLAND

PASTURE

PROCESS BUILDING

CONCRETE PIT

ASPHALT DRIVE

CLARIFIER

MW-1SR (643.91)

MW-1S

MW-1M

PW-4

PW-3

MW-2S (643.98)

MW-2M

MW-2D

MW-4S (643.77)

MW-5S (643.77)

MW-16M

MW-16S (643.67)

MW-17M

MW-17S (643.66)

PZ-1 (643.64)

PW-2

MW-14S (643.68)

PZ-2 (643.47)

(643.74) PZ-6

PZ-5 (643.76)

MW-7M

MW-12S (643.68)

MW-8D

MW-8M

MW-8S (643.64)

MW-15M

PW-1

(643.48) MW-6S

MW-6M

PZ-3 (643.76)

PZ-4 (643.57)

MW-11M

MW-9M

MW-10M

643.90

643.80

643.70

644.60

643.50

643.70

N

100' 0 200'

SCALE: 1" = 200'

Groundwater Contour Map - Shallow - October 19,2021
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No: 1701119

Drawing No:

Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	4/23/21
Checked By:	JCS
Last Modified:	4/23/21

Sheet: 1 of 1

Fig: 3

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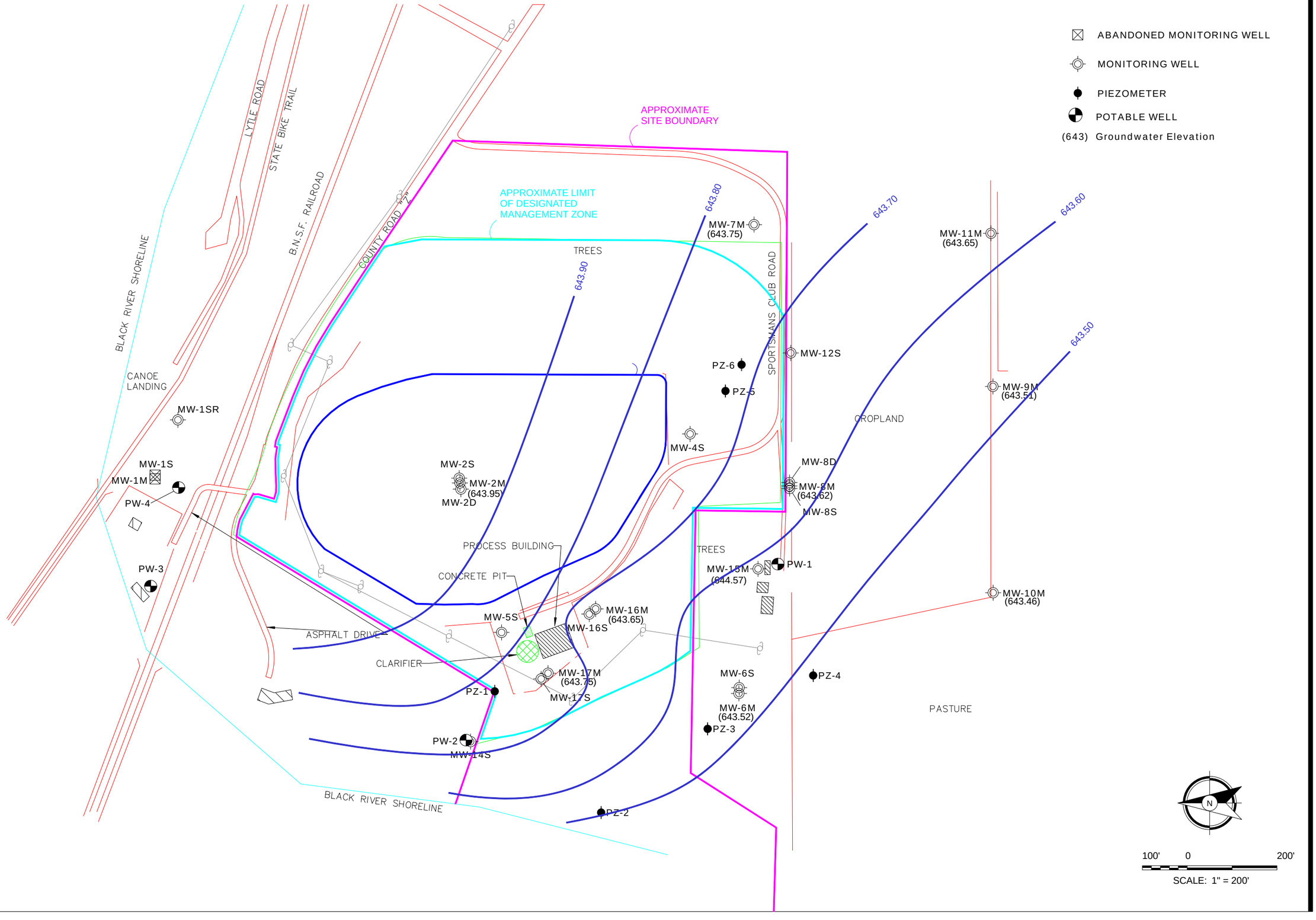
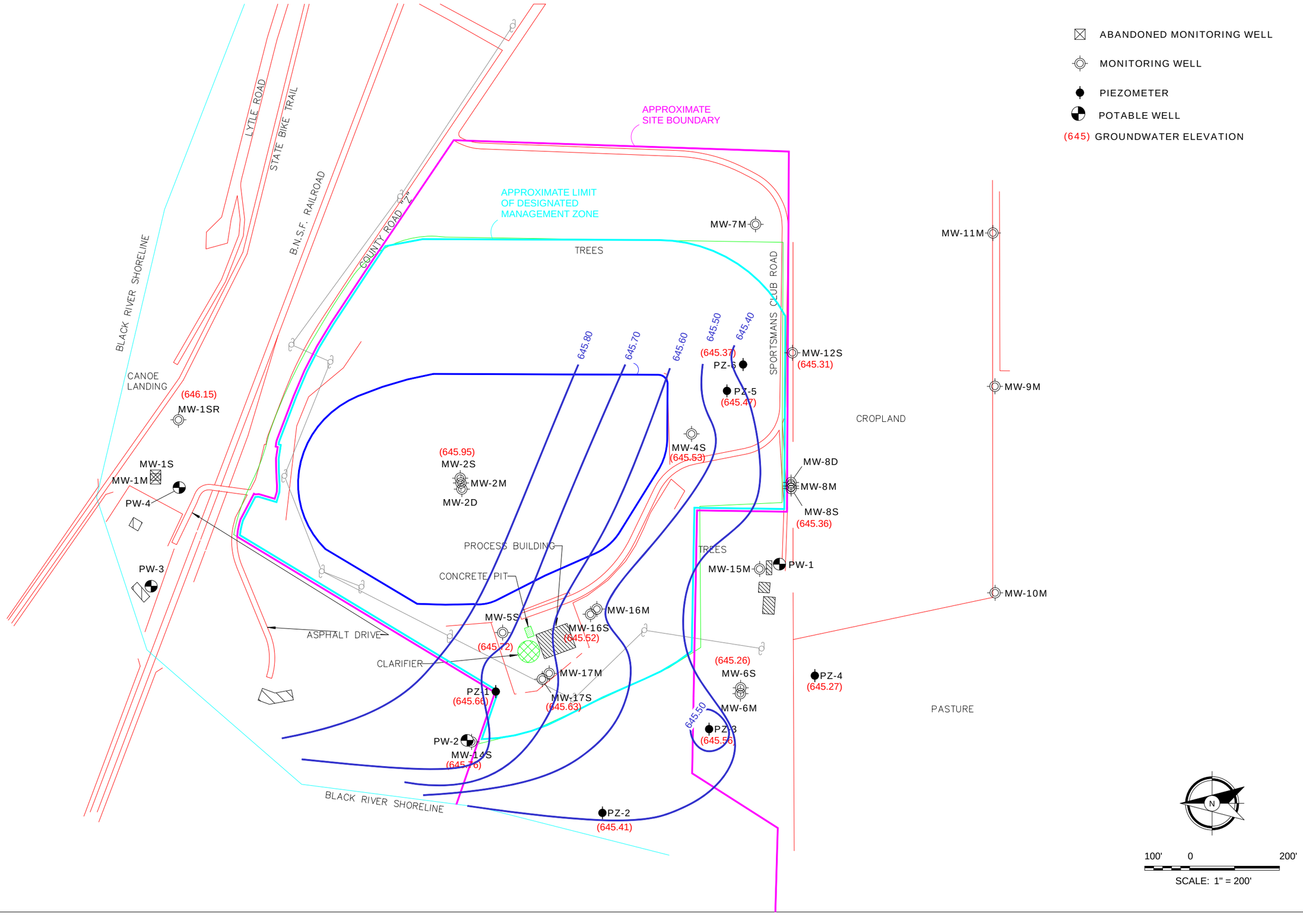


Groundwater Contour Map - Mid Depth - October 19, 2021
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
WISCONSIN DEPARMENT
OF NATURAL RESOURCES

Project No:	1701119
Drawing No:	
Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	4/23/21
Checked By:	JCS
Last Modified:	4/23/21
Sheet:	1 of 1
Fig:	4

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_As_Oct18



OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_As_Oct18

The OS Group LLC

Groundwater Contour Map - Shallow - April 25,2022
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

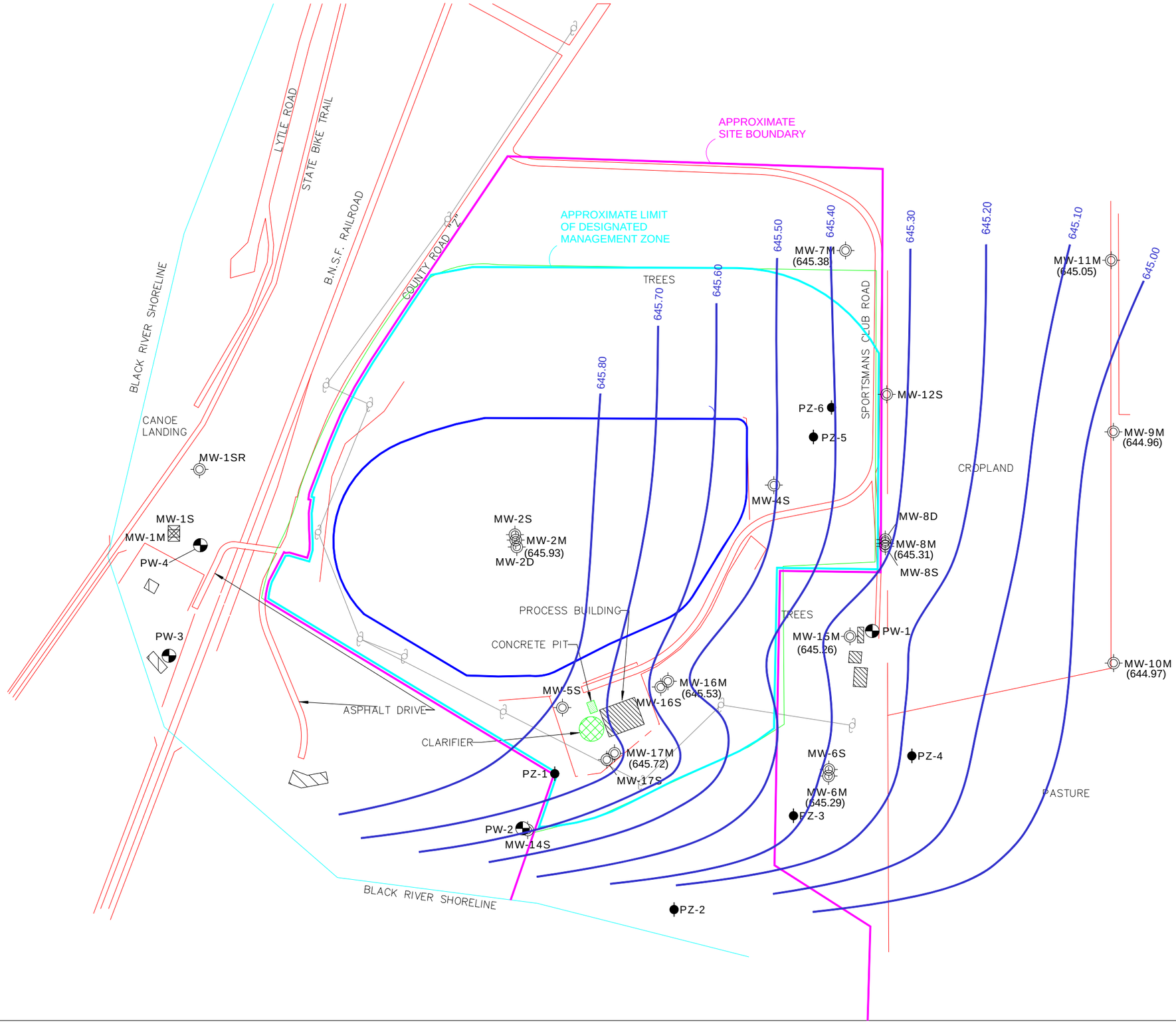
Project No: 1701119

Drawing No:

Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	4/23/21
Checked By:	JCS
Last Modified:	4/23/21

Sheet: 1 of 1

Fig: 5



Groundwater Contour Map - Mid Depth - April 25, 2022
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

The OS Group LLC

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No: 1701119

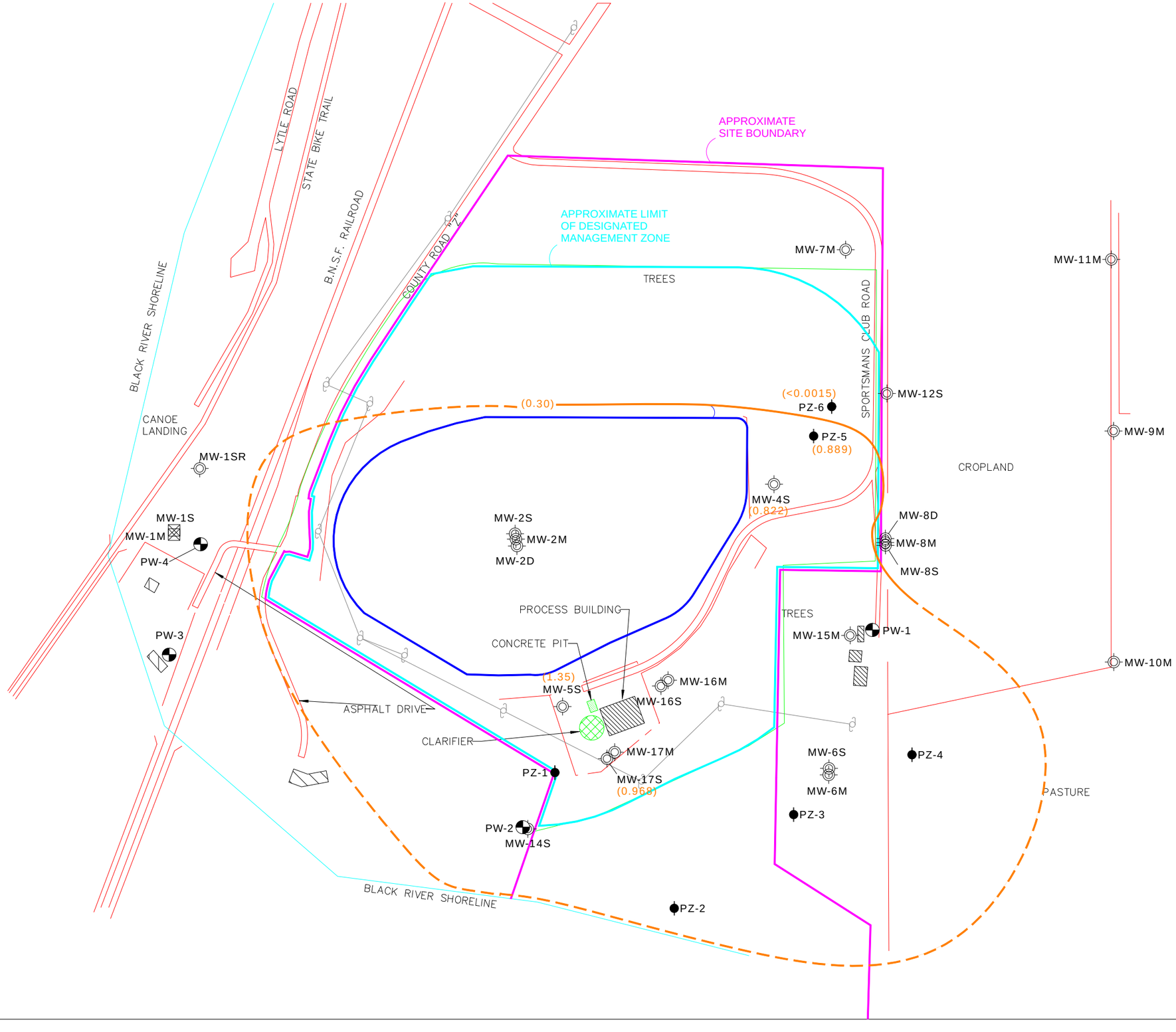
Drawing No:

Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	4/23/21
Checked By:	JCS
Last Modified:	4/23/21

Sheet: 1 of 1

Fig: 6

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_As_Oct18



Groundwater Manganese Isoconcentration - Shallow - October 19, 2021
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

The OS Group LLC

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No: 1701119

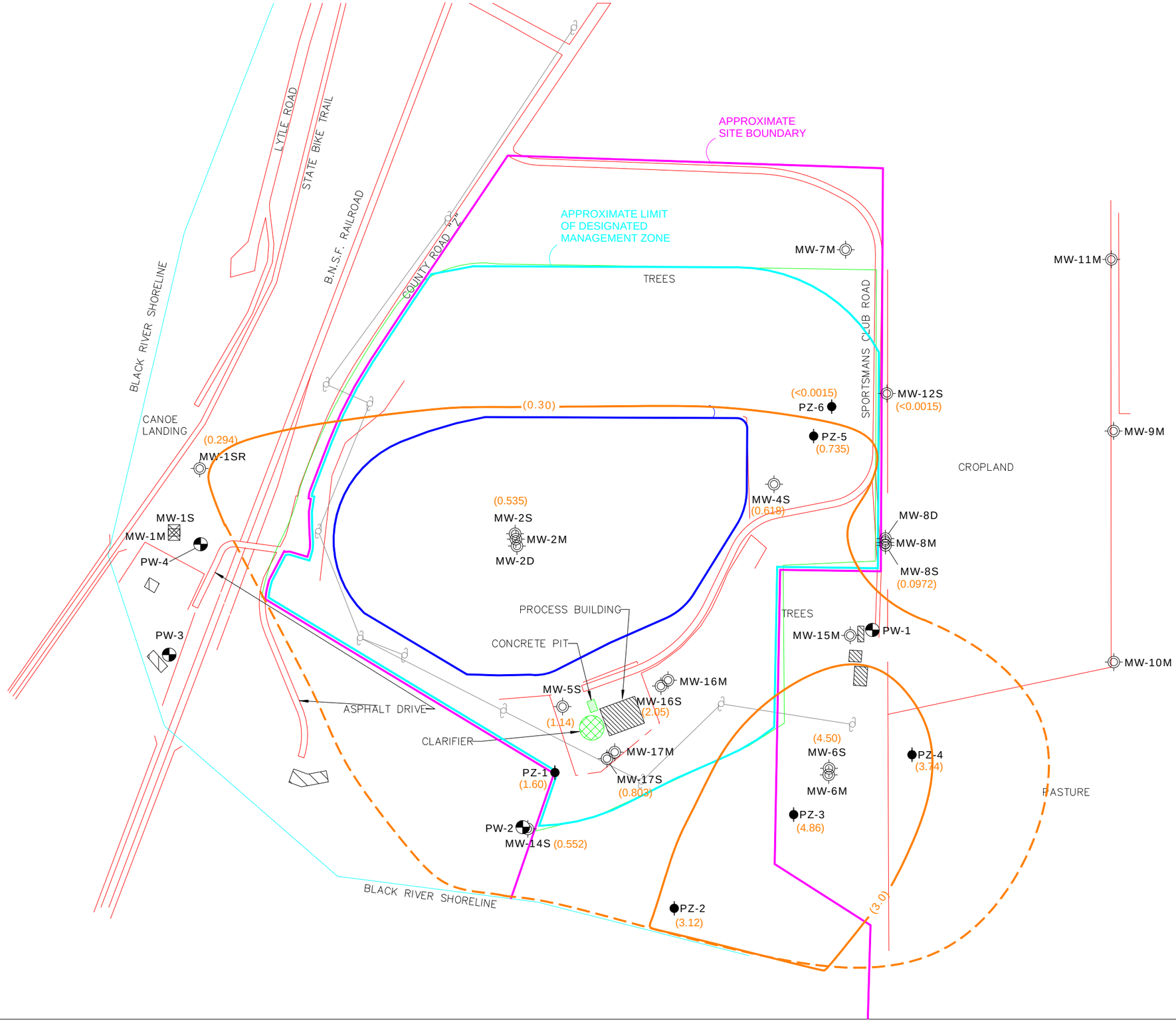
Drawing No:

Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	06/07/22
Checked By:	JCS
Last Modified:	06/07/22

Sheet: 1 of 1

Fig: 7

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_S_Mn_Apr18



Groundwater Manganese Isoconcentration - Shallow - April 25 - 28, 2022
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No:	1701119
Drawing No:	
Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	06/07/22
Checked By:	JCS
Last Modified:	06/07/22

Sheet: 1 of 1

Fig: 8

Groundwater Manganese Isoconcentration - Mid Depth - April 25-28, 2022
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

ABANDONED MONITORING WELL

MONITORING WELL

PIEZOMETER

POTABLE WELL

(2.27) MANGANESE CONCENTRATION (mg/l)

Note: NR 140 Enforcement Standard for Manganese is 0.3 mg/l

APPROXIMATE SITE BOUNDARY

APPROXIMATE LIMIT OF DESIGNATED MANAGEMENT ZONE

BLACK RIVER SHORELINE

LYTLE ROAD

STATE BIKE TRAIL

B.N.S.F. RAILROAD

COUNTY ROAD "Z"

SPORTSMANS CLUB ROAD

CANOE LANDING

TREES

CROPLAND

PASTURE

PROCESS BUILDING

CONCRETE PIT

ASPHALT DRIVE

CLARIFIER

MW-1SR

MW-1S

MW-1M

PW-4

PW-3

MW-2S

MW-2M (1.03)

MW-2D

MW-4S

MW-5S

MW-16M (1.71)

MW-16S

MW-17M (0.791)

MW-17S

PZ-1

PW-2

MW-14S

PZ-2

PZ-3

PZ-4

PZ-5

PZ-6

MW-6S

MW-6M (2.11)

MW-7M (0.696)

MW-8D

MW-8M (3.64)

MW-8S

(3.0)

MW-9M (0.974)

MW-10M (1.62)

MW-11M (1.31)

MW-12S

MW-15M (1.81)

PW-1

(1.0)

N

100' 0 200'

SCALE: 1" = 200'

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No: 1701119

Drawing No:

Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	06/07/22
Checked By:	JCS
Last Modified:	06/07/22

Sheet: 1 of 1

Fig: 9

ABANDONED MONITORING WELL

MONITORING WELL

PIEZOMETER

POTABLE WELL

(0.01) ARSENIC CONCENTRATION (mg/l)

Note: NR 140 Enforcement Standard for Arsenic is 0.01 mg/l

APPROXIMATE SITE BOUNDARY

APPROXIMATE LIMIT OF DESIGNATED MANAGEMENT ZONE

BLACK RIVER SHORELINE

LYTLE ROAD

STATE BIKE TRAIL

B.N.S.F. RAILROAD

COUNTY ROAD "Z"

SPORTSMANS CLUB ROAD

CANOE LANDING

TREES

CROPLAND

PROCESS BUILDING

CONCRETE PIT

ASPHALT DRIVE

CLARIFIER

PASTURE

MW-1SR

MW-1S

MW-1M

PW-4

PW-3

MW-2S

MW-2M

MW-2D

(0.01)

MW-4S (<0.0083)

MW-7M

MW-12S

(<0.0083) PZ-6

PZ-5 (<0.0083)

MW-8D

MW-8M

MW-8S

MW-15M

PW-1

MW-11M

MW-9M

MW-10M

(0.0104) MW-5S

MW-16M

MW-16S

MW-17M

MW-17S (<0.0083)

PZ-1

PW-2

MW-14S

PZ-2

MW-6S

MW-6M

PZ-3

PZ-4

100' 0 200'

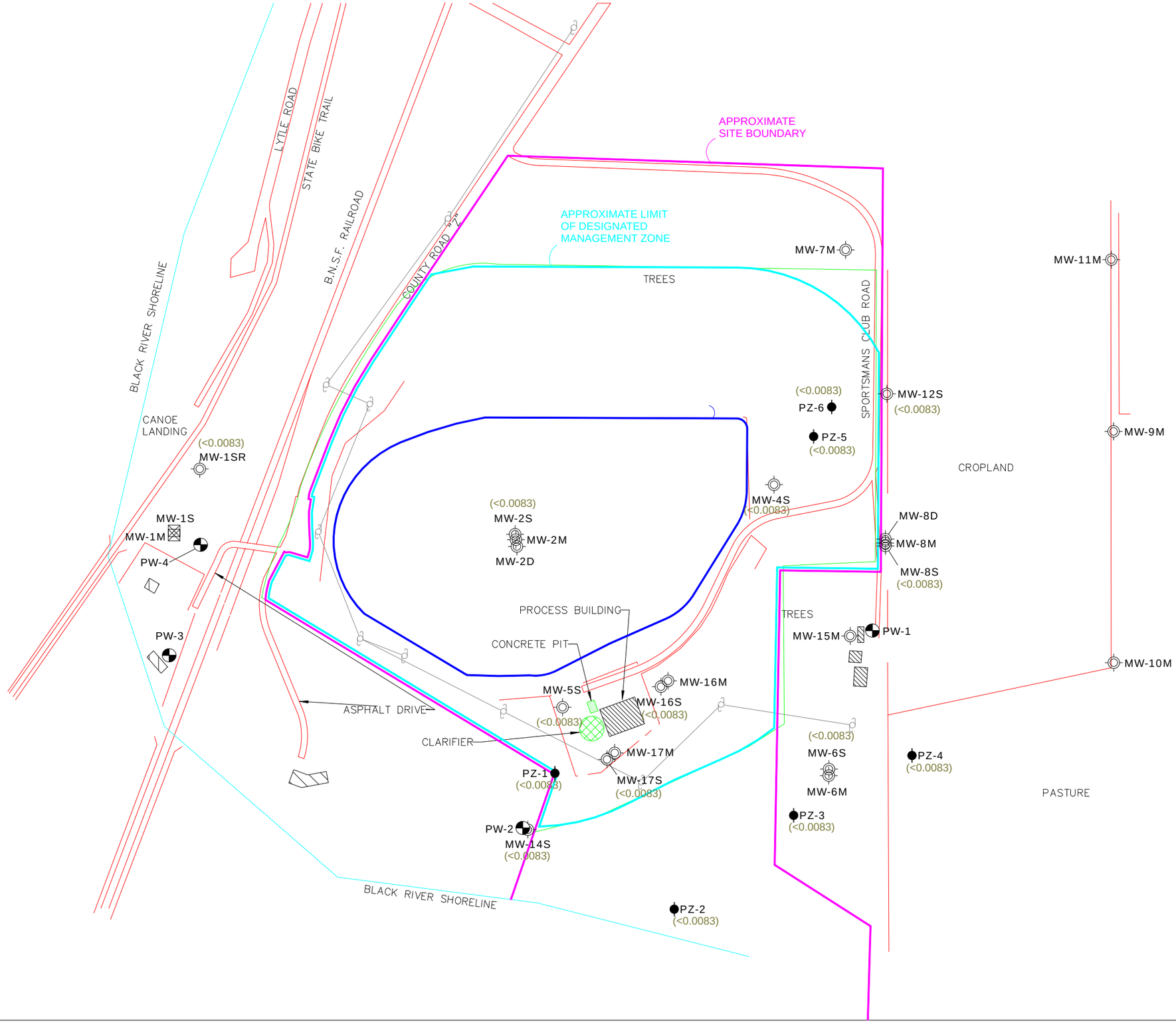
SCALE: 1" = 200'

Groundwater Arsenic Isoconcentration - Shallow - October 19, 2021
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No:	1701119
Drawing No:	
Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	06/07/22
Checked By:	JCS
Last Modified:	06/07/22
Sheet:	1 of 1
Fig:	10

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_Sh_As_Apr18



The OS Group LLC

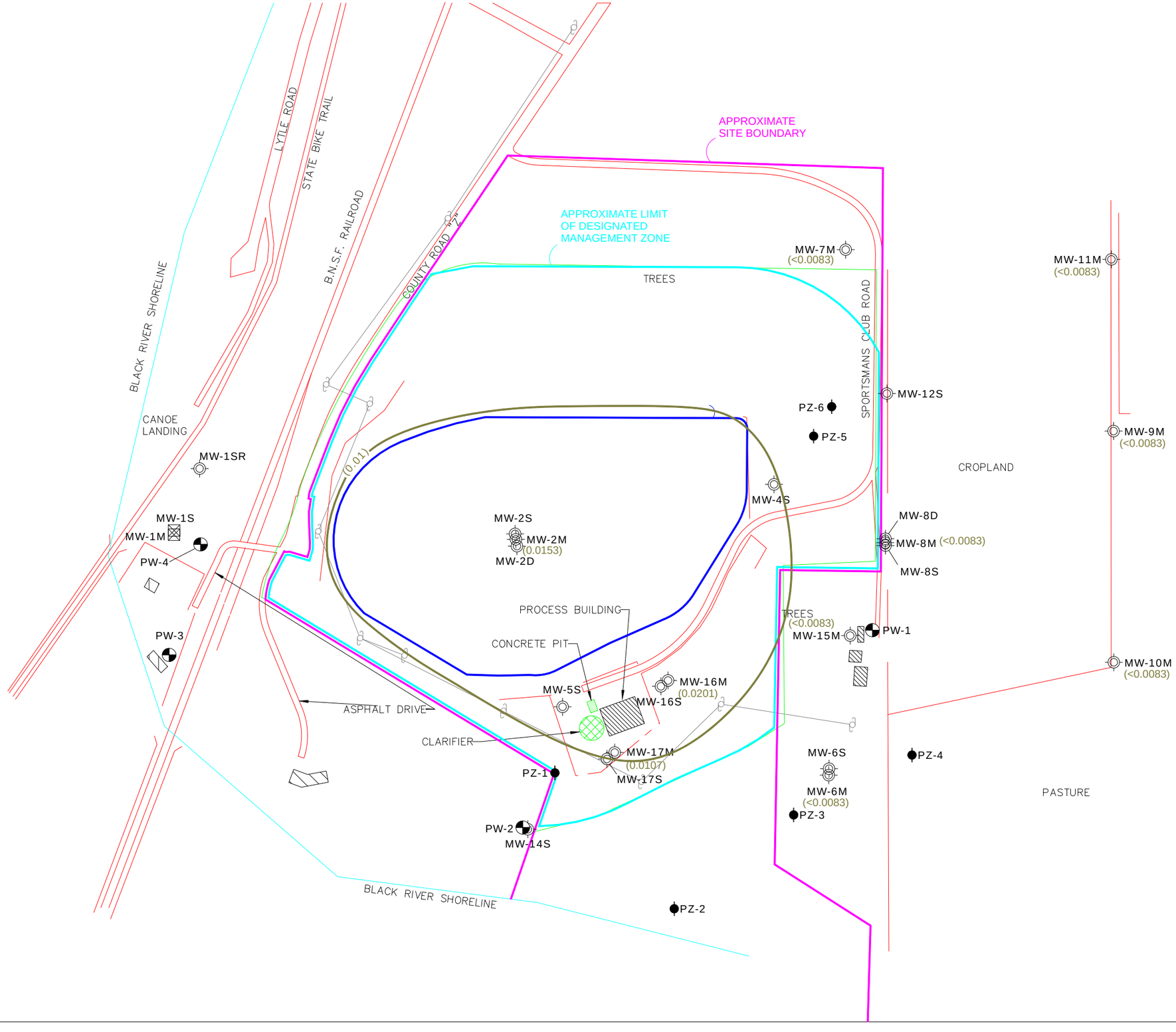
Groundwater Arsenic Isoconcentration - Shallow - April 25-28, 2022
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No:	1701119
Drawing No:	
Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	06/07/22
Checked By:	JCS
Last Modified:	06/07/22

Sheet: 1 of 1

Fig: 11



The OS Group LLC

Groundwater Arsenic Isoconcentration - Mid Depth - April 25-28, 2022
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No:	1701119
Drawing No:	
Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	06/07/22
Checked By:	JCS
Last Modified:	06/07/22

Sheet: 1 of 1

Fig: 12

APPENDIX A

GROUNDWATER SAMPLING SCHEDULE

ATTACHMENT C

Onalaska Landfill
Groundwater Sampling Schedule
October 2021 and April 2022

	Semi-Annual (October, April)			Annual (April 2022)			Five Year (April 2022)		
	Field Parameters[1]	VOCs	Metals	Field Parameters[1]	VOCs	Metals	Field Parameters[1]	VOCs	Metals
MW-1SR				X		X			
MW-2S				X		X		X	
MW-2M				X		X		X	
MW-4S	X	X	X						
MW-5S	X	X	X						
MW-6S				X	X	X			
MW-6M				X	X	X			
MW-7M				X		X		X	
MW-8S				X	X	X			
MW-8M				X	X	X			
MW-9M				X		X		X	
MW-10M				X		X			
MW-11M				X		X		X	
MW-12S				X	X	X			
MW-14S				X	X	X			
MW-15M				X		X		X	
MW-16S				X	X	X			
MW-16M				X	X	X			
MW-17S	X	X	X						
MW-17M				X		X		X	
PZ-1				X		X		X	
PZ-2				X		X		X	
PZ-3				X		X		X	
PZ-4				X		X		X	
PZ-5	X	X	X						
PZ-6	X	X	X						
Private Well 1				X	X	X			
Private Well 1				X	X	X			
Private Well 1				X	X	X			
Private Well 1				X	X	X			
Private Well 1				X	X	X			
Private Well 1				X	X	X			

1 –Alkalinity, TOC, DO, ORP, pH, conductivity, temperature.

See Attachment D for analytes and laboratory methods.

APPENDIX B

Laboratory Analytical Results

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

December 29, 2021

Steve Osesek
The OS Group, LLC
N6746 McCurdy Road
Holmen, WI 54636

RE: Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Dear Steve Osesek:

Enclosed are the analytical results for sample(s) received by the laboratory on October 22, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: John Storlie, The OS Group, LLC

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

CERTIFICATIONS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Pace Analytical Services Green Bay
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

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40235666001	**MW-4S**	Water	10/19/21 15:10	10/22/21 10:50
40235666002	**MW-5S**	Water	10/19/21 13:35	10/22/21 10:50
40235666003	**MW-17S**	Water	10/19/21 13:10	10/22/21 10:50
40235666004	**PZ-5**	Water	10/19/21 12:15	10/22/21 10:50
40235666005	**PZ-6**	Water	10/19/21 11:50	10/22/21 10:50
40235666006	**MW-5S DUP**	Water	10/19/21 00:00	10/22/21 10:50
40235666007	**TRIP BLANK**	Water	10/19/21 11:45	10/22/21 10:50
40235666008	**MW-1SR**	Water	10/19/21 00:00	10/22/21 10:50
40235666009	**MW-2M**	Water	10/19/21 00:00	10/22/21 10:50
40235666010	**MW-2S**	Water	10/19/21 00:00	10/22/21 10:50
40235666011	**MW-6M**	Water	10/19/21 00:00	10/22/21 10:50
40235666012	**MW-6S**	Water	10/19/21 00:00	10/22/21 10:50
40235666013	**MW-7M**	Water	10/19/21 00:00	10/22/21 10:50
40235666014	**MW-8M**	Water	10/19/21 00:00	10/22/21 10:50
40235666015	**MW-8S**	Water	10/19/21 00:00	10/22/21 10:50
40235666016	**MW-9M**	Water	10/19/21 00:00	10/22/21 10:50
40235666017	**MW-10M**	Water	10/19/21 00:00	10/22/21 10:50
40235666018	**MW-11M**	Water	10/19/21 00:00	10/22/21 10:50
40235666019	**MW-12S**	Water	10/19/21 00:00	10/22/21 10:50
40235666020	**MW-14S**	Water	10/19/21 00:00	10/22/21 10:50
40235666021	**MW-15M**	Water	10/19/21 00:00	10/22/21 10:50
40235666022	**MW-16S**	Water	10/19/21 00:00	10/22/21 10:50
40235666023	**MW-16M**	Water	10/19/21 00:00	10/22/21 10:50
40235666024	**MW-17M**	Water	10/19/21 00:00	10/22/21 10:50
40235666025	**PZ-1**	Water	10/19/21 00:00	10/22/21 10:50
40235666026	**PZ-2**	Water	10/19/21 00:00	10/22/21 10:50
40235666027	**PZ-3**	Water	10/19/21 00:00	10/22/21 10:50
40235666028	**PZ-4**	Water	10/19/21 00:00	10/22/21 10:50

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

SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235666001	**MW-4S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			CDH	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40235666002	**MW-5S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			CDH	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40235666003	**MW-17S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			CDH	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40235666004	**PZ-5**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			CDH	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40235666005	**PZ-6**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			CDH	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40235666006	**MW-5S DUP**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			CDH	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40235666007	**TRIP BLANK**	EPA 8260	LAP	57	PASI-G
40235666008	**MW-1SR**		CDH	1	PASI-G
40235666009	**MW-2M**		CDH	1	PASI-G
40235666010	**MW-2S**		CDH	1	PASI-G
40235666011	**MW-6M**		CDH	1	PASI-G
40235666012	**MW-6S**		CDH	1	PASI-G
40235666013	**MW-7M**		CDH	1	PASI-G

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235666014	**MW-8M**		CDH	1	PASI-G
40235666015	**MW-8S**		CDH	1	PASI-G
40235666016	**MW-9M**		CDH	1	PASI-G
40235666017	**MW-10M**		CDH	1	PASI-G
40235666018	**MW-11M**		CDH	1	PASI-G
40235666019	**MW-12S**		CDH	1	PASI-G
40235666020	**MW-14S**		CDH	1	PASI-G
40235666021	**MW-15M**		CDH	1	PASI-G
40235666022	**MW-16S**		CDH	1	PASI-G
40235666023	**MW-16M**		CDH	1	PASI-G
40235666024	**MW-17M**		CDH	1	PASI-G
40235666025	**PZ-1**		CDH	1	PASI-G
40235666026	**PZ-2**		CDH	1	PASI-G
40235666027	**PZ-3**		CDH	1	PASI-G
40235666028	**PZ-4**		CDH	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-4S **Lab ID: 40235666001** Collected: 10/19/21 15:10 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	10/27/21 06:22	10/27/21 20:15	7440-38-2	
Barium, Dissolved	**266**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:15	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	10/27/21 06:22	10/27/21 20:15	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	10/27/21 06:22	10/27/21 20:15	7440-48-4	
Iron, Dissolved	**8960**	ug/L	100	56.7	1	10/27/21 06:22	10/27/21 20:15	7439-89-6	
Manganese, Dissolved	**822**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:15	7439-96-5	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	10/27/21 06:22	10/27/21 20:15	7439-92-1	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	10/27/21 06:22	10/27/21 20:15	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	11/04/21 12:00	11/05/21 08:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.61**	ug/L	2.0	0.61	2		10/28/21 01:45	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.76**	ug/L	2.0	0.76	2		10/28/21 01:45	79-34-5	
1,1,2-Trichloroethane	**<0.69**	ug/L	10.0	0.69	2		10/28/21 01:45	79-00-5	
1,1-Dichloroethane	**<0.59**	ug/L	2.0	0.59	2		10/28/21 01:45	75-34-3	
1,1-Dichloroethene	**<1.2**	ug/L	2.0	1.2	2		10/28/21 01:45	75-35-4	
1,2,4-Trimethylbenzene	**521**	ug/L	10.0	4.5	10		10/28/21 09:07	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.7**	ug/L	10.0	4.7	2		10/28/21 01:45	96-12-8	
1,2-Dibromoethane (EDB)	**<0.62**	ug/L	2.0	0.62	2		10/28/21 01:45	106-93-4	
1,2-Dichlorobenzene	**<0.65**	ug/L	2.0	0.65	2		10/28/21 01:45	95-50-1	
1,2-Dichloroethane	**<0.58**	ug/L	2.0	0.58	2		10/28/21 01:45	107-06-2	
1,2-Dichloropropane	**<0.90**	ug/L	2.0	0.90	2		10/28/21 01:45	78-87-5	
1,3,5-Trimethylbenzene	**<0.71**	ug/L	2.0	0.71	2		10/28/21 01:45	108-67-8	
1,3-Dichlorobenzene	**<0.70**	ug/L	2.0	0.70	2		10/28/21 01:45	541-73-1	
1,4-Dichlorobenzene	**<1.8**	ug/L	2.0	1.8	2		10/28/21 01:45	106-46-7	
2-Butanone (MEK)	**<13.0**	ug/L	50.0	13.0	2		10/28/21 01:45	78-93-3	
2-Hexanone	**<12.6**	ug/L	50.0	12.6	2		10/28/21 01:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<11.9**	ug/L	50.0	11.9	2		10/28/21 01:45	108-10-1	
Acetone	**<17.3**	ug/L	50.0	17.3	2		10/28/21 01:45	67-64-1	
Benzene	**<0.59**	ug/L	2.0	0.59	2		10/28/21 01:45	71-43-2	
Bromodichloromethane	**<0.83**	ug/L	2.0	0.83	2		10/28/21 01:45	75-27-4	
Bromoform	**<7.6**	ug/L	10.0	7.6	2		10/28/21 01:45	75-25-2	
Bromomethane	**<2.4**	ug/L	10.0	2.4	2		10/28/21 01:45	74-83-9	
Carbon disulfide	**<2.2**	ug/L	10.0	2.2	2		10/28/21 01:45	75-15-0	
Carbon tetrachloride	**<0.74**	ug/L	2.0	0.74	2		10/28/21 01:45	56-23-5	
Chlorobenzene	**<1.7**	ug/L	2.0	1.7	2		10/28/21 01:45	108-90-7	
Chloroethane	**<2.8**	ug/L	10.0	2.8	2		10/28/21 01:45	75-00-3	
Chloroform	**<2.4**	ug/L	10.0	2.4	2		10/28/21 01:45	67-66-3	
Chloromethane	**<3.3**	ug/L	10.0	3.3	2		10/28/21 01:45	74-87-3	
Dibromochloromethane	**<5.3**	ug/L	10.0	5.3	2		10/28/21 01:45	124-48-1	
Dibromomethane	**<2.0**	ug/L	10.0	2.0	2		10/28/21 01:45	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-4S **Lab ID: 40235666001** Collected: 10/19/21 15:10 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.91**	ug/L	10.0	0.91	2		10/28/21 01:45	75-71-8	
Ethylbenzene	**<0.65**	ug/L	2.0	0.65	2		10/28/21 01:45	100-41-4	
Hexachloro-1,3-butadiene	**<5.5**	ug/L	10.0	5.5	2		10/28/21 01:45	87-68-3	
Isopropylbenzene (Cumene)	**10J**	ug/L	10.0	2.0	2		10/28/21 01:45	98-82-8	
Methyl-tert-butyl ether	**<2.3**	ug/L	10.0	2.3	2		10/28/21 01:45	1634-04-4	
Methylene Chloride	**<0.64**	ug/L	10.0	0.64	2		10/28/21 01:45	75-09-2	
Naphthalene	**2.5J**	ug/L	10.0	2.3	2		10/28/21 01:45	91-20-3	
Styrene	**<0.71**	ug/L	2.0	0.71	2		10/28/21 01:45	100-42-5	
Tetrachloroethene	**<0.82**	ug/L	2.0	0.82	2		10/28/21 01:45	127-18-4	
Tetrahydrofuran	**<4.8**	ug/L	50.0	4.8	2		10/28/21 01:45	109-99-9	
Toluene	**<0.58**	ug/L	2.0	0.58	2		10/28/21 01:45	108-88-3	
Trichloroethene	**<0.64**	ug/L	2.0	0.64	2		10/28/21 01:45	79-01-6	
Trichlorofluoromethane	**<0.84**	ug/L	2.0	0.84	2		10/28/21 01:45	75-69-4	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		10/28/21 01:45	75-01-4	
Xylene (Total)	**2.5J**	ug/L	6.0	2.1	2		10/28/21 01:45	1330-20-7	
cis-1,2-Dichloroethene	**<0.94**	ug/L	2.0	0.94	2		10/28/21 01:45	156-59-2	
cis-1,3-Dichloropropene	**<0.72**	ug/L	2.0	0.72	2		10/28/21 01:45	10061-01-5	
n-Butylbenzene	**7.8**	ug/L	2.0	1.7	2		10/28/21 01:45	104-51-8	
n-Propylbenzene	**24.7**	ug/L	2.0	0.69	2		10/28/21 01:45	103-65-1	
p-Isopropyltoluene	**12.3**	ug/L	10.0	2.1	2		10/28/21 01:45	99-87-6	
sec-Butylbenzene	**22.4**	ug/L	2.0	0.85	2		10/28/21 01:45	135-98-8	
tert-Butylbenzene	**1.3J**	ug/L	2.0	1.2	2		10/28/21 01:45	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	2.0	1.1	2		10/28/21 01:45	156-60-5	
trans-1,3-Dichloropropene	**<6.9**	ug/L	10.0	6.9	2		10/28/21 01:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2		10/28/21 01:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		2		10/28/21 01:45	2199-69-1	
Toluene-d8 (S)	108	%	70-130		2		10/28/21 01:45	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**6.95**	Std. Units			1		10/19/21 15:10		
Field Specific Conductance	**413**	umhos/cm			1		10/19/21 15:10		
Oxygen, Dissolved	**0.11**	mg/L			1		10/19/21 15:10	7782-44-7	
REDOX	**-175.7**	mV			1		10/19/21 15:10		
Static Water Level	**643.50**	feet			1		10/19/21 15:10		
Temperature, Water (C)	**11.55**	deg C			1		10/19/21 15:10		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.7**	mg/L	0.50	0.085	1		11/03/21 14:15	7440-44-0	
Total Organic Carbon	**1.7**	mg/L	0.50	0.085	1		11/03/21 14:15	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.50	0.085	1		11/03/21 14:15	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.50	0.085	1		11/03/21 14:15	7440-44-0	
Mean Total Organic Carbon	**1.8**	mg/L	0.50	0.085	1		11/03/21 14:15	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-5S **Lab ID: 40235666002** Collected: 10/19/21 13:35 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**10.4J**	ug/L	25.0	8.3	1	10/27/21 06:22	10/27/21 20:24	7440-38-2	
Barium, Dissolved	**263**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:24	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	10/27/21 06:22	10/27/21 20:24	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	10/27/21 06:22	10/27/21 20:24	7440-48-4	
Iron, Dissolved	**19600**	ug/L	100	56.7	1	10/27/21 06:22	10/27/21 20:24	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	10/27/21 06:22	10/27/21 20:24	7439-92-1	
Manganese, Dissolved	**1350**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:24	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	10/27/21 06:22	10/27/21 20:24	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	11/04/21 12:00	11/05/21 09:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<3.0**	ug/L	10.0	3.0	10		10/28/21 02:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.8**	ug/L	10.0	3.8	10		10/28/21 02:41	79-34-5	
1,1,2-Trichloroethane	**<3.4**	ug/L	50.0	3.4	10		10/28/21 02:41	79-00-5	
1,1-Dichloroethane	**<3.0**	ug/L	10.0	3.0	10		10/28/21 02:41	75-34-3	
1,1-Dichloroethene	**<5.8**	ug/L	10.0	5.8	10		10/28/21 02:41	75-35-4	
1,2,4-Trimethylbenzene	**1790**	ug/L	10.0	4.5	10		10/28/21 02:41	95-63-6	
1,2-Dibromo-3-chloropropane	**<23.7**	ug/L	50.0	23.7	10		10/28/21 02:41	96-12-8	
1,2-Dibromoethane (EDB)	**<3.1**	ug/L	10.0	3.1	10		10/28/21 02:41	106-93-4	
1,2-Dichlorobenzene	**<3.3**	ug/L	10.0	3.3	10		10/28/21 02:41	95-50-1	
1,2-Dichloroethane	**<2.9**	ug/L	10.0	2.9	10		10/28/21 02:41	107-06-2	
1,2-Dichloropropane	**<4.5**	ug/L	10.0	4.5	10		10/28/21 02:41	78-87-5	
1,3,5-Trimethylbenzene	**<3.6**	ug/L	10.0	3.6	10		10/28/21 02:41	108-67-8	
1,3-Dichlorobenzene	**<3.5**	ug/L	10.0	3.5	10		10/28/21 02:41	541-73-1	
1,4-Dichlorobenzene	**<8.9**	ug/L	10.0	8.9	10		10/28/21 02:41	106-46-7	
2-Butanone (MEK)	**<65.2**	ug/L	250	65.2	10		10/28/21 02:41	78-93-3	
2-Hexanone	**<62.8**	ug/L	250	62.8	10		10/28/21 02:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<59.5**	ug/L	250	59.5	10		10/28/21 02:41	108-10-1	
Acetone	**<86.4**	ug/L	250	86.4	10		10/28/21 02:41	67-64-1	
Benzene	**<3.0**	ug/L	10.0	3.0	10		10/28/21 02:41	71-43-2	
Bromodichloromethane	**<4.2**	ug/L	10.0	4.2	10		10/28/21 02:41	75-27-4	
Bromoform	**<38.0**	ug/L	50.0	38.0	10		10/28/21 02:41	75-25-2	
Bromomethane	**<11.9**	ug/L	50.0	11.9	10		10/28/21 02:41	74-83-9	
Carbon disulfide	**<11.0**	ug/L	50.0	11.0	10		10/28/21 02:41	75-15-0	
Carbon tetrachloride	**<3.7**	ug/L	10.0	3.7	10		10/28/21 02:41	56-23-5	
Chlorobenzene	**<8.6**	ug/L	10.0	8.6	10		10/28/21 02:41	108-90-7	
Chloroethane	**<13.8**	ug/L	50.0	13.8	10		10/28/21 02:41	75-00-3	
Chloroform	**<11.8**	ug/L	50.0	11.8	10		10/28/21 02:41	67-66-3	
Chloromethane	**<16.4**	ug/L	50.0	16.4	10		10/28/21 02:41	74-87-3	
Dibromochloromethane	**<26.4**	ug/L	50.0	26.4	10		10/28/21 02:41	124-48-1	
Dibromomethane	**<9.9**	ug/L	50.0	9.9	10		10/28/21 02:41	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-5S **Lab ID: 40235666002** Collected: 10/19/21 13:35 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<4.6**	ug/L	50.0	4.6	10		10/28/21 02:41	75-71-8	
Ethylbenzene	**<3.3**	ug/L	10.0	3.3	10		10/28/21 02:41	100-41-4	
Hexachloro-1,3-butadiene	**<27.4**	ug/L	50.0	27.4	10		10/28/21 02:41	87-68-3	
Isopropylbenzene (Cumene)	**54.9**	ug/L	50.0	10.0	10		10/28/21 02:41	98-82-8	
Methyl-tert-butyl ether	**<11.3**	ug/L	50.0	11.3	10		10/28/21 02:41	1634-04-4	
Methylene Chloride	**<3.2**	ug/L	50.0	3.2	10		10/28/21 02:41	75-09-2	
Naphthalene	**31.5J**	ug/L	50.0	11.3	10		10/28/21 02:41	91-20-3	
Styrene	**<3.6**	ug/L	10.0	3.6	10		10/28/21 02:41	100-42-5	
Tetrachloroethene	**<4.1**	ug/L	10.0	4.1	10		10/28/21 02:41	127-18-4	
Tetrahydrofuran	**<24.2**	ug/L	250	24.2	10		10/28/21 02:41	109-99-9	
Toluene	**<2.9**	ug/L	10.0	2.9	10		10/28/21 02:41	108-88-3	
Trichloroethene	**<3.2**	ug/L	10.0	3.2	10		10/28/21 02:41	79-01-6	
Trichlorofluoromethane	**<4.2**	ug/L	10.0	4.2	10		10/28/21 02:41	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		10/28/21 02:41	75-01-4	
Xylene (Total)	**<10.5**	ug/L	30.0	10.5	10		10/28/21 02:41	1330-20-7	
cis-1,2-Dichloroethene	**<4.7**	ug/L	10.0	4.7	10		10/28/21 02:41	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	10.0	3.6	10		10/28/21 02:41	10061-01-5	
n-Butylbenzene	**13.3**	ug/L	10.0	8.6	10		10/28/21 02:41	104-51-8	
n-Propylbenzene	**118**	ug/L	10.0	3.5	10		10/28/21 02:41	103-65-1	
p-Isopropyltoluene	**14.5J**	ug/L	50.0	10.4	10		10/28/21 02:41	99-87-6	
sec-Butylbenzene	**18.6**	ug/L	10.0	4.2	10		10/28/21 02:41	135-98-8	
tert-Butylbenzene	**18.2**	ug/L	10.0	5.9	10		10/28/21 02:41	98-06-6	
trans-1,2-Dichloroethene	**<5.3**	ug/L	10.0	5.3	10		10/28/21 02:41	156-60-5	
trans-1,3-Dichloropropene	**<34.6**	ug/L	50.0	34.6	10		10/28/21 02:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		10/28/21 02:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		10		10/28/21 02:41	2199-69-1	
Toluene-d8 (S)	108	%	70-130		10		10/28/21 02:41	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**6.66**	Std. Units			1		10/19/21 13:35		
Field Specific Conductance	**444**	umhos/cm			1		10/19/21 13:35		
Oxygen, Dissolved	**0.09**	mg/L			1		10/19/21 13:35	7782-44-7	
REDOX	**-179.3**	mV			1		10/19/21 13:35		
Static Water Level	**643.53**	feet			1		10/19/21 13:35		
Temperature, Water (C)	**13.06**	deg C			1		10/19/21 13:35		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.5**	mg/L	0.50	0.085	1		11/03/21 15:22	7440-44-0	
Total Organic Carbon	**4.7**	mg/L	0.50	0.085	1		11/03/21 15:22	7440-44-0	
Total Organic Carbon	**4.9**	mg/L	0.50	0.085	1		11/03/21 15:22	7440-44-0	
Total Organic Carbon	**4.9**	mg/L	0.50	0.085	1		11/03/21 15:22	7440-44-0	
Mean Total Organic Carbon	**4.8**	mg/L	0.50	0.085	1		11/03/21 15:22	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-17S **Lab ID: 40235666003** Collected: 10/19/21 13:10 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	10/27/21 06:22	10/27/21 20:29	7440-38-2	
Barium, Dissolved	**211**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:29	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	10/27/21 06:22	10/27/21 20:29	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	10/27/21 06:22	10/27/21 20:29	7440-48-4	
Iron, Dissolved	**8920**	ug/L	100	56.7	1	10/27/21 06:22	10/27/21 20:29	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	10/27/21 06:22	10/27/21 20:29	7439-92-1	
Manganese, Dissolved	**968**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:29	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	10/27/21 06:22	10/27/21 20:29	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	11/04/21 12:00	11/05/21 09:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		10/28/21 02:22	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/L	5.0	1.9	5		10/28/21 02:22	79-34-5	
1,1,2-Trichloroethane	**<1.7**	ug/L	25.0	1.7	5		10/28/21 02:22	79-00-5	
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		10/28/21 02:22	75-34-3	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		10/28/21 02:22	75-35-4	
1,2,4-Trimethylbenzene	**847**	ug/L	5.0	2.2	5		10/28/21 02:22	95-63-6	
1,2-Dibromo-3-chloropropane	**<11.8**	ug/L	25.0	11.8	5		10/28/21 02:22	96-12-8	
1,2-Dibromoethane (EDB)	**<1.5**	ug/L	5.0	1.5	5		10/28/21 02:22	106-93-4	
1,2-Dichlorobenzene	**<1.6**	ug/L	5.0	1.6	5		10/28/21 02:22	95-50-1	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		10/28/21 02:22	107-06-2	
1,2-Dichloropropane	**<2.2**	ug/L	5.0	2.2	5		10/28/21 02:22	78-87-5	
1,3,5-Trimethylbenzene	**<1.8**	ug/L	5.0	1.8	5		10/28/21 02:22	108-67-8	
1,3-Dichlorobenzene	**<1.8**	ug/L	5.0	1.8	5		10/28/21 02:22	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/L	5.0	4.5	5		10/28/21 02:22	106-46-7	
2-Butanone (MEK)	**<32.6**	ug/L	125	32.6	5		10/28/21 02:22	78-93-3	
2-Hexanone	**<31.4**	ug/L	125	31.4	5		10/28/21 02:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<29.8**	ug/L	125	29.8	5		10/28/21 02:22	108-10-1	
Acetone	**<43.2**	ug/L	125	43.2	5		10/28/21 02:22	67-64-1	
Benzene	**<1.5**	ug/L	5.0	1.5	5		10/28/21 02:22	71-43-2	
Bromodichloromethane	**<2.1**	ug/L	5.0	2.1	5		10/28/21 02:22	75-27-4	
Bromoform	**<19.0**	ug/L	25.0	19.0	5		10/28/21 02:22	75-25-2	
Bromomethane	**<6.0**	ug/L	25.0	6.0	5		10/28/21 02:22	74-83-9	
Carbon disulfide	**<5.5**	ug/L	25.0	5.5	5		10/28/21 02:22	75-15-0	
Carbon tetrachloride	**<1.8**	ug/L	5.0	1.8	5		10/28/21 02:22	56-23-5	
Chlorobenzene	**<4.3**	ug/L	5.0	4.3	5		10/28/21 02:22	108-90-7	
Chloroethane	**<6.9**	ug/L	25.0	6.9	5		10/28/21 02:22	75-00-3	
Chloroform	**<5.9**	ug/L	25.0	5.9	5		10/28/21 02:22	67-66-3	
Chloromethane	**<8.2**	ug/L	25.0	8.2	5		10/28/21 02:22	74-87-3	
Dibromochloromethane	**<13.2**	ug/L	25.0	13.2	5		10/28/21 02:22	124-48-1	
Dibromomethane	**<5.0**	ug/L	25.0	5.0	5		10/28/21 02:22	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-17S **Lab ID: 40235666003** Collected: 10/19/21 13:10 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<2.3**	ug/L	25.0	2.3	5		10/28/21 02:22	75-71-8	
Ethylbenzene	**<1.6**	ug/L	5.0	1.6	5		10/28/21 02:22	100-41-4	
Hexachloro-1,3-butadiene	**<13.7**	ug/L	25.0	13.7	5		10/28/21 02:22	87-68-3	
Isopropylbenzene (Cumene)	**8.9J**	ug/L	25.0	5.0	5		10/28/21 02:22	98-82-8	
Methyl-tert-butyl ether	**<5.6**	ug/L	25.0	5.6	5		10/28/21 02:22	1634-04-4	
Methylene Chloride	**<1.6**	ug/L	25.0	1.6	5		10/28/21 02:22	75-09-2	
Naphthalene	**<5.6**	ug/L	25.0	5.6	5		10/28/21 02:22	91-20-3	
Styrene	**<1.8**	ug/L	5.0	1.8	5		10/28/21 02:22	100-42-5	
Tetrachloroethene	**<2.0**	ug/L	5.0	2.0	5		10/28/21 02:22	127-18-4	
Tetrahydrofuran	**<12.1**	ug/L	125	12.1	5		10/28/21 02:22	109-99-9	
Toluene	**<1.4**	ug/L	5.0	1.4	5		10/28/21 02:22	108-88-3	
Trichloroethene	**<1.6**	ug/L	5.0	1.6	5		10/28/21 02:22	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	5.0	2.1	5		10/28/21 02:22	75-69-4	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		10/28/21 02:22	75-01-4	
Xylene (Total)	**<5.2**	ug/L	15.0	5.2	5		10/28/21 02:22	1330-20-7	
cis-1,2-Dichloroethene	**<2.4**	ug/L	5.0	2.4	5		10/28/21 02:22	156-59-2	
cis-1,3-Dichloropropene	**<1.8**	ug/L	5.0	1.8	5		10/28/21 02:22	10061-01-5	
n-Butylbenzene	**5.1**	ug/L	5.0	4.3	5		10/28/21 02:22	104-51-8	
n-Propylbenzene	**20.2**	ug/L	5.0	1.7	5		10/28/21 02:22	103-65-1	
p-Isopropyltoluene	**12.8J**	ug/L	25.0	5.2	5		10/28/21 02:22	99-87-6	
sec-Butylbenzene	**16.0**	ug/L	5.0	2.1	5		10/28/21 02:22	135-98-8	
tert-Butylbenzene	**7.9**	ug/L	5.0	2.9	5		10/28/21 02:22	98-06-6	
trans-1,2-Dichloroethene	**<2.6**	ug/L	5.0	2.6	5		10/28/21 02:22	156-60-5	
trans-1,3-Dichloropropene	**<17.3**	ug/L	25.0	17.3	5		10/28/21 02:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		5		10/28/21 02:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		5		10/28/21 02:22	2199-69-1	
Toluene-d8 (S)	107	%	70-130		5		10/28/21 02:22	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.00**	Std. Units			1		10/19/21 13:10		
Field Specific Conductance	**427**	umhos/cm			1		10/19/21 13:10		
Oxygen, Dissolved	**0.32**	mg/L			1		10/19/21 13:10	7782-44-7	
REDOX	**-168.2**	mV			1		10/19/21 13:10		
Static Water Level	**643.49**	feet			1		10/19/21 13:10		
Temperature, Water (C)	**14.23**	deg C			1		10/19/21 13:10		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.7**	mg/L	0.50	0.085	1		11/03/21 15:47	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.50	0.085	1		11/03/21 15:47	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.50	0.085	1		11/03/21 15:47	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.50	0.085	1		11/03/21 15:47	7440-44-0	
Mean Total Organic Carbon	**1.8**	mg/L	0.50	0.085	1		11/03/21 15:47	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: PZ-5 **Lab ID: 40235666004** Collected: 10/19/21 12:15 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	10/27/21 06:22	10/27/21 20:31	7440-38-2	
Barium, Dissolved	**160**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:31	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	10/27/21 06:22	10/27/21 20:31	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	10/27/21 06:22	10/27/21 20:31	7440-48-4	
Iron, Dissolved	**5590**	ug/L	100	56.7	1	10/27/21 06:22	10/27/21 20:31	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	10/27/21 06:22	10/27/21 20:31	7439-92-1	
Manganese, Dissolved	**889**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:31	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	10/27/21 06:22	10/27/21 20:31	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	11/04/21 12:00	11/05/21 09:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.61**	ug/L	2.0	0.61	2		10/28/21 02:04	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.76**	ug/L	2.0	0.76	2		10/28/21 02:04	79-34-5	
1,1,2-Trichloroethane	**<0.69**	ug/L	10.0	0.69	2		10/28/21 02:04	79-00-5	
1,1-Dichloroethane	**<0.59**	ug/L	2.0	0.59	2		10/28/21 02:04	75-34-3	
1,1-Dichloroethene	**<1.2**	ug/L	2.0	1.2	2		10/28/21 02:04	75-35-4	
1,2,4-Trimethylbenzene	**93.4**	ug/L	2.0	0.90	2		10/28/21 02:04	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.7**	ug/L	10.0	4.7	2		10/28/21 02:04	96-12-8	
1,2-Dibromoethane (EDB)	**<0.62**	ug/L	2.0	0.62	2		10/28/21 02:04	106-93-4	
1,2-Dichlorobenzene	**<0.65**	ug/L	2.0	0.65	2		10/28/21 02:04	95-50-1	
1,2-Dichloroethane	**<0.58**	ug/L	2.0	0.58	2		10/28/21 02:04	107-06-2	
1,2-Dichloropropane	**<0.90**	ug/L	2.0	0.90	2		10/28/21 02:04	78-87-5	
1,3,5-Trimethylbenzene	**<0.71**	ug/L	2.0	0.71	2		10/28/21 02:04	108-67-8	
1,3-Dichlorobenzene	**<0.70**	ug/L	2.0	0.70	2		10/28/21 02:04	541-73-1	
1,4-Dichlorobenzene	**<1.8**	ug/L	2.0	1.8	2		10/28/21 02:04	106-46-7	
2-Butanone (MEK)	**<13.0**	ug/L	50.0	13.0	2		10/28/21 02:04	78-93-3	
2-Hexanone	**<12.6**	ug/L	50.0	12.6	2		10/28/21 02:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<11.9**	ug/L	50.0	11.9	2		10/28/21 02:04	108-10-1	
Acetone	**<17.3**	ug/L	50.0	17.3	2		10/28/21 02:04	67-64-1	
Benzene	**<0.59**	ug/L	2.0	0.59	2		10/28/21 02:04	71-43-2	
Bromodichloromethane	**<0.83**	ug/L	2.0	0.83	2		10/28/21 02:04	75-27-4	
Bromoform	**<7.6**	ug/L	10.0	7.6	2		10/28/21 02:04	75-25-2	
Bromomethane	**<2.4**	ug/L	10.0	2.4	2		10/28/21 02:04	74-83-9	
Carbon disulfide	**<2.2**	ug/L	10.0	2.2	2		10/28/21 02:04	75-15-0	
Carbon tetrachloride	**<0.74**	ug/L	2.0	0.74	2		10/28/21 02:04	56-23-5	
Chlorobenzene	**<1.7**	ug/L	2.0	1.7	2		10/28/21 02:04	108-90-7	
Chloroethane	**<2.8**	ug/L	10.0	2.8	2		10/28/21 02:04	75-00-3	
Chloroform	**<2.4**	ug/L	10.0	2.4	2		10/28/21 02:04	67-66-3	
Chloromethane	**<3.3**	ug/L	10.0	3.3	2		10/28/21 02:04	74-87-3	
Dibromochloromethane	**<5.3**	ug/L	10.0	5.3	2		10/28/21 02:04	124-48-1	
Dibromomethane	**<2.0**	ug/L	10.0	2.0	2		10/28/21 02:04	74-95-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: PZ-5 **Lab ID: 40235666004** Collected: 10/19/21 12:15 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.91**	ug/L	10.0	0.91	2		10/28/21 02:04	75-71-8	
Ethylbenzene	**<0.65**	ug/L	2.0	0.65	2		10/28/21 02:04	100-41-4	
Hexachloro-1,3-butadiene	**<5.5**	ug/L	10.0	5.5	2		10/28/21 02:04	87-68-3	
Isopropylbenzene (Cumene)	**<2.0**	ug/L	10.0	2.0	2		10/28/21 02:04	98-82-8	
Methyl-tert-butyl ether	**<2.3**	ug/L	10.0	2.3	2		10/28/21 02:04	1634-04-4	
Methylene Chloride	**<0.64**	ug/L	10.0	0.64	2		10/28/21 02:04	75-09-2	
Naphthalene	**<2.3**	ug/L	10.0	2.3	2		10/28/21 02:04	91-20-3	
Styrene	**<0.71**	ug/L	2.0	0.71	2		10/28/21 02:04	100-42-5	
Tetrachloroethene	**<0.82**	ug/L	2.0	0.82	2		10/28/21 02:04	127-18-4	
Tetrahydrofuran	**<4.8**	ug/L	50.0	4.8	2		10/28/21 02:04	109-99-9	
Toluene	**<0.58**	ug/L	2.0	0.58	2		10/28/21 02:04	108-88-3	
Trichloroethene	**<0.64**	ug/L	2.0	0.64	2		10/28/21 02:04	79-01-6	
Trichlorofluoromethane	**<0.84**	ug/L	2.0	0.84	2		10/28/21 02:04	75-69-4	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		10/28/21 02:04	75-01-4	
Xylene (Total)	**<2.1**	ug/L	6.0	2.1	2		10/28/21 02:04	1330-20-7	
cis-1,2-Dichloroethene	**<0.94**	ug/L	2.0	0.94	2		10/28/21 02:04	156-59-2	
cis-1,3-Dichloropropene	**<0.72**	ug/L	2.0	0.72	2		10/28/21 02:04	10061-01-5	
n-Butylbenzene	**<1.7**	ug/L	2.0	1.7	2		10/28/21 02:04	104-51-8	
n-Propylbenzene	**1.8J**	ug/L	2.0	0.69	2		10/28/21 02:04	103-65-1	
p-Isopropyltoluene	**4.4J**	ug/L	10.0	2.1	2		10/28/21 02:04	99-87-6	
sec-Butylbenzene	**4.7**	ug/L	2.0	0.85	2		10/28/21 02:04	135-98-8	
tert-Butylbenzene	**1.2J**	ug/L	2.0	1.2	2		10/28/21 02:04	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	2.0	1.1	2		10/28/21 02:04	156-60-5	
trans-1,3-Dichloropropene	**<6.9**	ug/L	10.0	6.9	2		10/28/21 02:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		2		10/28/21 02:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		2		10/28/21 02:04	2199-69-1	
Toluene-d8 (S)	108	%	70-130		2		10/28/21 02:04	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.21**	Std. Units			1		10/19/21 12:15		
Field Specific Conductance	**338**	umhos/cm			1		10/19/21 12:15		
Oxygen, Dissolved	**0.17**	mg/L			1		10/19/21 12:15	7782-44-7	
REDOX	**-136.3**	mV			1		10/19/21 12:15		
Static Water Level	**643.49**	feet			1		10/19/21 12:15		
Temperature, Water (C)	**11.36**	deg C			1		10/19/21 12:15		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**0.99**	mg/L	0.50	0.085	1		11/03/21 16:10	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.50	0.085	1		11/03/21 16:10	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.50	0.085	1		11/03/21 16:10	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.50	0.085	1		11/03/21 16:10	7440-44-0	
Mean Total Organic Carbon	**1.1**	mg/L	0.50	0.085	1		11/03/21 16:10	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: PZ-6 **Lab ID: 40235666005** Collected: 10/19/21 11:50 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	10/27/21 06:22	10/27/21 20:34	7440-38-2	
Barium, Dissolved	**25.3**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:34	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	10/27/21 06:22	10/27/21 20:34	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	10/27/21 06:22	10/27/21 20:34	7440-48-4	
Iron, Dissolved	**<56.7**	ug/L	100	56.7	1	10/27/21 06:22	10/27/21 20:34	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	10/27/21 06:22	10/27/21 20:34	7439-92-1	
Manganese, Dissolved	**<1.5**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:34	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	10/27/21 06:22	10/27/21 20:34	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	11/04/21 12:00	11/05/21 09:16	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/28/21 01:26	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/28/21 01:26	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/28/21 01:26	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/28/21 01:26	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/28/21 01:26	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/28/21 01:26	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/28/21 01:26	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/28/21 01:26	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/28/21 01:26	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/28/21 01:26	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/28/21 01:26	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/28/21 01:26	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/28/21 01:26	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/28/21 01:26	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/28/21 01:26	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		10/28/21 01:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		10/28/21 01:26	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/28/21 01:26	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/28/21 01:26	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/28/21 01:26	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/28/21 01:26	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/28/21 01:26	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		10/28/21 01:26	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/28/21 01:26	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/28/21 01:26	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/28/21 01:26	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/28/21 01:26	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/28/21 01:26	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/28/21 01:26	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/28/21 01:26	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: PZ-6 **Lab ID: 40235666005** Collected: 10/19/21 11:50 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/28/21 01:26	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/28/21 01:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/28/21 01:26	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/28/21 01:26	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/28/21 01:26	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/28/21 01:26	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/28/21 01:26	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/28/21 01:26	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/28/21 01:26	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/28/21 01:26	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/28/21 01:26	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/28/21 01:26	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/28/21 01:26	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/28/21 01:26	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/28/21 01:26	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/28/21 01:26	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/28/21 01:26	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/28/21 01:26	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/28/21 01:26	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/28/21 01:26	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/28/21 01:26	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/28/21 01:26	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/28/21 01:26	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/28/21 01:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/28/21 01:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		10/28/21 01:26	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		10/28/21 01:26	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.26**	Std. Units			1		10/19/21 11:50		
Field Specific Conductance	**348**	umhos/cm			1		10/19/21 11:50		
Oxygen, Dissolved	**4.01**	mg/L			1		10/19/21 11:50	7782-44-7	
REDOX	**169.1**	mV			1		10/19/21 11:50		
Static Water Level	**643.39**	feet			1		10/19/21 11:50		
Temperature, Water (C)	**11.46**	deg C			1		10/19/21 11:50		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**0.77**	mg/L	0.50	0.085	1		11/03/21 16:31	7440-44-0	
Total Organic Carbon	**0.75**	mg/L	0.50	0.085	1		11/03/21 16:31	7440-44-0	
Total Organic Carbon	**0.76**	mg/L	0.50	0.085	1		11/03/21 16:31	7440-44-0	
Total Organic Carbon	**0.76**	mg/L	0.50	0.085	1		11/03/21 16:31	7440-44-0	
Mean Total Organic Carbon	**0.76**	mg/L	0.50	0.085	1		11/03/21 16:31	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-5S DUP **Lab ID: 40235666006** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	10/27/21 06:22	10/27/21 20:41	7440-38-2	
Barium, Dissolved	**266**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:41	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	10/27/21 06:22	10/27/21 20:41	7440-43-9	
Cobalt, Dissolved	**1.9J**	ug/L	5.0	1.4	1	10/27/21 06:22	10/27/21 20:41	7440-48-4	
Iron, Dissolved	**19500**	ug/L	100	56.7	1	10/27/21 06:22	10/27/21 20:41	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	10/27/21 06:22	10/27/21 20:41	7439-92-1	
Manganese, Dissolved	**1340**	ug/L	5.0	1.5	1	10/27/21 06:22	10/27/21 20:41	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	10/27/21 06:22	10/27/21 20:41	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	11/04/21 12:00	11/05/21 09:18	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<6.1**	ug/L	20.0	6.1	20		10/28/21 03:00	71-55-6	
1,1,2,2-Tetrachloroethane	**<7.6**	ug/L	20.0	7.6	20		10/28/21 03:00	79-34-5	
1,1,2-Trichloroethane	**<6.9**	ug/L	100	6.9	20		10/28/21 03:00	79-00-5	
1,1-Dichloroethane	**<5.9**	ug/L	20.0	5.9	20		10/28/21 03:00	75-34-3	
1,1-Dichloroethene	**<11.6**	ug/L	20.0	11.6	20		10/28/21 03:00	75-35-4	
1,2,4-Trimethylbenzene	**1350**	ug/L	20.0	9.0	20		10/28/21 03:00	95-63-6	
1,2-Dibromo-3-chloropropane	**<47.3**	ug/L	100	47.3	20		10/28/21 03:00	96-12-8	
1,2-Dibromoethane (EDB)	**<6.2**	ug/L	20.0	6.2	20		10/28/21 03:00	106-93-4	
1,2-Dichlorobenzene	**<6.5**	ug/L	20.0	6.5	20		10/28/21 03:00	95-50-1	
1,2-Dichloroethane	**<5.8**	ug/L	20.0	5.8	20		10/28/21 03:00	107-06-2	
1,2-Dichloropropane	**<9.0**	ug/L	20.0	9.0	20		10/28/21 03:00	78-87-5	
1,3,5-Trimethylbenzene	**<7.1**	ug/L	20.0	7.1	20		10/28/21 03:00	108-67-8	
1,3-Dichlorobenzene	**<7.0**	ug/L	20.0	7.0	20		10/28/21 03:00	541-73-1	
1,4-Dichlorobenzene	**<17.8**	ug/L	20.0	17.8	20		10/28/21 03:00	106-46-7	
2-Butanone (MEK)	**<130**	ug/L	500	130	20		10/28/21 03:00	78-93-3	
2-Hexanone	**<126**	ug/L	500	126	20		10/28/21 03:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<119**	ug/L	500	119	20		10/28/21 03:00	108-10-1	
Acetone	**<173**	ug/L	500	173	20		10/28/21 03:00	67-64-1	
Benzene	**<5.9**	ug/L	20.0	5.9	20		10/28/21 03:00	71-43-2	
Bromodichloromethane	**<8.3**	ug/L	20.0	8.3	20		10/28/21 03:00	75-27-4	
Bromoform	**<76.0**	ug/L	100	76.0	20		10/28/21 03:00	75-25-2	
Bromomethane	**<23.8**	ug/L	100	23.8	20		10/28/21 03:00	74-83-9	
Carbon disulfide	**<22.0**	ug/L	100	22.0	20		10/28/21 03:00	75-15-0	
Carbon tetrachloride	**<7.4**	ug/L	20.0	7.4	20		10/28/21 03:00	56-23-5	
Chlorobenzene	**<17.1**	ug/L	20.0	17.1	20		10/28/21 03:00	108-90-7	
Chloroethane	**<27.6**	ug/L	100	27.6	20		10/28/21 03:00	75-00-3	
Chloroform	**<23.7**	ug/L	100	23.7	20		10/28/21 03:00	67-66-3	
Chloromethane	**<32.7**	ug/L	100	32.7	20		10/28/21 03:00	74-87-3	
Dibromochloromethane	**<52.9**	ug/L	100	52.9	20		10/28/21 03:00	124-48-1	
Dibromomethane	**<19.8**	ug/L	100	19.8	20		10/28/21 03:00	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-5S DUP **Lab ID: 40235666006** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<9.1**	ug/L	100	9.1	20		10/28/21 03:00	75-71-8	
Ethylbenzene	**<6.5**	ug/L	20.0	6.5	20		10/28/21 03:00	100-41-4	
Hexachloro-1,3-butadiene	**<54.7**	ug/L	100	54.7	20		10/28/21 03:00	87-68-3	
Isopropylbenzene (Cumene)	**38.1J**	ug/L	100	20.0	20		10/28/21 03:00	98-82-8	
Methyl-tert-butyl ether	**<22.6**	ug/L	100	22.6	20		10/28/21 03:00	1634-04-4	
Methylene Chloride	**<6.4**	ug/L	100	6.4	20		10/28/21 03:00	75-09-2	
Naphthalene	**27.5J**	ug/L	100	22.6	20		10/28/21 03:00	91-20-3	
Styrene	**<7.1**	ug/L	20.0	7.1	20		10/28/21 03:00	100-42-5	
Tetrachloroethene	**<8.2**	ug/L	20.0	8.2	20		10/28/21 03:00	127-18-4	
Tetrahydrofuran	**<48.4**	ug/L	500	48.4	20		10/28/21 03:00	109-99-9	
Toluene	**<5.8**	ug/L	20.0	5.8	20		10/28/21 03:00	108-88-3	
Trichloroethene	**<6.4**	ug/L	20.0	6.4	20		10/28/21 03:00	79-01-6	
Trichlorofluoromethane	**<8.4**	ug/L	20.0	8.4	20		10/28/21 03:00	75-69-4	
Vinyl chloride	**<3.5**	ug/L	20.0	3.5	20		10/28/21 03:00	75-01-4	
Xylene (Total)	**<21.0**	ug/L	60.0	21.0	20		10/28/21 03:00	1330-20-7	
cis-1,2-Dichloroethene	**<9.4**	ug/L	20.0	9.4	20		10/28/21 03:00	156-59-2	
cis-1,3-Dichloropropene	**<7.2**	ug/L	20.0	7.2	20		10/28/21 03:00	10061-01-5	
n-Butylbenzene	**<17.1**	ug/L	20.0	17.1	20		10/28/21 03:00	104-51-8	
n-Propylbenzene	**88.2**	ug/L	20.0	6.9	20		10/28/21 03:00	103-65-1	
p-Isopropyltoluene	**<20.9**	ug/L	100	20.9	20		10/28/21 03:00	99-87-6	
sec-Butylbenzene	**10.7J**	ug/L	20.0	8.5	20		10/28/21 03:00	135-98-8	
tert-Butylbenzene	**15.3J**	ug/L	20.0	11.7	20		10/28/21 03:00	98-06-6	
trans-1,2-Dichloroethene	**<10.6**	ug/L	20.0	10.6	20		10/28/21 03:00	156-60-5	
trans-1,3-Dichloropropene	**<69.2**	ug/L	100	69.2	20		10/28/21 03:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		20		10/28/21 03:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		20		10/28/21 03:00	2199-69-1	
Toluene-d8 (S)	107	%	70-130		20		10/28/21 03:00	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**6.66**	Std. Units			1		10/19/21 00:00		
Field Specific Conductance	**444**	umhos/cm			1		10/19/21 00:00		
Oxygen, Dissolved	**0.09**	mg/L			1		10/19/21 00:00	7782-44-7	
REDOX	**-179.3**	mV			1		10/19/21 00:00		
Static Water Level	**643.53**	feet			1		10/19/21 00:00		
Temperature, Water (C)	**13.06**	deg C			1		10/19/21 00:00		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.5**	mg/L	0.50	0.085	1		11/03/21 16:52	7440-44-0	
Total Organic Carbon	**4.7**	mg/L	0.50	0.085	1		11/03/21 16:52	7440-44-0	
Total Organic Carbon	**5.0**	mg/L	0.50	0.085	1		11/03/21 16:52	7440-44-0	
Total Organic Carbon	**5.1**	mg/L	0.50	0.085	1		11/03/21 16:52	7440-44-0	
Mean Total Organic Carbon	**4.8**	mg/L	0.50	0.085	1		11/03/21 16:52	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: TRIP BLANK **Lab ID: 40235666007** Collected: 10/19/21 11:45 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/26/21 22:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/26/21 22:43	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/26/21 22:43	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/26/21 22:43	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/26/21 22:43	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/26/21 22:43	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/26/21 22:43	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/26/21 22:43	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/26/21 22:43	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/26/21 22:43	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/26/21 22:43	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/26/21 22:43	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/26/21 22:43	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/26/21 22:43	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/26/21 22:43	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		10/26/21 22:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		10/26/21 22:43	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/26/21 22:43	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/26/21 22:43	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/26/21 22:43	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/26/21 22:43	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/26/21 22:43	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		10/26/21 22:43	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/26/21 22:43	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/26/21 22:43	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/26/21 22:43	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/26/21 22:43	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/26/21 22:43	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/26/21 22:43	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/26/21 22:43	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/26/21 22:43	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/26/21 22:43	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/26/21 22:43	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/26/21 22:43	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/26/21 22:43	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/26/21 22:43	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/26/21 22:43	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/26/21 22:43	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/26/21 22:43	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/26/21 22:43	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/26/21 22:43	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/26/21 22:43	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/26/21 22:43	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/26/21 22:43	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/26/21 22:43	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: TRIP BLANK **Lab ID: 40235666007** Collected: 10/19/21 11:45 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/26/21 22:43	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/26/21 22:43	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/26/21 22:43	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/26/21 22:43	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/26/21 22:43	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/26/21 22:43	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/26/21 22:43	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/26/21 22:43	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/26/21 22:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		10/26/21 22:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		10/26/21 22:43	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		10/26/21 22:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-1SR **Lab ID: 40235666008** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.77**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-2M **Lab ID: 40235666009** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.69**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-2S **Lab ID: 40235666010** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.72**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-6M **Lab ID: 40235666011** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.31**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-6S **Lab ID: 40235666012** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.29**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-7M **Lab ID: 40235666013** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.43**	feet			1		10/19/21 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-8M **Lab ID: 40235666014** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.34**	feet			1		10/19/21 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-8S **Lab ID: 40235666015** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.33**	feet			1		10/19/21 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-9M **Lab ID: 40235666016** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.18**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-10M **Lab ID: 40235666017** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.18**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-11M **Lab ID: 40235666018** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.30**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-12S **Lab ID: 40235666019** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.39**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-14S **Lab ID: 40235666020** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.54**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-15M **Lab ID: 40235666021** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.29**	feet			1		10/19/21 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-16S **Lab ID: 40235666022** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.42**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-16M **Lab ID: 40235666023** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.44**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: MW-17M **Lab ID: 40235666024** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.57**	feet			1		10/19/21 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: PZ-1 **Lab ID: 40235666025** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.45**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: PZ-2 **Lab ID: 40235666026** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.28**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: PZ-3 **Lab ID: 40235666027** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.56**	feet			1		10/19/21 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Sample: PZ-4 **Lab ID: 40235666028** Collected: 10/19/21 00:00 Received: 10/22/21 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**643.34**	feet			1		10/19/21 00:00		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

QC Batch: 400695 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

METHOD BLANK: 2313583 Matrix: Water
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	11/05/21 08:53	

LABORATORY CONTROL SAMPLE: 2313584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2313585 2313586

Parameter	Units	40235666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.066	5	5	5.0	4.8	100	95	85-115	5	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

QC Batch: 399750
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

METHOD BLANK: 2308224 Matrix: Water
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<8.3	25.0	10/27/21 20:05	
Barium, Dissolved	ug/L	<1.5	5.0	10/27/21 20:05	
Cadmium, Dissolved	ug/L	<1.3	5.0	10/27/21 20:05	
Cobalt, Dissolved	ug/L	<1.4	5.0	10/27/21 20:05	
Iron, Dissolved	ug/L	<56.7	100	10/27/21 20:05	
Lead, Dissolved	ug/L	<5.9	20.0	10/27/21 20:05	
Manganese, Dissolved	ug/L	<1.5	5.0	10/27/21 20:05	
Vanadium, Dissolved	ug/L	<2.6	10.0	10/27/21 20:05	

LABORATORY CONTROL SAMPLE: 2308225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	250	253	101	80-120	
Barium, Dissolved	ug/L	250	270	108	80-120	
Cadmium, Dissolved	ug/L	250	254	102	80-120	
Cobalt, Dissolved	ug/L	250	257	103	80-120	
Iron, Dissolved	ug/L	10000	9710	97	80-120	
Lead, Dissolved	ug/L	250	256	102	80-120	
Manganese, Dissolved	ug/L	250	248	99	80-120	
Vanadium, Dissolved	ug/L	250	252	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2308226 2308227

Parameter	Units	40235666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	<8.3	250	250	264	258	102	100	75-125	2	20	
Barium, Dissolved	ug/L	266	250	250	535	539	108	109	75-125	1	20	
Cadmium, Dissolved	ug/L	<1.3	250	250	258	257	103	103	75-125	0	20	
Cobalt, Dissolved	ug/L	<1.4	250	250	258	257	103	103	75-125	0	20	
Iron, Dissolved	ug/L	8960	10000	10000	18600	18700	97	97	75-125	0	20	
Lead, Dissolved	ug/L	<5.9	250	250	262	262	104	103	75-125	0	20	
Manganese, Dissolved	ug/L	822	250	250	1090	1090	106	108	75-125	0	20	
Vanadium, Dissolved	ug/L	<2.6	250	250	257	258	103	103	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

QC Batch: 399520
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

METHOD BLANK: 2306970 Matrix: Water
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/27/21 16:27	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/27/21 16:27	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/27/21 16:27	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/27/21 16:27	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/27/21 16:27	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/27/21 16:27	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/27/21 16:27	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/27/21 16:27	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/27/21 16:27	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/27/21 16:27	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/27/21 16:27	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/27/21 16:27	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/27/21 16:27	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/27/21 16:27	
2-Butanone (MEK)	ug/L	<6.5	25.0	10/27/21 16:27	
2-Hexanone	ug/L	<6.3	25.0	10/27/21 16:27	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	10/27/21 16:27	
Acetone	ug/L	<8.6	25.0	10/27/21 16:27	
Benzene	ug/L	<0.30	1.0	10/27/21 16:27	
Bromodichloromethane	ug/L	<0.42	1.0	10/27/21 16:27	
Bromoform	ug/L	<3.8	5.0	10/27/21 16:27	
Bromomethane	ug/L	<1.2	5.0	10/27/21 16:27	
Carbon disulfide	ug/L	<1.1	5.0	10/27/21 16:27	
Carbon tetrachloride	ug/L	<0.37	1.0	10/27/21 16:27	
Chlorobenzene	ug/L	<0.86	1.0	10/27/21 16:27	
Chloroethane	ug/L	<1.4	5.0	10/27/21 16:27	
Chloroform	ug/L	<1.2	5.0	10/27/21 16:27	
Chloromethane	ug/L	<1.6	5.0	10/27/21 16:27	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/27/21 16:27	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/27/21 16:27	
Dibromochloromethane	ug/L	<2.6	5.0	10/27/21 16:27	
Dibromomethane	ug/L	<0.99	5.0	10/27/21 16:27	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/27/21 16:27	
Ethylbenzene	ug/L	<0.33	1.0	10/27/21 16:27	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/27/21 16:27	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/27/21 16:27	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/27/21 16:27	
Methylene Chloride	ug/L	<0.32	5.0	10/27/21 16:27	
n-Butylbenzene	ug/L	<0.86	1.0	10/27/21 16:27	
n-Propylbenzene	ug/L	<0.35	1.0	10/27/21 16:27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

METHOD BLANK: 2306970 Matrix: Water
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Naphthalene	ug/L	<1.1	5.0	10/27/21 16:27	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/27/21 16:27	
sec-Butylbenzene	ug/L	<0.42	1.0	10/27/21 16:27	
Styrene	ug/L	<0.36	1.0	10/27/21 16:27	
tert-Butylbenzene	ug/L	<0.59	1.0	10/27/21 16:27	
Tetrachloroethene	ug/L	<0.41	1.0	10/27/21 16:27	
Tetrahydrofuran	ug/L	<2.4	25.0	10/27/21 16:27	
Toluene	ug/L	<0.29	1.0	10/27/21 16:27	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/27/21 16:27	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/27/21 16:27	
Trichloroethene	ug/L	<0.32	1.0	10/27/21 16:27	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/27/21 16:27	
Vinyl chloride	ug/L	<0.17	1.0	10/27/21 16:27	
Xylene (Total)	ug/L	<1.0	3.0	10/27/21 16:27	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	10/27/21 16:27	
4-Bromofluorobenzene (S)	%	103	70-130	10/27/21 16:27	
Toluene-d8 (S)	%	108	70-130	10/27/21 16:27	

LABORATORY CONTROL SAMPLE: 2306971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.5	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	66-130	
1,1,2-Trichloroethane	ug/L	50	55.4	111	70-130	
1,1-Dichloroethane	ug/L	50	53.3	107	68-132	
1,1-Dichloroethene	ug/L	50	58.1	116	85-126	
1,2-Dibromo-3-chloropropane	ug/L	50	47.0	94	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	47.8	96	70-130	
1,2-Dichlorobenzene	ug/L	50	45.2	90	70-130	
1,2-Dichloroethane	ug/L	50	52.9	106	70-130	
1,2-Dichloropropane	ug/L	50	52.1	104	78-125	
1,3-Dichlorobenzene	ug/L	50	44.1	88	70-130	
1,4-Dichlorobenzene	ug/L	50	45.9	92	70-130	
Benzene	ug/L	50	52.6	105	70-132	
Bromodichloromethane	ug/L	50	48.8	98	70-130	
Bromoform	ug/L	50	51.8	104	65-130	
Bromomethane	ug/L	50	49.0	98	44-128	
Carbon disulfide	ug/L	50	59.8	120	60-140	
Carbon tetrachloride	ug/L	50	48.0	96	70-130	
Chlorobenzene	ug/L	50	49.5	99	70-130	
Chloroethane	ug/L	50	59.5	119	73-137	
Chloroform	ug/L	50	55.0	110	80-122	
Chloromethane	ug/L	50	33.8	68	27-148	
cis-1,2-Dichloroethene	ug/L	50	45.5	91	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

LABORATORY CONTROL SAMPLE: 2306971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	49.5	99	70-130	
Dibromochloromethane	ug/L	50	44.5	89	70-130	
Dichlorodifluoromethane	ug/L	50	19.0	38	22-151	
Ethylbenzene	ug/L	50	55.8	112	80-123	
Isopropylbenzene (Cumene)	ug/L	50	57.6	115	70-130	
Methyl-tert-butyl ether	ug/L	50	47.7	95	66-130	
Methylene Chloride	ug/L	50	51.8	104	70-130	
Styrene	ug/L	50	57.5	115	70-130	
Tetrachloroethene	ug/L	50	48.6	97	70-130	
Toluene	ug/L	50	53.9	108	80-121	
trans-1,2-Dichloroethene	ug/L	50	45.9	92	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	58-125	
Trichloroethene	ug/L	50	47.1	94	70-130	
Trichlorofluoromethane	ug/L	50	55.0	110	84-148	
Vinyl chloride	ug/L	50	49.0	98	63-142	
Xylene (Total)	ug/L	150	164	109	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			110	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2308533 2308534

Parameter	Units	40235672001 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	<0.30	50	50	49.5	47.8	99	96	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	52.1	51.6	104	103	66-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	54.3	52.6	109	105	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	54.1	52.6	108	105	68-132	3	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	59.4	58.9	119	118	76-132	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	50.0	51.5	100	103	51-126	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	47.8	45.8	96	92	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	45.9	46.4	92	93	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	54.0	50.1	108	100	70-130	7	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	52.1	51.5	104	103	77-125	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	45.1	43.9	90	88	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	46.1	46.0	92	92	70-130	0	20	
Benzene	ug/L	<0.30	50	50	52.7	50.6	105	101	70-132	4	20	
Bromodichloromethane	ug/L	<0.42	50	50	49.3	48.9	99	98	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	48.7	50.3	97	101	65-130	3	20	
Bromomethane	ug/L	<1.2	50	50	52.6	50.7	105	101	44-128	4	21	
Carbon disulfide	ug/L	<1.1	50	50	61.5	59.4	123	119	60-140	3	20	
Carbon tetrachloride	ug/L	<0.37	50	50	47.7	45.1	95	90	70-132	5	20	
Chlorobenzene	ug/L	<0.86	50	50	47.7	48.2	95	96	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	61.2	58.4	122	117	70-137	5	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2308533 2308534

Parameter	Units	40235672001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloroform	ug/L	<1.2	50	50	54.0	53.0	108	106	80-122	2	20	
Chloromethane	ug/L	<1.6	50	50	36.7	34.7	73	69	17-149	5	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	45.7	43.7	91	87	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	49.8	48.8	100	98	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	44.2	43.3	88	87	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	21.2	20.1	42	40	22-158	5	20	
Ethylbenzene	ug/L	<0.33	50	50	54.2	53.8	108	108	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	55.3	55.5	111	111	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.7	48.3	99	97	66-130	3	20	
Methylene Chloride	ug/L	<0.32	50	50	52.0	51.0	104	102	70-130	2	20	
Styrene	ug/L	<0.36	50	50	57.3	56.1	115	112	70-130	2	20	
Tetrachloroethene	ug/L	<0.41	50	50	47.6	47.4	95	95	70-130	0	20	
Toluene	ug/L	<0.29	50	50	52.7	52.0	105	104	80-121	1	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.6	46.6	97	93	70-134	4	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	54.4	51.9	109	104	58-130	5	20	
Trichloroethene	ug/L	<0.32	50	50	47.8	45.9	96	92	70-130	4	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	55.8	52.9	112	106	82-151	5	20	
Vinyl chloride	ug/L	<0.17	50	50	51.0	48.7	102	97	61-143	5	20	
Xylene (Total)	ug/L	<1.0	150	150	160	158	106	105	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						99	100	70-130			
4-Bromofluorobenzene (S)	%						106	108	70-130			
Toluene-d8 (S)	%						108	110	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

QC Batch: 399589
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40235666007

METHOD BLANK: 2307303 Matrix: Water
Associated Lab Samples: 40235666007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/26/21 14:40	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/26/21 14:40	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/26/21 14:40	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/26/21 14:40	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/26/21 14:40	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/26/21 14:40	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/26/21 14:40	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/26/21 14:40	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/26/21 14:40	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/26/21 14:40	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/26/21 14:40	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/26/21 14:40	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/26/21 14:40	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/26/21 14:40	
2-Butanone (MEK)	ug/L	<6.5	25.0	10/26/21 14:40	
2-Hexanone	ug/L	<6.3	25.0	10/26/21 14:40	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	10/26/21 14:40	
Acetone	ug/L	<8.6	25.0	10/26/21 14:40	
Benzene	ug/L	<0.30	1.0	10/26/21 14:40	
Bromodichloromethane	ug/L	<0.42	1.0	10/26/21 14:40	
Bromoform	ug/L	<3.8	5.0	10/26/21 14:40	
Bromomethane	ug/L	<1.2	5.0	10/26/21 14:40	
Carbon disulfide	ug/L	<1.1	5.0	10/26/21 14:40	
Carbon tetrachloride	ug/L	<0.37	1.0	10/26/21 14:40	
Chlorobenzene	ug/L	<0.86	1.0	10/26/21 14:40	
Chloroethane	ug/L	<1.4	5.0	10/26/21 14:40	
Chloroform	ug/L	<1.2	5.0	10/26/21 14:40	
Chloromethane	ug/L	<1.6	5.0	10/26/21 14:40	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/26/21 14:40	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/26/21 14:40	
Dibromochloromethane	ug/L	<2.6	5.0	10/26/21 14:40	
Dibromomethane	ug/L	<0.99	5.0	10/26/21 14:40	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/26/21 14:40	
Ethylbenzene	ug/L	<0.33	1.0	10/26/21 14:40	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/26/21 14:40	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/26/21 14:40	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/26/21 14:40	
Methylene Chloride	ug/L	<0.32	5.0	10/26/21 14:40	
n-Butylbenzene	ug/L	<0.86	1.0	10/26/21 14:40	
n-Propylbenzene	ug/L	<0.35	1.0	10/26/21 14:40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

METHOD BLANK: 2307303 Matrix: Water
Associated Lab Samples: 40235666007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Naphthalene	ug/L	<1.1	5.0	10/26/21 14:40	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/26/21 14:40	
sec-Butylbenzene	ug/L	<0.42	1.0	10/26/21 14:40	
Styrene	ug/L	<0.36	1.0	10/26/21 14:40	
tert-Butylbenzene	ug/L	<0.59	1.0	10/26/21 14:40	
Tetrachloroethene	ug/L	<0.41	1.0	10/26/21 14:40	
Tetrahydrofuran	ug/L	<2.4	25.0	10/26/21 14:40	
Toluene	ug/L	<0.29	1.0	10/26/21 14:40	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/26/21 14:40	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/26/21 14:40	
Trichloroethene	ug/L	<0.32	1.0	10/26/21 14:40	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/26/21 14:40	
Vinyl chloride	ug/L	<0.17	1.0	10/26/21 14:40	
Xylene (Total)	ug/L	<1.0	3.0	10/26/21 14:40	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	10/26/21 14:40	
4-Bromofluorobenzene (S)	%	104	70-130	10/26/21 14:40	
Toluene-d8 (S)	%	106	70-130	10/26/21 14:40	

LABORATORY CONTROL SAMPLE: 2307304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.1	104	66-130	
1,1,2-Trichloroethane	ug/L	50	56.4	113	70-130	
1,1-Dichloroethane	ug/L	50	55.5	111	68-132	
1,1-Dichloroethene	ug/L	50	60.1	120	85-126	
1,2-Dibromo-3-chloropropane	ug/L	50	47.9	96	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	48.3	97	70-130	
1,2-Dichlorobenzene	ug/L	50	45.0	90	70-130	
1,2-Dichloroethane	ug/L	50	54.0	108	70-130	
1,2-Dichloropropane	ug/L	50	51.9	104	78-125	
1,3-Dichlorobenzene	ug/L	50	43.6	87	70-130	
1,4-Dichlorobenzene	ug/L	50	46.7	93	70-130	
Benzene	ug/L	50	53.5	107	70-132	
Bromodichloromethane	ug/L	50	51.8	104	70-130	
Bromoform	ug/L	50	50.0	100	65-130	
Bromomethane	ug/L	50	50.2	100	44-128	
Carbon disulfide	ug/L	50	62.5	125	60-140	
Carbon tetrachloride	ug/L	50	49.3	99	70-130	
Chlorobenzene	ug/L	50	50.3	101	70-130	
Chloroethane	ug/L	50	60.7	121	73-137	
Chloroform	ug/L	50	57.0	114	80-122	
Chloromethane	ug/L	50	36.0	72	27-148	
cis-1,2-Dichloroethene	ug/L	50	45.0	90	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

LABORATORY CONTROL SAMPLE: 2307304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	50.4	101	70-130	
Dibromochloromethane	ug/L	50	45.2	90	70-130	
Dichlorodifluoromethane	ug/L	50	18.1	36	22-151	
Ethylbenzene	ug/L	50	55.8	112	80-123	
Isopropylbenzene (Cumene)	ug/L	50	56.2	112	70-130	
Methyl-tert-butyl ether	ug/L	50	48.7	97	66-130	
Methylene Chloride	ug/L	50	54.1	108	70-130	
Styrene	ug/L	50	58.9	118	70-130	
Tetrachloroethene	ug/L	50	48.4	97	70-130	
Toluene	ug/L	50	53.8	108	80-121	
trans-1,2-Dichloroethene	ug/L	50	49.1	98	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.3	107	58-125	
Trichloroethene	ug/L	50	47.5	95	70-130	
Trichlorofluoromethane	ug/L	50	57.1	114	84-148	
Vinyl chloride	ug/L	50	49.0	98	63-142	
Xylene (Total)	ug/L	150	165	110	70-130	
1,2-Dichlorobenzene-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			109	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2307745 2307746

Parameter	Units	40235726001 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	<0.30	50	50	50.9	51.6	102	103	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	53.8	50.9	108	102	66-130	5	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	56.9	53.9	114	108	70-130	5	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	55.5	55.4	111	111	68-132	0	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	61.1	61.0	122	122	76-132	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	49.2	45.3	98	91	51-126	8	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	50.6	46.7	101	93	70-130	8	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	47.7	46.0	95	92	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	55.2	53.3	110	107	70-130	3	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	52.1	51.5	104	103	77-125	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	46.1	44.5	92	89	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	48.1	46.0	96	92	70-130	4	20	
Benzene	ug/L	<0.30	50	50	53.7	53.1	107	106	70-132	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.3	51.3	103	103	70-130	0	20	
Bromoform	ug/L	<3.8	50	50	51.5	48.7	103	97	65-130	6	20	
Bromomethane	ug/L	<1.2	50	50	52.6	51.7	105	103	44-128	2	21	
Carbon disulfide	ug/L	<1.1	50	50	63.2	63.3	126	127	60-140	0	20	
Carbon tetrachloride	ug/L	<0.37	50	50	49.5	49.3	99	99	70-132	0	20	
Chlorobenzene	ug/L	<0.86	50	50	50.9	49.8	102	100	70-130	2	20	
Chloroethane	ug/L	<1.4	50	50	61.6	61.2	123	122	70-137	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2307745 2307746

Parameter	Units	40235726001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloroform	ug/L	<1.2	50	50	56.0	56.4	112	113	80-122	1	20	
Chloromethane	ug/L	<1.6	50	50	35.7	36.4	71	73	17-149	2	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	46.7	45.6	93	91	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	50.6	49.1	101	98	70-130	3	20	
Dibromochloromethane	ug/L	<2.6	50	50	47.6	44.4	95	89	70-130	7	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	18.8	20.0	38	40	22-158	6	20	
Ethylbenzene	ug/L	<0.33	50	50	56.9	56.4	114	113	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	58.3	57.2	117	114	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	50.2	48.1	100	96	66-130	4	20	
Methylene Chloride	ug/L	<0.32	50	50	53.8	52.7	108	105	70-130	2	20	
Styrene	ug/L	<0.36	50	50	59.7	58.2	119	116	70-130	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	48.8	47.6	98	95	70-130	3	20	
Toluene	ug/L	<0.29	50	50	54.9	54.8	110	110	80-121	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.0	49.2	96	98	70-134	2	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	55.1	52.0	110	104	58-130	6	20	
Trichloroethene	ug/L	<0.32	50	50	48.3	47.2	97	94	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	57.0	57.2	114	114	82-151	0	20	
Vinyl chloride	ug/L	<0.17	50	50	52.0	51.6	104	103	61-143	1	20	
Xylene (Total)	ug/L	<1.0	150	150	167	163	111	109	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						98	99	70-130			
4-Bromofluorobenzene (S)	%						109	108	70-130			
Toluene-d8 (S)	%						111	109	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

QC Batch: 400454
QC Batch Method: EPA 9060
Analysis Method: EPA 9060
Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

METHOD BLANK: 2312682 Matrix: Water
Associated Lab Samples: 40235666001, 40235666002, 40235666003, 40235666004, 40235666005, 40235666006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.085	0.50	11/03/21 13:32	
Total Organic Carbon	mg/L	<0.085	0.50	11/03/21 13:32	
Total Organic Carbon	mg/L	<0.085	0.50	11/03/21 13:32	
Total Organic Carbon	mg/L	<0.085	0.50	11/03/21 13:32	
Total Organic Carbon	mg/L	<0.085	0.50	11/03/21 13:32	

LABORATORY CONTROL SAMPLE: 2312683

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	12.5	13.3	106	80-120	
Total Organic Carbon	mg/L	12.5	13.3	106		
Total Organic Carbon	mg/L	12.5	13.2	106		
Total Organic Carbon	mg/L	12.5	13.3	106		
Total Organic Carbon	mg/L	12.5	13.4	107		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2312684 2312685

Parameter	Units	40235666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	1.8	6	6	7.9	8.0	103	104	80-120	1	20	
Total Organic Carbon	mg/L	1.7	6	6	7.7	8.0	100	104		3		
Total Organic Carbon	mg/L	1.8	6	6	8.1	8.1	104	105		1		
Total Organic Carbon	mg/L	1.7	6	6	7.8	7.9	103	104		1		
Total Organic Carbon	mg/L	1.8	6	6	8.1	8.1	106	105		1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2312686 2312687

Parameter	Units	40236023001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	5.4	6	6	11.7	11.8	105	107	80-120	1	20	
Total Organic Carbon	mg/L	5.3	6	6	11.7	11.7	106	106		0		
Total Organic Carbon	mg/L	5.6	6	6	11.7	12.0	102	107		2		
Total Organic Carbon	mg/L	5.3	6	6	11.7	11.8	107	108		1		
Total Organic Carbon	mg/L	5.5	6	6	11.9	11.9	106	106		0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235666001	MW-4S	EPA 3010A	399750	EPA 6010D	399841
40235666002	MW-5S	EPA 3010A	399750	EPA 6010D	399841
40235666003	MW-17S	EPA 3010A	399750	EPA 6010D	399841
40235666004	PZ-5	EPA 3010A	399750	EPA 6010D	399841
40235666005	PZ-6	EPA 3010A	399750	EPA 6010D	399841
40235666006	MW-5S DUP	EPA 3010A	399750	EPA 6010D	399841
40235666001	MW-4S	EPA 7470	400695	EPA 7470	400749
40235666002	MW-5S	EPA 7470	400695	EPA 7470	400749
40235666003	MW-17S	EPA 7470	400695	EPA 7470	400749
40235666004	PZ-5	EPA 7470	400695	EPA 7470	400749
40235666005	PZ-6	EPA 7470	400695	EPA 7470	400749
40235666006	MW-5S DUP	EPA 7470	400695	EPA 7470	400749
40235666001	MW-4S	EPA 8260	399520		
40235666002	MW-5S	EPA 8260	399520		
40235666003	MW-17S	EPA 8260	399520		
40235666004	PZ-5	EPA 8260	399520		
40235666005	PZ-6	EPA 8260	399520		
40235666006	MW-5S DUP	EPA 8260	399520		
40235666007	TRIP BLANK	EPA 8260	399589		
40235666001	MW-4S				
40235666002	MW-5S				
40235666003	MW-17S				
40235666004	PZ-5				
40235666005	PZ-6				
40235666006	MW-5S DUP				
40235666008	MW-1SR				
40235666009	MW-2M				
40235666010	MW-2S				
40235666011	MW-6M				
40235666012	MW-6S				
40235666013	MW-7M				
40235666014	MW-8M				
40235666015	MW-8S				
40235666016	MW-9M				
40235666017	MW-10M				
40235666018	MW-11M				
40235666019	MW-12S				
40235666020	MW-14S				
40235666021	MW-15M				
40235666022	MW-16S				
40235666023	MW-16M				
40235666024	MW-17M				
40235666025	PZ-1				
40235666026	PZ-2				
40235666027	PZ-3				
40235666028	PZ-4				

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40235666

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235666001	**MW-4S**	EPA 9060	400454		
40235666002	**MW-5S**	EPA 9060	400454		
40235666003	**MW-17S**	EPA 9060	400454		
40235666004	**PZ-5**	EPA 9060	400454		
40235666005	**PZ-6**	EPA 9060	400454		
40235666006	**MW-5S DUP**	EPA 9060	400454		

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

Page of

COC No. 40235666

Pace Analytical®
www.pacelabs.com

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:	The OS Group LLC
Branch/Location:	LaCrosse WI
Project Contact:	Steven Osesek
Phone:	608-433-9388
Project Number:	
Project Name:	Town of Onalaska Landfill
Project State:	WI
Sampled By (Print):	Steven Osesek
Sampled By (Sign):	Steven Osesk
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Steven Osesek
Mail To Company:	The OS Group LLC
Mail To Address:	444 21st St S LaCrosse, WI 54601
Invoice To Contact:	Steven Osesek
Invoice To Company:	The OS Group LLC
Invoice To Address:	444 21st St S LaCrosse, WI 54601
Invoice To Phone:	608-433-9388

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
Sl = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: VOCs 8260	Metals, Diss* 6010/7470	Alkalinity 310.2	TOC 9060	Metals, Total* 6010/7470	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	FILTERED? (YES/NO)				Y/N: N	Y	N	N	N			
	PRESERVATION (CODE)*				Pick Letter: B	D	A	C	D			
001	MW-4S	10-19-21	3:10	GW	X	X		X				
002	MW-5S		1:35		X	X		X		Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg		
003	MW-17S		1:10		X	X		X				
004	PZ-5		12:15		X	X		X				
005	PZ-6		11:50		X	X		X				
006	Dup		—		X	X		X				
007	Trip Blank		11:45		X	X		X				

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time:	Received By:	Date/Time:	PACE Project No.
Transmit Prelim Rush Results by (complete what you want):	Steven Osesk	10/20/21			40235666
Email #1:	Relinquished By: Fedex	Date/Time: 10/22/21 1050	Received By: Max Kell	Date/Time: 10/22/21 1050	Receipt Temp = 2.1 °C
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH OK / Adjusted
Telephone:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Cooler Custody Seal Present / Not Present Intact / Not Intact
Fax:	Relinquished By:	Date/Time:	Received By:	Date/Time:	

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

Version 6.0 06/14/06

C019a(27Jun2006)

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

Sample Preservation Receipt Form

Client Name: The OS group Project # 60235666

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

Lab Lot# of pH paper: 10b2104 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	Vials: VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: 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				2								1					3													X		2.5 / 5 / 10
002				2								1					3													X		2.5 / 5 / 10
003				2								1					3													X		2.5 / 5 / 10
004				2								1					3													X		2.5 / 5 / 10
005				2								1					3													X		2.5 / 5 / 10
006				2								1			MP 10/22/21		2 (3)													X		2.5 / 5 / 10
007															MP 10/22/21		3 (2)															2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																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

10/22/21 1440

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40235666

Client Name: The OS Group

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

Tracking #: 2852 1498 7930/2852 1498 7941

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 - 114 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2/1.5 Corr: 2.1/1.6

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

Person examining contents: Date: 10/22/21 Initials: MP

Labeled By Initials: EPP

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☐Yes	☒No	☐N/A	2. pg#1/proj# 10122121mp
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
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. 003 11:15 11
-Includes date/time/ID/Analysis Matrix: W				
Trip Blank Present:	(☒)Yes	☐No	☒N/A	13. 10122121mp
Trip Blank Custody Seals Present 10/22/21 mp	☒Yes	(☒)No	☐N/A	
Pace Trip Blank Lot # (if purchased):				

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

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Page 2 of 2

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

June 02, 2022

Steve Osesek
The OS Group, LLC
N6746 McCurdy Road
Holmen, WI 54636

RE: Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Dear Steve Osesek:

Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: John Storlie, The OS Group, LLC

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

CERTIFICATIONS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Pace Analytical Services Green Bay
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

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

SAMPLE SUMMARY

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244176001	**MW-1SR**	Water	04/27/22 14:01	04/29/22 11:30
40244176002	**MW-2S**	Water	04/27/22 13:09	04/29/22 11:30
40244176003	**MW-2M**	Water	04/27/22 12:39	04/29/22 11:30
40244176004	**MW-4S**	Water	04/26/22 16:21	04/29/22 11:30
40244176005	**MW-5S**	Water	04/25/22 15:52	04/29/22 11:30
40244176006	**MW-6S**	Water	04/26/22 13:06	04/29/22 11:30
40244176007	**MW-6M**	Water	04/26/22 13:29	04/29/22 11:30
40244176008	**MW-7M**	Water	04/25/22 13:37	04/29/22 11:30
40244176009	**MW-8S**	Water	04/28/22 12:06	04/29/22 11:30
40244176010	**MW-8M**	Water	04/28/22 12:28	04/29/22 11:30
40244176011	**MW-9M**	Water	04/28/22 11:25	04/29/22 11:30
40244176012	**MW-10M**	Water	04/26/22 15:33	04/29/22 11:30
40244176013	**MW-11M**	Water	04/28/22 10:42	04/29/22 11:30
40244176014	**MW-12S**	Water	04/25/22 12:53	04/29/22 11:30
40244176015	**MW-14S**	Water	04/27/22 11:12	04/29/22 11:30
40244176016	**MW-15M**	Water	04/26/22 12:13	04/29/22 11:30
40244176017	**MW-16S**	Water	04/27/22 15:05	04/29/22 11:30
40244176018	**MW-16M**	Water	04/27/22 14:40	04/29/22 11:30
40244176019	**MW-17S**	Water	04/26/22 10:55	04/29/22 11:30
40244176020	**MW-17M**	Water	04/26/22 10:22	04/29/22 11:30
40244176021	**PZ-1**	Water	04/27/22 10:51	04/29/22 11:30
40244176022	**PZ-2**	Water	04/27/22 11:45	04/29/22 11:30
40244176023	**PZ-3**	Water	04/26/22 13:51	04/29/22 11:30
40244176024	**PZ-4**	Water	04/26/22 15:03	04/29/22 11:30
40244176025	**PZ-5**	Water	04/25/22 12:25	04/29/22 11:30
40244176026	**PZ-6**	Water	04/25/22 12:06	04/29/22 11:30
40244176027	**PW-1**	Water	04/26/22 12:00	04/29/22 11:30
40244176028	**PW-2**	Water	04/27/22 15:50	04/29/22 11:30
40244176029	**PW-3**	Water	04/27/22 16:05	04/29/22 11:30
40244176030	**PW-4**	Water	04/28/22 13:12	04/29/22 11:30
40244176031	**PW-5**	Water	04/27/22 16:17	04/29/22 11:30
40244176032	**PW-6**	Water	04/27/22 16:36	04/29/22 11:30
40244176033	**TRIP BLANK**	Water	04/25/22 12:00	04/29/22 11:30
40244176034	**MW-17S DUP**	Water	04/26/22 00:00	04/29/22 11:30
40244176035	**MW-2S DUP**	Water	04/27/22 00:00	04/29/22 11:30
40244176036	**MW-8S DUP**	Water	04/28/22 00:00	04/29/22 11:30
40244176037	**MW-2D**	Water	04/25/22 00:00	04/29/22 11:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40244176001	**MW-1SR**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176002	**MW-2S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176003	**MW-2M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176004	**MW-4S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	4	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176005	**MW-5S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	4	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176006	**MW-6S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176007	**MW-6M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176008	**MW-7M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	4	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176009	**MW-8S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176010	**MW-8M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176011	**MW-9M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176012	**MW-10M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176013	**MW-11M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176014	**MW-12S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176015	**MW-14S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176016	**MW-15M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176017	**MW-16S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176018	**MW-16M**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176019	**MW-17S**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9060	TJJ	5	PASI-G
40244176020	MW-17M	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176021	PZ-1	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176022	PZ-2	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	EIB	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176023	PZ-3	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176024	PZ-4	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176025	PZ-5	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40244176026	**PZ-6**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			KPR	5	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176027	**PW-1**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
40244176028	**PW-2**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	JAV	57	PASI-G
40244176029	**PW-3**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	JAV	57	PASI-G
40244176030	**PW-4**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	JAV	57	PASI-G
40244176031	**PW-5**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
40244176032	**PW-6**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
40244176033	**TRIP BLANK**	EPA 8260	LAP	57	PASI-G
40244176034	**MW-17S DUP**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176035	**MW-2S DUP**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176036	**MW-8S DUP**	EPA 6010D	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	JAV	57	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40244176037	**MW-2D**		KPR	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176001	**MW-1SR**					
EPA 6010D	Barium, Dissolved	26.3	ug/L	5.0	05/03/22 20:47	
EPA 6010D	Iron, Dissolved	418	ug/L	100	05/03/22 20:47	
EPA 6010D	Manganese, Dissolved	294	ug/L	5.0	05/03/22 20:47	
	Field Specific Conductance	206	umhos/cm		04/27/22 14:01	
	Oxygen, Dissolved	3.38	mg/L		04/27/22 14:01	
	REDOX	21.6	mV		04/27/22 14:01	
	Static Water Level	646.15	feet		04/27/22 14:01	
	Temperature, Water (C)	9.44	deg C		04/27/22 14:01	
EPA 310.2	Alkalinity, Total as CaCO3	101	mg/L	25.0	05/04/22 12:59	
EPA 9060	Total Organic Carbon	3.7	mg/L	0.50	05/03/22 17:15	
EPA 9060	Total Organic Carbon	3.8	mg/L	0.50	05/03/22 17:15	
EPA 9060	Total Organic Carbon	3.8	mg/L	0.50	05/03/22 17:15	
EPA 9060	Total Organic Carbon	3.8	mg/L	0.50	05/03/22 17:15	
EPA 9060	Mean Total Organic Carbon	3.8	mg/L	0.50	05/03/22 17:15	
40244176002	**MW-2S**					
EPA 6010D	Barium, Dissolved	93.9	ug/L	5.0	05/03/22 20:56	
EPA 6010D	Iron, Dissolved	19000	ug/L	100	05/03/22 20:56	
EPA 6010D	Manganese, Dissolved	535	ug/L	5.0	05/03/22 20:56	
EPA 8260	Chlorobenzene	1.7	ug/L	1.0	05/04/22 00:40	
	Field Specific Conductance	354	umhos/cm		04/27/22 13:09	
	Oxygen, Dissolved	2.08	mg/L		04/27/22 13:09	
	REDOX	12.2	mV		04/27/22 13:09	
	Static Water Level	646.00	feet		04/27/22 13:09	
	Temperature, Water (C)	11.00	deg C		04/27/22 13:09	
EPA 310.2	Alkalinity, Total as CaCO3	140	mg/L	25.0	05/04/22 13:00	
EPA 9060	Total Organic Carbon	3.9	mg/L	0.50	05/03/22 18:26	
EPA 9060	Total Organic Carbon	3.9	mg/L	0.50	05/03/22 18:26	
EPA 9060	Total Organic Carbon	3.9	mg/L	0.50	05/03/22 18:26	
EPA 9060	Total Organic Carbon	3.9	mg/L	0.50	05/03/22 18:26	
EPA 9060	Mean Total Organic Carbon	3.9	mg/L	0.50	05/03/22 18:26	
40244176003	**MW-2M**					
EPA 6010D	Arsenic, Dissolved	15.3J	ug/L	25.0	05/03/22 21:01	
EPA 6010D	Barium, Dissolved	581	ug/L	5.0	05/03/22 21:01	
EPA 6010D	Iron, Dissolved	10100	ug/L	100	05/03/22 21:01	
EPA 6010D	Manganese, Dissolved	1030	ug/L	5.0	05/03/22 21:01	
	Field Specific Conductance	334	umhos/cm		04/27/22 12:39	
	Oxygen, Dissolved	1.19	mg/L		04/27/22 12:39	
	REDOX	-5.7	mV		04/27/22 12:39	
	Static Water Level	645.93	feet		04/27/22 12:39	
	Temperature, Water (C)	10.61	deg C		04/27/22 12:39	
EPA 310.2	Alkalinity, Total as CaCO3	146	mg/L	25.0	05/04/22 13:01	
EPA 9060	Total Organic Carbon	4.2	mg/L	0.50	05/03/22 19:36	
EPA 9060	Total Organic Carbon	4.2	mg/L	0.50	05/03/22 19:36	
EPA 9060	Total Organic Carbon	4.3	mg/L	0.50	05/03/22 19:36	
EPA 9060	Total Organic Carbon	4.3	mg/L	0.50	05/03/22 19:36	
EPA 9060	Mean Total Organic Carbon	4.3	mg/L	0.50	05/03/22 19:36	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176004	**MW-4S**					
EPA 6010D	Barium, Dissolved	194	ug/L	5.0	05/03/22 21:08	
EPA 6010D	Iron, Dissolved	6780	ug/L	100	05/03/22 21:08	
EPA 6010D	Manganese, Dissolved	618	ug/L	5.0	05/03/22 21:08	
EPA 8260	1,2,4-Trimethylbenzene	56.0	ug/L	1.0	05/06/22 08:52	
EPA 8260	Isopropylbenzene (Cumene)	1.7J	ug/L	5.0	05/06/22 08:52	
EPA 8260	n-Butylbenzene	3.0	ug/L	1.0	05/06/22 08:52	
EPA 8260	n-Propylbenzene	5.8	ug/L	1.0	05/06/22 08:52	
EPA 8260	p-Isopropyltoluene	2.7J	ug/L	5.0	05/06/22 08:52	
EPA 8260	sec-Butylbenzene	8.0	ug/L	1.0	05/06/22 08:52	
EPA 8260	tert-Butylbenzene	0.88J	ug/L	1.0	05/06/22 08:52	
	Field Specific Conductance	425	umhos/cm		04/26/22 16:21	
	REDOX	11.8	mV		04/26/22 16:21	
	Static Water Level	645.53	feet		04/26/22 16:21	
	Temperature, Water (C)	10.28	deg C		04/26/22 16:21	
EPA 310.2	Alkalinity, Total as CaCO3	221	mg/L	25.0	05/04/22 12:44	
EPA 9060	Total Organic Carbon	2.1	mg/L	0.50	05/03/22 19:59	
EPA 9060	Total Organic Carbon	2.1	mg/L	0.50	05/03/22 19:59	
EPA 9060	Total Organic Carbon	2.1	mg/L	0.50	05/03/22 19:59	
EPA 9060	Total Organic Carbon	2.1	mg/L	0.50	05/03/22 19:59	
EPA 9060	Mean Total Organic Carbon	2.1	mg/L	0.50	05/03/22 19:59	
40244176005	**MW-5S**					
EPA 6010D	Barium, Dissolved	242	ug/L	5.0	05/03/22 21:11	
EPA 6010D	Iron, Dissolved	18000	ug/L	100	05/03/22 21:11	
EPA 6010D	Manganese, Dissolved	1140	ug/L	5.0	05/03/22 21:11	
EPA 8260	1,2,4-Trimethylbenzene	118	ug/L	1.0	05/06/22 09:12	
EPA 8260	Isopropylbenzene (Cumene)	19.7	ug/L	5.0	05/06/22 09:12	
EPA 8260	Naphthalene	19.9	ug/L	5.0	05/06/22 09:12	
EPA 8260	Xylene (Total)	2.7J	ug/L	3.0	05/06/22 09:12	
EPA 8260	n-Butylbenzene	6.6	ug/L	1.0	05/06/22 09:12	
EPA 8260	n-Propylbenzene	41.5	ug/L	1.0	05/06/22 09:12	
EPA 8260	p-Isopropyltoluene	6.4	ug/L	5.0	05/06/22 09:12	
EPA 8260	sec-Butylbenzene	13.9	ug/L	1.0	05/06/22 09:12	
EPA 8260	tert-Butylbenzene	23.2	ug/L	1.0	05/06/22 09:12	
	Field Specific Conductance	489	umhos/cm		04/25/22 15:52	
	REDOX	1.3	mV		04/25/22 15:52	
	Static Water Level	645.72	feet		04/25/22 15:52	
	Temperature, Water (C)	9.55	deg C		04/25/22 15:52	
EPA 310.2	Alkalinity, Total as CaCO3	262	mg/L	25.0	05/04/22 12:31	
EPA 9060	Total Organic Carbon	4.3	mg/L	0.50	05/03/22 20:20	
EPA 9060	Total Organic Carbon	4.4	mg/L	0.50	05/03/22 20:20	
EPA 9060	Total Organic Carbon	4.6	mg/L	0.50	05/03/22 20:20	
EPA 9060	Total Organic Carbon	4.6	mg/L	0.50	05/03/22 20:20	
EPA 9060	Mean Total Organic Carbon	4.5	mg/L	0.50	05/03/22 20:20	
40244176006	**MW-6S**					
EPA 6010D	Barium, Dissolved	277	ug/L	5.0	05/03/22 21:13	
EPA 6010D	Iron, Dissolved	72.0J	ug/L	100	05/03/22 21:13	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176006	**MW-6S**					
EPA 6010D	Manganese, Dissolved	4500	ug/L	5.0	05/03/22 21:13	
EPA 8260	Isopropylbenzene (Cumene)	1.6J	ug/L	5.0	05/05/22 19:58	
EPA 8260	sec-Butylbenzene	2.9	ug/L	1.0	05/05/22 19:58	
EPA 8260	tert-Butylbenzene	6.3	ug/L	1.0	05/05/22 19:58	
	Field Specific Conductance	476	umhos/cm		04/26/22 13:06	
	Oxygen, Dissolved	0.33	mg/L		04/26/22 13:06	
	REDOX	21.0	mV		04/26/22 13:06	
	Static Water Level	645.26	feet		04/26/22 13:06	
	Temperature, Water (C)	9.59	deg C		04/26/22 13:06	
EPA 310.2	Alkalinity, Total as CaCO3	287	mg/L	25.0	05/04/22 12:45	
EPA 9060	Total Organic Carbon	3.0	mg/L	0.50	05/03/22 21:05	
EPA 9060	Total Organic Carbon	3.0	mg/L	0.50	05/03/22 21:05	
EPA 9060	Total Organic Carbon	3.1	mg/L	0.50	05/03/22 21:05	
EPA 9060	Total Organic Carbon	3.1	mg/L	0.50	05/03/22 21:05	
EPA 9060	Mean Total Organic Carbon	3.1	mg/L	0.50	05/03/22 21:05	
40244176007	**MW-6M**					
EPA 6010D	Barium, Dissolved	1210	ug/L	5.0	05/03/22 21:16	
EPA 6010D	Manganese, Dissolved	2110	ug/L	5.0	05/03/22 21:16	
	Field Specific Conductance	282	umhos/cm		04/26/22 13:29	
	Oxygen, Dissolved	0.15	mg/L		04/26/22 13:29	
	REDOX	20.5	mV		04/26/22 13:29	
	Static Water Level	645.29	feet		04/26/22 13:29	
	Temperature, Water (C)	10.36	deg C		04/26/22 13:29	
EPA 310.2	Alkalinity, Total as CaCO3	147	mg/L	25.0	05/04/22 12:46	
EPA 9060	Total Organic Carbon	2.8	mg/L	0.50	05/03/22 21:27	
EPA 9060	Total Organic Carbon	2.8	mg/L	0.50	05/03/22 21:27	
EPA 9060	Total Organic Carbon	2.8	mg/L	0.50	05/03/22 21:27	
EPA 9060	Total Organic Carbon	2.9	mg/L	0.50	05/03/22 21:27	
EPA 9060	Mean Total Organic Carbon	2.8	mg/L	0.50	05/03/22 21:27	
40244176008	**MW-7M**					
EPA 6010D	Barium, Dissolved	298	ug/L	5.0	05/03/22 21:18	
EPA 6010D	Iron, Dissolved	1900	ug/L	100	05/03/22 21:18	
EPA 6010D	Manganese, Dissolved	696	ug/L	5.0	05/03/22 21:18	
	Field Specific Conductance	393	umhos/cm		04/25/22 13:37	
	REDOX	-5.8	mV		04/25/22 13:37	
	Static Water Level	645.38	feet		04/25/22 13:37	
	Temperature, Water (C)	10.26	deg C		04/25/22 13:37	
EPA 310.2	Alkalinity, Total as CaCO3	215	mg/L	25.0	05/04/22 12:32	
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/03/22 21:49	
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/03/22 21:49	
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/03/22 21:49	
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/03/22 21:49	
EPA 9060	Mean Total Organic Carbon	1.2	mg/L	0.50	05/03/22 21:49	
40244176009	**MW-8S**					
EPA 6010D	Barium, Dissolved	36.8	ug/L	5.0	05/03/22 21:21	
EPA 6010D	Manganese, Dissolved	97.2	ug/L	5.0	05/03/22 21:21	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176009	**MW-8S**					
	Field Specific Conductance	476	umhos/cm		04/28/22 12:06	
	Oxygen, Dissolved	8.90	mg/L		04/28/22 12:06	
	REDOX	20.0	mV		04/28/22 12:06	
	Static Water Level	645.36	feet		04/28/22 12:06	
	Temperature, Water (C)	8.84	deg C		04/28/22 12:06	
EPA 310.2	Alkalinity, Total as CaCO3	250	mg/L	25.0	05/04/22 15:52	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/03/22 22:10	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/03/22 22:10	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/03/22 22:10	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/03/22 22:10	
EPA 9060	Mean Total Organic Carbon	1.3	mg/L	0.50	05/03/22 22:10	
40244176010	**MW-8M**					
EPA 6010D	Barium, Dissolved	930	ug/L	5.0	05/03/22 21:23	
EPA 6010D	Iron, Dissolved	273	ug/L	100	05/03/22 21:23	
EPA 6010D	Manganese, Dissolved	3640	ug/L	5.0	05/03/22 21:23	
	Field Specific Conductance	491	umhos/cm		04/28/22 12:28	
	Oxygen, Dissolved	2.78	mg/L		04/28/22 12:28	
	REDOX	12.6	mV		04/28/22 12:28	
	Static Water Level	645.31	feet		04/28/22 12:28	
	Temperature, Water (C)	10.41	deg C		04/28/22 12:28	
EPA 310.2	Alkalinity, Total as CaCO3	254	mg/L	25.0	05/04/22 15:53	
EPA 9060	Total Organic Carbon	2.2	mg/L	0.50	05/03/22 22:31	
EPA 9060	Total Organic Carbon	2.2	mg/L	0.50	05/03/22 22:31	
EPA 9060	Total Organic Carbon	2.2	mg/L	0.50	05/03/22 22:31	
EPA 9060	Total Organic Carbon	2.2	mg/L	0.50	05/03/22 22:31	
EPA 9060	Mean Total Organic Carbon	2.2	mg/L	0.50	05/03/22 22:31	
40244176011	**MW-9M**					
EPA 6010D	Barium, Dissolved	191	ug/L	5.0	05/03/22 21:26	
EPA 6010D	Iron, Dissolved	2510	ug/L	100	05/03/22 21:26	
EPA 6010D	Manganese, Dissolved	974	ug/L	5.0	05/03/22 21:26	
	Field Specific Conductance	442	umhos/cm		04/28/22 11:25	
	Oxygen, Dissolved	3.06	mg/L		04/28/22 11:25	
	REDOX	2.9	mV		04/28/22 11:25	
	Static Water Level	644.96	feet		04/28/22 11:25	
	Temperature, Water (C)	10.36	deg C		04/28/22 11:25	
EPA 310.2	Alkalinity, Total as CaCO3	188	mg/L	25.0	05/04/22 15:54	
EPA 9060	Total Organic Carbon	2.4	mg/L	0.50	05/03/22 22:53	
EPA 9060	Total Organic Carbon	2.4	mg/L	0.50	05/03/22 22:53	
EPA 9060	Total Organic Carbon	2.4	mg/L	0.50	05/03/22 22:53	
EPA 9060	Total Organic Carbon	2.5	mg/L	0.50	05/03/22 22:53	
EPA 9060	Mean Total Organic Carbon	2.4	mg/L	0.50	05/03/22 22:53	
40244176012	**MW-10M**					
EPA 6010D	Barium, Dissolved	61.0	ug/L	5.0	05/03/22 21:28	
EPA 6010D	Iron, Dissolved	145	ug/L	100	05/03/22 21:28	
EPA 6010D	Manganese, Dissolved	1620	ug/L	5.0	05/03/22 21:28	
	Field Specific Conductance	396	umhos/cm		04/26/22 15:33	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176012	**MW-10M**					
	Oxygen, Dissolved	0.10	mg/L		04/26/22 15:33	
	REDOX	22.9	mV		04/26/22 15:33	
	Static Water Level	644.97	feet		04/26/22 15:33	
	Temperature, Water (C)	10.68	deg C		04/26/22 15:33	
EPA 310.2	Alkalinity, Total as CaCO3	187	mg/L	25.0	05/04/22 12:47	
EPA 9060	Total Organic Carbon	2.0	mg/L	0.50	05/03/22 23:14	
EPA 9060	Total Organic Carbon	2.0	mg/L	0.50	05/03/22 23:14	
EPA 9060	Total Organic Carbon	2.1	mg/L	0.50	05/03/22 23:14	
EPA 9060	Total Organic Carbon	2.1	mg/L	0.50	05/03/22 23:14	
EPA 9060	Mean Total Organic Carbon	2.1	mg/L	0.50	05/03/22 23:14	
40244176013	**MW-11M**					
EPA 6010D	Barium, Dissolved	230	ug/L	5.0	05/03/22 21:31	
EPA 6010D	Iron, Dissolved	3520	ug/L	100	05/03/22 21:31	
EPA 6010D	Manganese, Dissolved	1310	ug/L	5.0	05/03/22 21:31	
	Field Specific Conductance	438	umhos/cm		04/28/22 10:42	
	Oxygen, Dissolved	2.99	mg/L		04/28/22 10:42	
	REDOX	6.2	mV		04/28/22 10:42	
	Static Water Level	645.05	feet		04/28/22 10:42	
	Temperature, Water (C)	10.38	deg C		04/28/22 10:42	
EPA 310.2	Alkalinity, Total as CaCO3	187	mg/L	25.0	05/04/22 15:55	
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/03/22 23:36	
EPA 9060	Total Organic Carbon	1.1	mg/L	0.50	05/03/22 23:36	
EPA 9060	Total Organic Carbon	1.1	mg/L	0.50	05/03/22 23:36	
EPA 9060	Total Organic Carbon	1.1	mg/L	0.50	05/03/22 23:36	
EPA 9060	Mean Total Organic Carbon	1.1	mg/L	0.50	05/03/22 23:36	
40244176014	**MW-12S**					
EPA 6010D	Barium, Dissolved	20.4	ug/L	5.0	05/03/22 21:38	
	Field Specific Conductance	435	umhos/cm		04/25/22 12:53	
	Oxygen, Dissolved	5.31	mg/L		04/25/22 12:53	
	REDOX	27.4	mV		04/25/22 12:53	
	Static Water Level	645.31	feet		04/25/22 12:53	
	Temperature, Water (C)	8.88	deg C		04/25/22 12:53	
EPA 310.2	Alkalinity, Total as CaCO3	228	mg/L	25.0	05/04/22 12:33	
EPA 9060	Total Organic Carbon	0.78	mg/L	0.50	05/03/22 23:57	
EPA 9060	Total Organic Carbon	0.76	mg/L	0.50	05/03/22 23:57	
EPA 9060	Total Organic Carbon	0.76	mg/L	0.50	05/03/22 23:57	
EPA 9060	Total Organic Carbon	0.76	mg/L	0.50	05/03/22 23:57	
EPA 9060	Mean Total Organic Carbon	0.77	mg/L	0.50	05/03/22 23:57	
40244176015	**MW-14S**					
EPA 6010D	Barium, Dissolved	83.4	ug/L	5.0	05/03/22 21:40	
EPA 6010D	Iron, Dissolved	4190	ug/L	100	05/03/22 21:40	
EPA 6010D	Manganese, Dissolved	552	ug/L	5.0	05/03/22 21:40	
EPA 8260	1,2,4-Trimethylbenzene	3.2	ug/L	1.0	05/05/22 21:36	
EPA 8260	1,3,5-Trimethylbenzene	0.43J	ug/L	1.0	05/05/22 21:36	
EPA 8260	Ethylbenzene	0.62J	ug/L	1.0	05/05/22 21:36	
EPA 8260	Isopropylbenzene (Cumene)	1.6J	ug/L	5.0	05/05/22 21:36	

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

SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176015	**MW-14S**					
EPA 8260	Naphthalene	28.2	ug/L	5.0	05/05/22 21:36	
EPA 8260	Xylene (Total)	1.5J	ug/L	3.0	05/05/22 21:36	
EPA 8260	n-Butylbenzene	2.1	ug/L	1.0	05/05/22 21:36	
EPA 8260	n-Propylbenzene	2.5	ug/L	1.0	05/05/22 21:36	
EPA 8260	sec-Butylbenzene	1.5	ug/L	1.0	05/05/22 21:36	
	Field Specific Conductance	343	umhos/cm		04/27/22 11:12	
	Oxygen, Dissolved	1.51	mg/L		04/27/22 11:12	
	REDOX	27.4	mV		04/27/22 11:12	
	Static Water Level	645.76	feet		04/27/22 11:12	
	Temperature, Water (C)	8.05	deg C		04/27/22 11:12	
EPA 310.2	Alkalinity, Total as CaCO3	182	mg/L	25.0	05/04/22 13:02	
EPA 9060	Total Organic Carbon	2.6	mg/L	0.50	05/04/22 00:18	
EPA 9060	Total Organic Carbon	2.7	mg/L	0.50	05/04/22 00:18	
EPA 9060	Total Organic Carbon	2.7	mg/L	0.50	05/04/22 00:18	
EPA 9060	Total Organic Carbon	2.7	mg/L	0.50	05/04/22 00:18	
EPA 9060	Mean Total Organic Carbon	2.7	mg/L	0.50	05/04/22 00:18	
40244176016	**MW-15M**					
EPA 6010D	Barium, Dissolved	496	ug/L	5.0	05/03/22 21:43	
EPA 6010D	Iron, Dissolved	253	ug/L	100	05/03/22 21:43	
EPA 6010D	Manganese, Dissolved	1720	ug/L	5.0	05/03/22 21:43	
	Field Specific Conductance	243	umhos/cm		04/26/22 12:13	
	Oxygen, Dissolved	0.30	mg/L		04/26/22 12:13	
	REDOX	17.3	mV		04/26/22 12:13	
	Static Water Level	645.26	feet		04/26/22 12:13	
	Temperature, Water (C)	10.28	deg C		04/26/22 12:13	
EPA 310.2	Alkalinity, Total as CaCO3	123	mg/L	25.0	05/04/22 12:48	
EPA 9060	Total Organic Carbon	2.5	mg/L	0.50	05/04/22 01:02	
EPA 9060	Total Organic Carbon	2.7	mg/L	0.50	05/04/22 01:02	
EPA 9060	Total Organic Carbon	2.8	mg/L	0.50	05/04/22 01:02	
EPA 9060	Total Organic Carbon	2.8	mg/L	0.50	05/04/22 01:02	
EPA 9060	Mean Total Organic Carbon	2.7	mg/L	0.50	05/04/22 01:02	
40244176017	**MW-16S**					
EPA 6010D	Barium, Dissolved	188	ug/L	5.0	05/03/22 21:45	
EPA 6010D	Iron, Dissolved	16900	ug/L	100	05/03/22 21:45	
EPA 6010D	Manganese, Dissolved	2050	ug/L	5.0	05/03/22 21:45	
EPA 8260	Isopropylbenzene (Cumene)	41.6	ug/L	5.0	05/04/22 01:01	
EPA 8260	Naphthalene	27.3	ug/L	5.0	05/04/22 01:01	
EPA 8260	n-Butylbenzene	12.5	ug/L	1.0	05/04/22 01:01	
EPA 8260	n-Propylbenzene	90.2	ug/L	1.0	05/04/22 01:01	
EPA 8260	sec-Butylbenzene	26.1	ug/L	1.0	05/04/22 01:01	
EPA 8260	tert-Butylbenzene	17.3	ug/L	1.0	05/04/22 01:01	
	Field Specific Conductance	708	umhos/cm		04/27/22 15:05	
	Oxygen, Dissolved	4.16	mg/L		04/27/22 15:05	
	REDOX	13.5	mV		04/27/22 15:05	
	Static Water Level	645.52	feet		04/27/22 15:05	
	Temperature, Water (C)	9.25	deg C		04/27/22 15:05	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176017	**MW-16S**					
EPA 310.2	Alkalinity, Total as CaCO3	370	mg/L	50.0	05/04/22 13:03	
EPA 9060	Total Organic Carbon	3.9	mg/L	0.50	05/04/22 01:25	
EPA 9060	Total Organic Carbon	3.9	mg/L	0.50	05/04/22 01:25	
EPA 9060	Total Organic Carbon	4.0	mg/L	0.50	05/04/22 01:25	
EPA 9060	Total Organic Carbon	4.0	mg/L	0.50	05/04/22 01:25	
EPA 9060	Mean Total Organic Carbon	4.0	mg/L	0.50	05/04/22 01:25	
40244176018	**MW-16M**					
EPA 6010D	Arsenic, Dissolved	20.1J	ug/L	25.0	05/03/22 21:48	
EPA 6010D	Barium, Dissolved	1680	ug/L	5.0	05/03/22 21:48	
EPA 6010D	Iron, Dissolved	24100	ug/L	100	05/03/22 21:48	
EPA 6010D	Manganese, Dissolved	1710	ug/L	5.0	05/03/22 21:48	
EPA 8260	Benzene	0.92J	ug/L	1.0	05/04/22 01:21	
EPA 8260	Chlorobenzene	0.88J	ug/L	1.0	05/04/22 01:21	
EPA 8260	Isopropylbenzene (Cumene)	35.0	ug/L	5.0	05/04/22 01:21	
EPA 8260	Naphthalene	15.3	ug/L	5.0	05/04/22 01:21	
EPA 8260	n-Butylbenzene	2.6	ug/L	1.0	05/04/22 01:21	
EPA 8260	n-Propylbenzene	26.0	ug/L	1.0	05/04/22 01:21	
EPA 8260	sec-Butylbenzene	10.6	ug/L	1.0	05/04/22 01:21	
EPA 8260	tert-Butylbenzene	13.3	ug/L	1.0	05/04/22 01:21	
	Field Specific Conductance	578	umhos/cm		04/27/22 14:40	
	Oxygen, Dissolved	3.14	mg/L		04/27/22 14:40	
	REDOX	-13.7	mV		04/27/22 14:40	
	Static Water Level	645.53	feet		04/27/22 14:40	
	Temperature, Water (C)	11.52	deg C		04/27/22 14:40	
EPA 310.2	Alkalinity, Total as CaCO3	291	mg/L	25.0	05/04/22 13:08	
EPA 9060	Total Organic Carbon	4.1	mg/L	1.0	05/12/22 09:04	
EPA 9060	Total Organic Carbon	4.2	mg/L	1.0	05/12/22 09:04	
EPA 9060	Total Organic Carbon	4.3	mg/L	1.0	05/12/22 09:04	
EPA 9060	Total Organic Carbon	4.3	mg/L	1.0	05/12/22 09:04	
EPA 9060	Mean Total Organic Carbon	4.2	mg/L	1.0	05/12/22 09:04	
40244176019	**MW-17S**					
EPA 6010D	Barium, Dissolved	149	ug/L	5.0	05/03/22 21:50	
EPA 6010D	Iron, Dissolved	6920	ug/L	100	05/03/22 21:50	
EPA 6010D	Manganese, Dissolved	803	ug/L	5.0	05/03/22 21:50	
EPA 8260	1,2,4-Trimethylbenzene	287	ug/L	5.0	05/04/22 04:04	
EPA 8260	Isopropylbenzene (Cumene)	6.0J	ug/L	25.0	05/04/22 04:04	
EPA 8260	n-Propylbenzene	11.4	ug/L	5.0	05/04/22 04:04	
EPA 8260	sec-Butylbenzene	11.6	ug/L	5.0	05/04/22 04:04	
EPA 8260	tert-Butylbenzene	5.0J	ug/L	5.0	05/04/22 04:04	
	Field Specific Conductance	365	umhos/cm		04/26/22 10:55	
	Oxygen, Dissolved	0.93	mg/L		04/26/22 10:55	
	REDOX	11.5	mV		04/26/22 10:55	
	Static Water Level	645.63	feet		04/26/22 10:55	
	Temperature, Water (C)	8.53	deg C		04/26/22 10:55	
EPA 310.2	Alkalinity, Total as CaCO3	191	mg/L	25.0	05/04/22 12:49	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 10:14	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176019	**MW-17S**					
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 10:14	
EPA 9060	Total Organic Carbon	1.9	mg/L	0.50	05/12/22 10:14	
EPA 9060	Total Organic Carbon	1.9	mg/L	0.50	05/12/22 10:14	
EPA 9060	Mean Total Organic Carbon	1.8	mg/L	0.50	05/12/22 10:14	
40244176020	**MW-17M**					
EPA 6010D	Arsenic, Dissolved	10.7J	ug/L	25.0	05/03/22 21:53	
EPA 6010D	Barium, Dissolved	528	ug/L	5.0	05/03/22 21:53	
EPA 6010D	Iron, Dissolved	5270	ug/L	100	05/03/22 21:53	
EPA 6010D	Manganese, Dissolved	791	ug/L	5.0	05/03/22 21:53	
	Field Specific Conductance	322	umhos/cm		04/26/22 10:22	
	Oxygen, Dissolved	2.45	mg/L		04/26/22 10:22	
	REDOX	-15.6	mV		04/26/22 10:22	
	Static Water Level	645.72	feet		04/26/22 10:22	
	Temperature, Water (C)	10.47	deg C		04/26/22 10:22	
EPA 310.2	Alkalinity, Total as CaCO3	165	mg/L	25.0	05/04/22 12:50	
EPA 9060	Total Organic Carbon	4.4	mg/L	0.50	05/12/22 11:23	
EPA 9060	Total Organic Carbon	4.4	mg/L	0.50	05/12/22 11:23	
EPA 9060	Total Organic Carbon	4.3	mg/L	0.50	05/12/22 11:23	
EPA 9060	Total Organic Carbon	4.4	mg/L	0.50	05/12/22 11:23	
EPA 9060	Mean Total Organic Carbon	4.4	mg/L	0.50	05/12/22 11:23	
40244176021	**PZ-1**					
EPA 6010D	Barium, Dissolved	106	ug/L	5.0	05/04/22 19:08	
EPA 6010D	Manganese, Dissolved	1600	ug/L	50.0	05/05/22 15:37	P6
	Field Specific Conductance	374	umhos/cm		04/27/22 10:51	
	Oxygen, Dissolved	1.27	mg/L		04/27/22 10:51	
	REDOX	39.5	mV		04/27/22 10:51	
	Static Water Level	645.66	feet		04/27/22 10:51	
	Temperature, Water (C)	9.65	deg C		04/27/22 10:51	
EPA 310.2	Alkalinity, Total as CaCO3	192	mg/L	25.0	05/04/22 13:09	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 11:47	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 11:47	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 11:47	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 11:47	
EPA 9060	Mean Total Organic Carbon	1.8	mg/L	0.50	05/12/22 11:47	
40244176022	**PZ-2**					
EPA 6010D	Barium, Dissolved	91.1	ug/L	5.0	05/04/22 19:18	
EPA 6010D	Cobalt, Dissolved	2.1J	ug/L	5.0	05/04/22 19:18	
EPA 6010D	Iron, Dissolved	20900	ug/L	100	05/04/22 19:18	
EPA 6010D	Manganese, Dissolved	3120	ug/L	5.0	05/04/22 19:18	
	Field Specific Conductance	414	umhos/cm		04/27/22 11:45	
	Oxygen, Dissolved	1.48	mg/L		04/27/22 11:45	
	REDOX	12.5	mV		04/27/22 11:45	
	Static Water Level	645.41	feet		04/27/22 11:45	
	Temperature, Water (C)	8.43	deg C		04/27/22 11:45	
EPA 310.2	Alkalinity, Total as CaCO3	183	mg/L	50.0	05/04/22 13:10	
EPA 9060	Total Organic Carbon	6.5	mg/L	0.50	05/12/22 12:29	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176022	**PZ-2**					
EPA 9060	Total Organic Carbon	6.4	mg/L	0.50	05/12/22 12:29	
EPA 9060	Total Organic Carbon	6.5	mg/L	0.50	05/12/22 12:29	
EPA 9060	Total Organic Carbon	6.6	mg/L	0.50	05/12/22 12:29	
EPA 9060	Mean Total Organic Carbon	6.5	mg/L	0.50	05/12/22 12:29	
40244176023	**PZ-3**					
EPA 6010D	Barium, Dissolved	143	ug/L	5.0	05/04/22 19:23	
EPA 6010D	Cobalt, Dissolved	1.8J	ug/L	5.0	05/04/22 19:23	
EPA 6010D	Iron, Dissolved	354	ug/L	100	05/04/22 19:23	
EPA 6010D	Manganese, Dissolved	4860	ug/L	5.0	05/04/22 19:23	
EPA 8260	sec-Butylbenzene	11.7	ug/L	1.0	05/04/22 13:21	
EPA 8260	tert-Butylbenzene	9.4	ug/L	1.0	05/04/22 13:21	
	Field Specific Conductance	420	umhos/cm		04/26/22 13:51	
	Oxygen, Dissolved	0.18	mg/L		04/26/22 13:51	
	REDOX	21.6	mV		04/26/22 13:51	
	Static Water Level	645.56	feet		04/26/22 13:51	
	Temperature, Water (C)	9.93	deg C		04/26/22 13:51	
EPA 310.2	Alkalinity, Total as CaCO3	253	mg/L	25.0	05/04/22 12:54	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 12:53	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 12:53	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 12:53	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 12:53	
EPA 9060	Mean Total Organic Carbon	1.8	mg/L	0.50	05/12/22 12:53	
40244176024	**PZ-4**					
EPA 6010D	Barium, Dissolved	299	ug/L	5.0	05/04/22 19:25	
EPA 6010D	Cobalt, Dissolved	3.5J	ug/L	5.0	05/04/22 19:25	
EPA 6010D	Manganese, Dissolved	3740	ug/L	5.0	05/04/22 19:25	
EPA 8260	sec-Butylbenzene	0.48J	ug/L	1.0	05/04/22 13:41	
EPA 8260	tert-Butylbenzene	5.6	ug/L	1.0	05/04/22 13:41	
	Field Specific Conductance	566	umhos/cm		04/26/22 15:03	
	Oxygen, Dissolved	0.21	mg/L		04/26/22 15:03	
	REDOX	20.6	mV		04/26/22 15:03	
	Static Water Level	645.27	feet		04/26/22 15:03	
	Temperature, Water (C)	9.78	deg C		04/26/22 15:03	
EPA 310.2	Alkalinity, Total as CaCO3	296	mg/L	50.0	05/04/22 12:55	M0
EPA 9060	Total Organic Carbon	3.3	mg/L	0.50	05/12/22 13:14	
EPA 9060	Total Organic Carbon	3.2	mg/L	0.50	05/12/22 13:14	
EPA 9060	Total Organic Carbon	3.3	mg/L	0.50	05/12/22 13:14	
EPA 9060	Total Organic Carbon	3.3	mg/L	0.50	05/12/22 13:14	
EPA 9060	Mean Total Organic Carbon	3.3	mg/L	0.50	05/12/22 13:14	
40244176025	**PZ-5**					
EPA 6010D	Barium, Dissolved	130	ug/L	5.0	05/04/22 19:32	
EPA 6010D	Iron, Dissolved	4920	ug/L	100	05/04/22 19:32	
EPA 6010D	Manganese, Dissolved	735	ug/L	5.0	05/04/22 19:32	
EPA 8260	1,2,4-Trimethylbenzene	18.0	ug/L	1.0	05/05/22 07:07	
EPA 8260	n-Propylbenzene	0.56J	ug/L	1.0	05/05/22 07:07	
EPA 8260	p-Isopropyltoluene	1.5J	ug/L	5.0	05/05/22 07:07	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176025	**PZ-5**					
EPA 8260	sec-Butylbenzene	3.3	ug/L	1.0	05/05/22 07:07	
EPA 8260	tert-Butylbenzene	0.72J	ug/L	1.0	05/05/22 07:07	
	Field Specific Conductance	358	umhos/cm		04/25/22 12:25	
	Oxygen, Dissolved	0.72	mg/L		04/25/22 12:25	
	REDOX	3.4	mV		04/25/22 12:25	
	Static Water Level	645.47	feet		04/25/22 12:25	
	Temperature, Water (C)	9.15	deg C		04/25/22 12:25	
EPA 310.2	Alkalinity, Total as CaCO3	204	mg/L	25.0	05/04/22 12:34	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/12/22 13:37	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/12/22 13:37	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/12/22 13:37	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/12/22 13:37	
EPA 9060	Mean Total Organic Carbon	1.3	mg/L	0.50	05/12/22 13:37	
40244176026	**PZ-6**					
EPA 6010D	Barium, Dissolved	22.4	ug/L	5.0	05/04/22 19:35	
	Field Specific Conductance	420	umhos/cm		04/25/22 12:06	
	Oxygen, Dissolved	3.60	mg/L		04/25/22 12:06	
	REDOX	48.3	mV		04/25/22 12:06	
	Static Water Level	645.37	feet		04/25/22 12:06	
	Temperature, Water (C)	9.38	deg C		04/25/22 12:06	
EPA 310.2	Alkalinity, Total as CaCO3	239	mg/L	50.0	05/04/22 12:35	M0
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/12/22 13:58	
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/12/22 13:58	
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/12/22 13:58	
EPA 9060	Total Organic Carbon	1.2	mg/L	0.50	05/12/22 13:58	
EPA 9060	Mean Total Organic Carbon	1.2	mg/L	0.50	05/12/22 13:58	
40244176027	**PW-1**					
EPA 6010D	Barium	22.0	ug/L	5.0	05/03/22 20:22	
EPA 6010D	Iron	5730	ug/L	100	05/03/22 20:22	
EPA 6010D	Manganese	172	ug/L	5.0	05/03/22 20:22	
40244176028	**PW-2**					
EPA 6010D	Barium	125	ug/L	5.0	05/03/22 20:25	
EPA 6010D	Iron	213	ug/L	100	05/03/22 20:25	
EPA 6010D	Manganese	665	ug/L	5.0	05/03/22 20:25	
40244176030	**PW-4**					
EPA 6010D	Barium	23.0	ug/L	5.0	05/03/22 20:30	
EPA 6010D	Iron	4650	ug/L	100	05/03/22 20:30	
EPA 6010D	Manganese	109	ug/L	5.0	05/03/22 20:30	
40244176031	**PW-5**					
EPA 6010D	Barium	30.5	ug/L	5.0	05/03/22 20:32	
EPA 6010D	Iron	1010	ug/L	100	05/03/22 20:32	
EPA 6010D	Manganese	380	ug/L	5.0	05/03/22 20:32	
40244176032	**PW-6**					
EPA 6010D	Barium	47.4	ug/L	5.0	05/03/22 20:39	

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40244176032	**PW-6**					
EPA 6010D	Manganese	260	ug/L	5.0	05/03/22 20:39	
40244176034	**MW-17S DUP**					
EPA 6010D	Barium, Dissolved	133	ug/L	5.0	05/04/22 19:37	
EPA 6010D	Iron, Dissolved	6630	ug/L	100	05/04/22 19:37	
EPA 6010D	Manganese, Dissolved	731	ug/L	5.0	05/04/22 19:37	
EPA 8260	1,2,4-Trimethylbenzene	192	ug/L	1.0	05/04/22 16:39	
EPA 8260	Isopropylbenzene (Cumene)	5.6	ug/L	5.0	05/04/22 16:39	
EPA 8260	Naphthalene	1.5J	ug/L	5.0	05/04/22 16:39	
EPA 8260	n-Butylbenzene	3.8	ug/L	1.0	05/04/22 16:39	
EPA 8260	n-Propylbenzene	13.1	ug/L	1.0	05/04/22 16:39	
EPA 8260	p-Isopropyltoluene	4.0J	ug/L	5.0	05/04/22 16:39	
EPA 8260	sec-Butylbenzene	14.3	ug/L	1.0	05/04/22 16:39	
EPA 8260	tert-Butylbenzene	4.6	ug/L	1.0	05/04/22 16:39	
EPA 310.2	Alkalinity, Total as CaCO3	187	mg/L	25.0	05/04/22 12:58	
EPA 9060	Total Organic Carbon	1.8	mg/L	0.50	05/12/22 14:18	
EPA 9060	Total Organic Carbon	1.9	mg/L	0.50	05/12/22 14:18	
EPA 9060	Total Organic Carbon	1.9	mg/L	0.50	05/12/22 14:18	
EPA 9060	Total Organic Carbon	1.9	mg/L	0.50	05/12/22 14:18	
EPA 9060	Mean Total Organic Carbon	1.9	mg/L	0.50	05/12/22 14:18	
40244176035	**MW-2S DUP**					
EPA 6010D	Barium, Dissolved	87.2	ug/L	5.0	05/04/22 19:40	
EPA 6010D	Iron, Dissolved	18600	ug/L	100	05/04/22 19:40	
EPA 6010D	Manganese, Dissolved	522	ug/L	5.0	05/04/22 19:40	
EPA 8260	Chlorobenzene	1.6	ug/L	1.0	05/04/22 15:59	
EPA 310.2	Alkalinity, Total as CaCO3	128	mg/L	50.0	05/04/22 13:11	B,M0
EPA 9060	Total Organic Carbon	4.0	mg/L	0.50	05/12/22 14:41	
EPA 9060	Total Organic Carbon	4.0	mg/L	0.50	05/12/22 14:41	
EPA 9060	Total Organic Carbon	4.0	mg/L	0.50	05/12/22 14:41	
EPA 9060	Total Organic Carbon	4.1	mg/L	0.50	05/12/22 14:41	
EPA 9060	Mean Total Organic Carbon	4.0	mg/L	0.50	05/12/22 14:41	
40244176036	**MW-8S DUP**					
EPA 6010D	Barium, Dissolved	33.0	ug/L	5.0	05/04/22 19:42	
EPA 6010D	Manganese, Dissolved	87.0	ug/L	5.0	05/04/22 19:42	
EPA 310.2	Alkalinity, Total as CaCO3	229	mg/L	50.0	05/04/22 15:56	M0
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/12/22 15:03	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/12/22 15:03	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/12/22 15:03	
EPA 9060	Total Organic Carbon	1.3	mg/L	0.50	05/12/22 15:03	
EPA 9060	Mean Total Organic Carbon	1.3	mg/L	0.50	05/12/22 15:03	
40244176037	**MW-2D**					
	Static Water Level	646.00	feet		04/25/22 00:00	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-1SR **Lab ID: 40244176001** Collected: 04/27/22 14:01 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 20:47	7440-38-2	
Barium, Dissolved	**26.3**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 20:47	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 20:47	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 20:47	7440-48-4	
Iron, Dissolved	**418**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 20:47	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 20:47	7439-92-1	
Manganese, Dissolved	**294**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 20:47	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 20:47	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:23	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field Specific Conductance	**206**	umhos/cm			1		04/27/22 14:01		
Oxygen, Dissolved	**3.38**	mg/L			1		04/27/22 14:01	7782-44-7	
REDOX	**21.6**	mV			1		04/27/22 14:01		
Static Water Level	**646.15**	feet			1		04/27/22 14:01		
Temperature, Water (C)	**9.44**	deg C			1		04/27/22 14:01		
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**101**	mg/L	25.0	5.2	1		05/04/22 12:59		
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.7**	mg/L	0.50	0.12	1		05/03/22 17:15	7440-44-0	
Total Organic Carbon	**3.8**	mg/L	0.50	0.12	1		05/03/22 17:15	7440-44-0	
Total Organic Carbon	**3.8**	mg/L	0.50	0.12	1		05/03/22 17:15	7440-44-0	
Total Organic Carbon	**3.8**	mg/L	0.50	0.12	1		05/03/22 17:15	7440-44-0	
Mean Total Organic Carbon	**3.8**	mg/L	0.50	0.12	1		05/03/22 17:15	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2S **Lab ID: 40244176002** Collected: 04/27/22 13:09 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 20:56	7440-38-2	
Barium, Dissolved	**93.9**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 20:56	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 20:56	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 20:56	7440-48-4	
Iron, Dissolved	**19000**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 20:56	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 20:56	7439-92-1	
Manganese, Dissolved	**535**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 20:56	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 20:56	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:30	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 00:40	71-55-6	M1
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 00:40	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 00:40	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 00:40	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 00:40	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 00:40	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 00:40	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 00:40	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 00:40	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 00:40	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 00:40	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 00:40	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 00:40	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 00:40	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 00:40	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 00:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 00:40	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 00:40	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 00:40	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 00:40	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 00:40	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 00:40	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 00:40	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 00:40	56-23-5	
Chlorobenzene	**1.7**	ug/L	1.0	0.86	1		05/04/22 00:40	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 00:40	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 00:40	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 00:40	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 00:40	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 00:40	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2S **Lab ID: 40244176002** Collected: 04/27/22 13:09 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 00:40	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 00:40	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 00:40	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 00:40	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 00:40	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 00:40	75-09-2	M1
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 00:40	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 00:40	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 00:40	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 00:40	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 00:40	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 00:40	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 00:40	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 00:40	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 00:40	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 00:40	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 00:40	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 00:40	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 00:40	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 00:40	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 00:40	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 00:40	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 00:40	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 00:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/04/22 00:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/04/22 00:40	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		05/04/22 00:40	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**354**	umhos/cm			1		04/27/22 13:09		
Oxygen, Dissolved	**2.08**	mg/L			1		04/27/22 13:09	7782-44-7	
REDOX	**12.2**	mV			1		04/27/22 13:09		
Static Water Level	**646.00**	feet			1		04/27/22 13:09		
Temperature, Water (C)	**11.00**	deg C			1		04/27/22 13:09		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**140**	mg/L	25.0	5.2	1		05/04/22 13:00		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.9**	mg/L	0.50	0.12	1		05/03/22 18:26	7440-44-0	
Total Organic Carbon	**3.9**	mg/L	0.50	0.12	1		05/03/22 18:26	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2S **Lab ID: 40244176002** Collected: 04/27/22 13:09 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.9**	mg/L	0.50	0.12	1		05/03/22 18:26	7440-44-0	
Total Organic Carbon	**3.9**	mg/L	0.50	0.12	1		05/03/22 18:26	7440-44-0	
Mean Total Organic Carbon	**3.9**	mg/L	0.50	0.12	1		05/03/22 18:26	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2M **Lab ID: 40244176003** Collected: 04/27/22 12:39 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**15.3J**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:01	7440-38-2	
Barium, Dissolved	**581**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:01	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:01	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:01	7440-48-4	
Iron, Dissolved	**10100**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:01	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:01	7439-92-1	
Manganese, Dissolved	**1030**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:01	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:01	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:32	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 01:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 01:42	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 01:42	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 01:42	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 01:42	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 01:42	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 01:42	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 01:42	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 01:42	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 01:42	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 01:42	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:42	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 01:42	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 01:42	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 01:42	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 01:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 01:42	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 01:42	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 01:42	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 01:42	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 01:42	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 01:42	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 01:42	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 01:42	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 01:42	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 01:42	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 01:42	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 01:42	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 01:42	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 01:42	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2M **Lab ID: 40244176003** Collected: 04/27/22 12:39 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 01:42	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 01:42	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 01:42	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 01:42	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 01:42	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 01:42	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 01:42	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:42	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 01:42	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 01:42	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 01:42	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 01:42	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 01:42	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 01:42	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 01:42	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 01:42	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:42	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 01:42	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 01:42	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 01:42	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 01:42	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 01:42	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 01:42	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 01:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/04/22 01:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/04/22 01:42	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		05/04/22 01:42	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**334**	umhos/cm			1		04/27/22 12:39		
Oxygen, Dissolved	**1.19**	mg/L			1		04/27/22 12:39	7782-44-7	
REDOX	**-5.7**	mV			1		04/27/22 12:39		
Static Water Level	**645.93**	feet			1		04/27/22 12:39		
Temperature, Water (C)	**10.61**	deg C			1		04/27/22 12:39		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**146**	mg/L	25.0	5.2	1		05/04/22 13:01		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.2**	mg/L	0.50	0.12	1		05/03/22 19:36	7440-44-0	
Total Organic Carbon	**4.2**	mg/L	0.50	0.12	1		05/03/22 19:36	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2M **Lab ID: 40244176003** Collected: 04/27/22 12:39 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.3**	mg/L	0.50	0.12	1		05/03/22 19:36	7440-44-0	
Total Organic Carbon	**4.3**	mg/L	0.50	0.12	1		05/03/22 19:36	7440-44-0	
Mean Total Organic Carbon	**4.3**	mg/L	0.50	0.12	1		05/03/22 19:36	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-4S **Lab ID: 40244176004** Collected: 04/26/22 16:21 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:08	7440-38-2	
Barium, Dissolved	**194**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:08	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:08	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:08	7440-48-4	
Iron, Dissolved	**6780**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:08	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:08	7439-92-1	
Manganese, Dissolved	**618**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:08	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:08	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/06/22 08:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/06/22 08:52	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/06/22 08:52	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/06/22 08:52	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/06/22 08:52	75-35-4	
1,2,4-Trimethylbenzene	**56.0**	ug/L	1.0	0.45	1		05/06/22 08:52	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/06/22 08:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/06/22 08:52	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/06/22 08:52	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/06/22 08:52	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/06/22 08:52	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/06/22 08:52	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/06/22 08:52	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/06/22 08:52	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/06/22 08:52	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/06/22 08:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/06/22 08:52	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/06/22 08:52	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/06/22 08:52	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/06/22 08:52	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/06/22 08:52	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/06/22 08:52	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/06/22 08:52	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/06/22 08:52	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/06/22 08:52	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/06/22 08:52	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/06/22 08:52	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/06/22 08:52	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/06/22 08:52	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/06/22 08:52	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-4S **Lab ID: 40244176004** Collected: 04/26/22 16:21 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/06/22 08:52	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/06/22 08:52	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/06/22 08:52	87-68-3	
Isopropylbenzene (Cumene)	**1.7J**	ug/L	5.0	1.0	1		05/06/22 08:52	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/06/22 08:52	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/06/22 08:52	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/06/22 08:52	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/06/22 08:52	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/06/22 08:52	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/06/22 08:52	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/06/22 08:52	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/06/22 08:52	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/06/22 08:52	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/06/22 08:52	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/06/22 08:52	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/06/22 08:52	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/06/22 08:52	10061-01-5	
n-Butylbenzene	**3.0**	ug/L	1.0	0.86	1		05/06/22 08:52	104-51-8	
n-Propylbenzene	**5.8**	ug/L	1.0	0.35	1		05/06/22 08:52	103-65-1	
p-Isopropyltoluene	**2.7J**	ug/L	5.0	1.0	1		05/06/22 08:52	99-87-6	
sec-Butylbenzene	**8.0**	ug/L	1.0	0.42	1		05/06/22 08:52	135-98-8	
tert-Butylbenzene	**0.88J**	ug/L	1.0	0.59	1		05/06/22 08:52	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/06/22 08:52	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/06/22 08:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		05/06/22 08:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/06/22 08:52	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		05/06/22 08:52	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**425**	umhos/cm			1		04/26/22 16:21		
REDOX	**11.8**	mV			1		04/26/22 16:21		
Static Water Level	**645.53**	feet			1		04/26/22 16:21		
Temperature, Water (C)	**10.28**	deg C			1		04/26/22 16:21		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**221**	mg/L	25.0	5.2	1		05/04/22 12:44		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.1**	mg/L	0.50	0.12	1		05/03/22 19:59	7440-44-0	
Total Organic Carbon	**2.1**	mg/L	0.50	0.12	1		05/03/22 19:59	7440-44-0	
Total Organic Carbon	**2.1**	mg/L	0.50	0.12	1		05/03/22 19:59	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-4S **Lab ID: 40244176004** Collected: 04/26/22 16:21 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.1**	mg/L	0.50	0.12	1		05/03/22 19:59	7440-44-0	
Mean Total Organic Carbon	**2.1**	mg/L	0.50	0.12	1		05/03/22 19:59	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-5S **Lab ID: 40244176005** Collected: 04/25/22 15:52 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:11	7440-38-2	
Barium, Dissolved	**242**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:11	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:11	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:11	7440-48-4	
Iron, Dissolved	**18000**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:11	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:11	7439-92-1	
Manganese, Dissolved	**1140**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:11	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:11	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:37	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/06/22 09:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/06/22 09:12	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/06/22 09:12	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/06/22 09:12	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/06/22 09:12	75-35-4	
1,2,4-Trimethylbenzene	**118**	ug/L	1.0	0.45	1		05/06/22 09:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/06/22 09:12	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/06/22 09:12	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/06/22 09:12	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/06/22 09:12	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/06/22 09:12	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/06/22 09:12	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/06/22 09:12	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/06/22 09:12	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/06/22 09:12	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/06/22 09:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/06/22 09:12	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/06/22 09:12	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/06/22 09:12	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/06/22 09:12	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/06/22 09:12	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/06/22 09:12	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/06/22 09:12	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/06/22 09:12	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/06/22 09:12	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/06/22 09:12	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/06/22 09:12	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/06/22 09:12	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/06/22 09:12	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/06/22 09:12	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-5S **Lab ID: 40244176005** Collected: 04/25/22 15:52 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/06/22 09:12	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/06/22 09:12	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/06/22 09:12	87-68-3	
Isopropylbenzene (Cumene)	**19.7**	ug/L	5.0	1.0	1		05/06/22 09:12	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/06/22 09:12	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/06/22 09:12	75-09-2	
Naphthalene	**19.9**	ug/L	5.0	1.1	1		05/06/22 09:12	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/06/22 09:12	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/06/22 09:12	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/06/22 09:12	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/06/22 09:12	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/06/22 09:12	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/06/22 09:12	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/06/22 09:12	75-01-4	
Xylene (Total)	**2.7J**	ug/L	3.0	1.0	1		05/06/22 09:12	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/06/22 09:12	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/06/22 09:12	10061-01-5	
n-Butylbenzene	**6.6**	ug/L	1.0	0.86	1		05/06/22 09:12	104-51-8	
n-Propylbenzene	**41.5**	ug/L	1.0	0.35	1		05/06/22 09:12	103-65-1	
p-Isopropyltoluene	**6.4**	ug/L	5.0	1.0	1		05/06/22 09:12	99-87-6	
sec-Butylbenzene	**13.9**	ug/L	1.0	0.42	1		05/06/22 09:12	135-98-8	
tert-Butylbenzene	**23.2**	ug/L	1.0	0.59	1		05/06/22 09:12	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/06/22 09:12	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/06/22 09:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/06/22 09:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/06/22 09:12	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/06/22 09:12	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**489**	umhos/cm			1		04/25/22 15:52		
REDOX	**1.3**	mV			1		04/25/22 15:52		
Static Water Level	**645.72**	feet			1		04/25/22 15:52		
Temperature, Water (C)	**9.55**	deg C			1		04/25/22 15:52		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**262**	mg/L	25.0	5.2	1		05/04/22 12:31		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.3**	mg/L	0.50	0.12	1		05/03/22 20:20	7440-44-0	
Total Organic Carbon	**4.4**	mg/L	0.50	0.12	1		05/03/22 20:20	7440-44-0	
Total Organic Carbon	**4.6**	mg/L	0.50	0.12	1		05/03/22 20:20	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-5S **Lab ID: 40244176005** Collected: 04/25/22 15:52 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.6**	mg/L	0.50	0.12	1		05/03/22 20:20	7440-44-0	
Mean Total Organic Carbon	**4.5**	mg/L	0.50	0.12	1		05/03/22 20:20	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-6S **Lab ID: 40244176006** Collected: 04/26/22 13:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:13	7440-38-2	
Barium, Dissolved	**277**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:13	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:13	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:13	7440-48-4	
Iron, Dissolved	**72.0J**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:13	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:13	7439-92-1	
Manganese, Dissolved	**4500**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:13	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:13	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:39	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 19:58	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 19:58	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 19:58	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 19:58	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 19:58	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/05/22 19:58	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 19:58	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 19:58	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 19:58	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 19:58	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 19:58	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 19:58	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 19:58	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 19:58	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 19:58	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 19:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 19:58	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 19:58	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 19:58	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 19:58	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 19:58	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 19:58	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 19:58	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 19:58	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 19:58	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 19:58	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 19:58	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 19:58	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 19:58	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 19:58	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-6S **Lab ID: 40244176006** Collected: 04/26/22 13:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 19:58	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 19:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 19:58	87-68-3	
Isopropylbenzene (Cumene)	**1.6J**	ug/L	5.0	1.0	1		05/05/22 19:58	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 19:58	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 19:58	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/05/22 19:58	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 19:58	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 19:58	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 19:58	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 19:58	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 19:58	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 19:58	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 19:58	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/05/22 19:58	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 19:58	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 19:58	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 19:58	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 19:58	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/05/22 19:58	99-87-6	
sec-Butylbenzene	**2.9**	ug/L	1.0	0.42	1		05/05/22 19:58	135-98-8	
tert-Butylbenzene	**6.3**	ug/L	1.0	0.59	1		05/05/22 19:58	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 19:58	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 19:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		05/05/22 19:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/05/22 19:58	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/05/22 19:58	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**476**	umhos/cm			1		04/26/22 13:06		
Oxygen, Dissolved	**0.33**	mg/L			1		04/26/22 13:06	7782-44-7	
REDOX	**21.0**	mV			1		04/26/22 13:06		
Static Water Level	**645.26**	feet			1		04/26/22 13:06		
Temperature, Water (C)	**9.59**	deg C			1		04/26/22 13:06		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**287**	mg/L	25.0	5.2	1		05/04/22 12:45		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.0**	mg/L	0.50	0.12	1		05/03/22 21:05	7440-44-0	
Total Organic Carbon	**3.0**	mg/L	0.50	0.12	1		05/03/22 21:05	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-6S **Lab ID: 40244176006** Collected: 04/26/22 13:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.1**	mg/L	0.50	0.12	1		05/03/22 21:05	7440-44-0	
Total Organic Carbon	**3.1**	mg/L	0.50	0.12	1		05/03/22 21:05	7440-44-0	
Mean Total Organic Carbon	**3.1**	mg/L	0.50	0.12	1		05/03/22 21:05	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-6M **Lab ID: 40244176007** Collected: 04/26/22 13:29 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:16	7440-38-2	
Barium, Dissolved	**1210**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:16	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:16	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:16	7440-48-4	
Iron, Dissolved	**<56.7**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:16	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:16	7439-92-1	
Manganese, Dissolved	**2110**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:16	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:16	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:42	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 20:17	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 20:17	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:17	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 20:17	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/05/22 20:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 20:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 20:17	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 20:17	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 20:17	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 20:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:17	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 20:17	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 20:17	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 20:17	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 20:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 20:17	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 20:17	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:17	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:17	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 20:17	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 20:17	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:17	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 20:17	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 20:17	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 20:17	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 20:17	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 20:17	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 20:17	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 20:17	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-6M **Lab ID: 40244176007** Collected: 04/26/22 13:29 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 20:17	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 20:17	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 20:17	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/05/22 20:17	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:17	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 20:17	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:17	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:17	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 20:17	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 20:17	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 20:17	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 20:17	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:17	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 20:17	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/05/22 20:17	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 20:17	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:17	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 20:17	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 20:17	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/05/22 20:17	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:17	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/05/22 20:17	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 20:17	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 20:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		05/05/22 20:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/05/22 20:17	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		05/05/22 20:17	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**282**	umhos/cm			1		04/26/22 13:29		
Oxygen, Dissolved	**0.15**	mg/L			1		04/26/22 13:29	7782-44-7	
REDOX	**20.5**	mV			1		04/26/22 13:29		
Static Water Level	**645.29**	feet			1		04/26/22 13:29		
Temperature, Water (C)	**10.36**	deg C			1		04/26/22 13:29		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**147**	mg/L	25.0	5.2	1		05/04/22 12:46		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.8**	mg/L	0.50	0.12	1		05/03/22 21:27	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	0.50	0.12	1		05/03/22 21:27	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-6M **Lab ID: 40244176007** Collected: 04/26/22 13:29 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.8**	mg/L	0.50	0.12	1		05/03/22 21:27	7440-44-0	
Total Organic Carbon	**2.9**	mg/L	0.50	0.12	1		05/03/22 21:27	7440-44-0	
Mean Total Organic Carbon	**2.8**	mg/L	0.50	0.12	1		05/03/22 21:27	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-7M **Lab ID: 40244176008** Collected: 04/25/22 13:37 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:18	7440-38-2	
Barium, Dissolved	**298**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:18	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:18	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:18	7440-48-4	
Iron, Dissolved	**1900**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:18	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:18	7439-92-1	
Manganese, Dissolved	**696**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:18	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:18	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:44	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:22	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 02:22	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 02:22	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:22	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 02:22	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 02:22	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 02:22	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 02:22	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 02:22	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 02:22	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 02:22	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:22	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 02:22	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 02:22	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 02:22	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 02:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 02:22	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 02:22	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:22	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:22	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 02:22	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 02:22	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:22	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 02:22	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 02:22	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 02:22	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 02:22	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 02:22	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 02:22	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 02:22	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-7M **Lab ID: 40244176008** Collected: 04/25/22 13:37 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 02:22	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 02:22	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 02:22	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 02:22	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:22	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 02:22	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:22	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:22	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 02:22	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 02:22	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 02:22	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 02:22	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:22	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 02:22	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 02:22	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 02:22	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:22	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 02:22	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 02:22	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 02:22	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:22	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 02:22	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 02:22	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 02:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/04/22 02:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/04/22 02:22	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/04/22 02:22	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**393**	umhos/cm			1		04/25/22 13:37		
REDOX	**-5.8**	mV			1		04/25/22 13:37		
Static Water Level	**645.38**	feet			1		04/25/22 13:37		
Temperature, Water (C)	**10.26**	deg C			1		04/25/22 13:37		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**215**	mg/L	25.0	5.2	1		05/04/22 12:32		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/03/22 21:49	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/03/22 21:49	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/03/22 21:49	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-7M **Lab ID: 40244176008** Collected: 04/25/22 13:37 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/03/22 21:49	7440-44-0	
Mean Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/03/22 21:49	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-8S **Lab ID: 40244176009** Collected: 04/28/22 12:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:21	7440-38-2	
Barium, Dissolved	**36.8**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:21	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:21	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:21	7440-48-4	
Iron, Dissolved	**<56.7**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:21	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:21	7439-92-1	
Manganese, Dissolved	**97.2**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:21	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:21	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:37	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 20:37	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 20:37	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:37	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 20:37	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/05/22 20:37	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 20:37	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 20:37	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 20:37	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 20:37	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 20:37	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:37	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 20:37	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 20:37	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 20:37	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 20:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 20:37	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 20:37	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:37	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:37	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 20:37	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 20:37	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:37	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 20:37	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 20:37	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 20:37	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 20:37	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 20:37	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 20:37	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 20:37	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-8S **Lab ID: 40244176009** Collected: 04/28/22 12:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 20:37	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 20:37	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 20:37	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/05/22 20:37	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:37	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 20:37	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:37	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:37	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 20:37	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 20:37	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 20:37	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 20:37	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:37	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 20:37	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/05/22 20:37	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 20:37	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:37	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 20:37	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 20:37	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/05/22 20:37	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:37	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/05/22 20:37	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 20:37	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 20:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	115	%	70-130		1		05/05/22 20:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/05/22 20:37	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		05/05/22 20:37	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**476**	umhos/cm			1		04/28/22 12:06		
Oxygen, Dissolved	**8.90**	mg/L			1		04/28/22 12:06	7782-44-7	
REDOX	**20.0**	mV			1		04/28/22 12:06		
Static Water Level	**645.36**	feet			1		04/28/22 12:06		
Temperature, Water (C)	**8.84**	deg C			1		04/28/22 12:06		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**250**	mg/L	25.0	5.2	1		05/04/22 15:52		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/03/22 22:10	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/03/22 22:10	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-8S **Lab ID: 40244176009** Collected: 04/28/22 12:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/03/22 22:10	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/03/22 22:10	7440-44-0	
Mean Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/03/22 22:10	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-8M **Lab ID: 40244176010** Collected: 04/28/22 12:28 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:23	7440-38-2	
Barium, Dissolved	**930**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:23	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:23	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:23	7440-48-4	
Iron, Dissolved	**273**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:23	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:23	7439-92-1	
Manganese, Dissolved	**3640**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:23	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:23	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:53	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:57	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 20:57	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 20:57	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:57	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 20:57	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/05/22 20:57	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 20:57	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 20:57	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 20:57	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 20:57	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 20:57	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:57	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 20:57	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 20:57	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 20:57	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 20:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 20:57	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 20:57	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 20:57	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:57	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 20:57	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 20:57	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:57	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 20:57	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 20:57	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 20:57	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 20:57	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 20:57	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 20:57	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 20:57	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-8M **Lab ID: 40244176010** Collected: 04/28/22 12:28 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 20:57	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 20:57	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 20:57	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/05/22 20:57	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:57	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 20:57	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/05/22 20:57	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:57	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 20:57	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 20:57	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 20:57	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 20:57	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:57	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 20:57	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/05/22 20:57	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 20:57	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 20:57	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 20:57	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 20:57	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/05/22 20:57	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/05/22 20:57	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/05/22 20:57	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 20:57	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 20:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		05/05/22 20:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/05/22 20:57	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/05/22 20:57	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**491**	umhos/cm			1		04/28/22 12:28		
Oxygen, Dissolved	**2.78**	mg/L			1		04/28/22 12:28	7782-44-7	
REDOX	**12.6**	mV			1		04/28/22 12:28		
Static Water Level	**645.31**	feet			1		04/28/22 12:28		
Temperature, Water (C)	**10.41**	deg C			1		04/28/22 12:28		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**254**	mg/L	25.0	5.2	1		05/04/22 15:53		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.2**	mg/L	0.50	0.12	1		05/03/22 22:31	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.50	0.12	1		05/03/22 22:31	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-8M **Lab ID: 40244176010** Collected: 04/28/22 12:28 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.2**	mg/L	0.50	0.12	1		05/03/22 22:31	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.50	0.12	1		05/03/22 22:31	7440-44-0	
Mean Total Organic Carbon	**2.2**	mg/L	0.50	0.12	1		05/03/22 22:31	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-9M **Lab ID: 40244176011** Collected: 04/28/22 11:25 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:26	7440-38-2	
Barium, Dissolved	**191**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:26	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:26	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:26	7440-48-4	
Iron, Dissolved	**2510**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:26	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:26	7439-92-1	
Manganese, Dissolved	**974**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:26	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:26	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:56	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 02:43	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 02:43	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:43	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 02:43	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 02:43	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 02:43	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 02:43	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 02:43	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 02:43	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 02:43	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:43	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 02:43	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 02:43	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 02:43	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 02:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 02:43	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 02:43	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:43	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:43	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 02:43	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 02:43	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:43	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 02:43	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 02:43	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 02:43	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 02:43	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 02:43	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 02:43	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 02:43	74-95-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-9M **Lab ID: 40244176011** Collected: 04/28/22 11:25 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 02:43	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 02:43	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 02:43	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 02:43	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:43	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 02:43	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:43	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:43	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 02:43	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 02:43	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 02:43	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 02:43	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:43	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 02:43	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 02:43	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 02:43	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:43	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 02:43	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 02:43	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 02:43	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:43	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 02:43	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 02:43	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 02:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		05/04/22 02:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/04/22 02:43	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		05/04/22 02:43	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**442**	umhos/cm			1		04/28/22 11:25		
Oxygen, Dissolved	**3.06**	mg/L			1		04/28/22 11:25	7782-44-7	
REDOX	**2.9**	mV			1		04/28/22 11:25		
Static Water Level	**644.96**	feet			1		04/28/22 11:25		
Temperature, Water (C)	**10.36**	deg C			1		04/28/22 11:25		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**188**	mg/L	25.0	5.2	1		05/04/22 15:54		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.4**	mg/L	0.50	0.12	1		05/03/22 22:53	7440-44-0	
Total Organic Carbon	**2.4**	mg/L	0.50	0.12	1		05/03/22 22:53	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-9M **Lab ID: 40244176011** Collected: 04/28/22 11:25 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.4**	mg/L	0.50	0.12	1		05/03/22 22:53	7440-44-0	
Total Organic Carbon	**2.5**	mg/L	0.50	0.12	1		05/03/22 22:53	7440-44-0	
Mean Total Organic Carbon	**2.4**	mg/L	0.50	0.12	1		05/03/22 22:53	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-10M **Lab ID: 40244176012** Collected: 04/26/22 15:33 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:28	7440-38-2	
Barium, Dissolved	**61.0**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:28	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:28	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:28	7440-48-4	
Iron, Dissolved	**145**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:28	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:28	7439-92-1	
Manganese, Dissolved	**1620**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:28	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:28	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 09:58	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field Specific Conductance	**396**	umhos/cm			1		04/26/22 15:33		
Oxygen, Dissolved	**0.10**	mg/L			1		04/26/22 15:33	7782-44-7	
REDOX	**22.9**	mV			1		04/26/22 15:33		
Static Water Level	**644.97**	feet			1		04/26/22 15:33		
Temperature, Water (C)	**10.68**	deg C			1		04/26/22 15:33		
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**187**	mg/L	25.0	5.2	1		05/04/22 12:47		
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.0**	mg/L	0.50	0.12	1		05/03/22 23:14	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	0.50	0.12	1		05/03/22 23:14	7440-44-0	
Total Organic Carbon	**2.1**	mg/L	0.50	0.12	1		05/03/22 23:14	7440-44-0	
Total Organic Carbon	**2.1**	mg/L	0.50	0.12	1		05/03/22 23:14	7440-44-0	
Mean Total Organic Carbon	**2.1**	mg/L	0.50	0.12	1		05/03/22 23:14	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-11M **Lab ID: 40244176013** Collected: 04/28/22 10:42 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:31	7440-38-2	
Barium, Dissolved	**230**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:31	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:31	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:31	7440-48-4	
Iron, Dissolved	**3520**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:31	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:31	7439-92-1	
Manganese, Dissolved	**1310**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:31	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:31	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 10:00	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 03:03	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 03:03	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 03:03	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 03:03	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 03:03	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 03:03	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 03:03	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 03:03	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 03:03	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 03:03	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 03:03	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 03:03	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 03:03	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 03:03	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 03:03	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 03:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 03:03	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 03:03	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 03:03	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 03:03	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 03:03	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 03:03	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 03:03	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 03:03	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 03:03	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 03:03	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 03:03	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 03:03	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 03:03	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 03:03	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-11M **Lab ID: 40244176013** Collected: 04/28/22 10:42 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 03:03	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 03:03	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 03:03	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 03:03	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 03:03	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 03:03	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 03:03	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 03:03	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 03:03	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 03:03	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 03:03	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 03:03	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 03:03	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 03:03	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 03:03	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 03:03	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 03:03	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 03:03	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 03:03	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 03:03	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 03:03	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 03:03	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 03:03	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 03:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/04/22 03:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/04/22 03:03	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		05/04/22 03:03	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**438**	umhos/cm			1		04/28/22 10:42		
Oxygen, Dissolved	**2.99**	mg/L			1		04/28/22 10:42	7782-44-7	
REDOX	**6.2**	mV			1		04/28/22 10:42		
Static Water Level	**645.05**	feet			1		04/28/22 10:42		
Temperature, Water (C)	**10.38**	deg C			1		04/28/22 10:42		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**187**	mg/L	25.0	5.2	1		05/04/22 15:55		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/03/22 23:36	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.50	0.12	1		05/03/22 23:36	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-11M **Lab ID: 40244176013** Collected: 04/28/22 10:42 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.1**	mg/L	0.50	0.12	1		05/03/22 23:36	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.50	0.12	1		05/03/22 23:36	7440-44-0	
Mean Total Organic Carbon	**1.1**	mg/L	0.50	0.12	1		05/03/22 23:36	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-12S **Lab ID: 40244176014** Collected: 04/25/22 12:53 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:38	7440-38-2	
Barium, Dissolved	**20.4**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:38	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:38	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:38	7440-48-4	
Iron, Dissolved	**<56.7**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:38	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:38	7439-92-1	
Manganese, Dissolved	**<1.5**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:38	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:38	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 10:03	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:16	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 21:16	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 21:16	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:16	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 21:16	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/05/22 21:16	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 21:16	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 21:16	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 21:16	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 21:16	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 21:16	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 21:16	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 21:16	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 21:16	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 21:16	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 21:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 21:16	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 21:16	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:16	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 21:16	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 21:16	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 21:16	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 21:16	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 21:16	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 21:16	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 21:16	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 21:16	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 21:16	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 21:16	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 21:16	74-95-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-12S **Lab ID: 40244176014** Collected: 04/25/22 12:53 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 21:16	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 21:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 21:16	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/05/22 21:16	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 21:16	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 21:16	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/05/22 21:16	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 21:16	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 21:16	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 21:16	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 21:16	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 21:16	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 21:16	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 21:16	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/05/22 21:16	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 21:16	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 21:16	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 21:16	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 21:16	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/05/22 21:16	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/05/22 21:16	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/05/22 21:16	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 21:16	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 21:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		05/05/22 21:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/05/22 21:16	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		05/05/22 21:16	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**435**	umhos/cm			1		04/25/22 12:53		
Oxygen, Dissolved	**5.31**	mg/L			1		04/25/22 12:53	7782-44-7	
REDOX	**27.4**	mV			1		04/25/22 12:53		
Static Water Level	**645.31**	feet			1		04/25/22 12:53		
Temperature, Water (C)	**8.88**	deg C			1		04/25/22 12:53		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**228**	mg/L	25.0	5.2	1		05/04/22 12:33		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**0.78**	mg/L	0.50	0.12	1		05/03/22 23:57	7440-44-0	
Total Organic Carbon	**0.76**	mg/L	0.50	0.12	1		05/03/22 23:57	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-12S **Lab ID: 40244176014** Collected: 04/25/22 12:53 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**0.76**	mg/L	0.50	0.12	1		05/03/22 23:57	7440-44-0	
Total Organic Carbon	**0.76**	mg/L	0.50	0.12	1		05/03/22 23:57	7440-44-0	
Mean Total Organic Carbon	**0.77**	mg/L	0.50	0.12	1		05/03/22 23:57	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-14S **Lab ID: 40244176015** Collected: 04/27/22 11:12 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:40	7440-38-2	
Barium, Dissolved	**83.4**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:40	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:40	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:40	7440-48-4	
Iron, Dissolved	**4190**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:40	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:40	7439-92-1	
Manganese, Dissolved	**552**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:40	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:40	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 10:05	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:36	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 21:36	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 21:36	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:36	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 21:36	75-35-4	
1,2,4-Trimethylbenzene	**3.2**	ug/L	1.0	0.45	1		05/05/22 21:36	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 21:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 21:36	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 21:36	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 21:36	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 21:36	78-87-5	
1,3,5-Trimethylbenzene	**0.43J**	ug/L	1.0	0.36	1		05/05/22 21:36	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 21:36	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 21:36	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 21:36	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 21:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 21:36	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 21:36	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:36	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 21:36	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 21:36	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 21:36	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 21:36	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 21:36	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 21:36	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 21:36	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 21:36	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 21:36	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 21:36	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 21:36	74-95-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-14S **Lab ID: 40244176015** Collected: 04/27/22 11:12 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 21:36	75-71-8	
Ethylbenzene	**0.62J**	ug/L	1.0	0.33	1		05/05/22 21:36	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 21:36	87-68-3	
Isopropylbenzene (Cumene)	**1.6J**	ug/L	5.0	1.0	1		05/05/22 21:36	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 21:36	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 21:36	75-09-2	
Naphthalene	**28.2**	ug/L	5.0	1.1	1		05/05/22 21:36	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 21:36	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 21:36	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 21:36	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 21:36	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 21:36	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 21:36	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 21:36	75-01-4	
Xylene (Total)	**1.5J**	ug/L	3.0	1.0	1		05/05/22 21:36	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 21:36	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 21:36	10061-01-5	
n-Butylbenzene	**2.1**	ug/L	1.0	0.86	1		05/05/22 21:36	104-51-8	
n-Propylbenzene	**2.5**	ug/L	1.0	0.35	1		05/05/22 21:36	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/05/22 21:36	99-87-6	
sec-Butylbenzene	**1.5**	ug/L	1.0	0.42	1		05/05/22 21:36	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/05/22 21:36	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 21:36	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 21:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		1		05/05/22 21:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/05/22 21:36	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		05/05/22 21:36	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**343**	umhos/cm			1		04/27/22 11:12		
Oxygen, Dissolved	**1.51**	mg/L			1		04/27/22 11:12	7782-44-7	
REDOX	**27.4**	mV			1		04/27/22 11:12		
Static Water Level	**645.76**	feet			1		04/27/22 11:12		
Temperature, Water (C)	**8.05**	deg C			1		04/27/22 11:12		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**182**	mg/L	25.0	5.2	1		05/04/22 13:02		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.6**	mg/L	0.50	0.12	1		05/04/22 00:18	7440-44-0	
Total Organic Carbon	**2.7**	mg/L	0.50	0.12	1		05/04/22 00:18	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-14S **Lab ID: 40244176015** Collected: 04/27/22 11:12 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.7**	mg/L	0.50	0.12	1		05/04/22 00:18	7440-44-0	
Total Organic Carbon	**2.7**	mg/L	0.50	0.12	1		05/04/22 00:18	7440-44-0	
Mean Total Organic Carbon	**2.7**	mg/L	0.50	0.12	1		05/04/22 00:18	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-15M **Lab ID: 40244176016** Collected: 04/26/22 12:13 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:43	7440-38-2	
Barium, Dissolved	**496**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:43	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:43	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:43	7440-48-4	
Iron, Dissolved	**253**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:43	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:43	7439-92-1	
Manganese, Dissolved	**1720**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:43	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:43	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 10:07	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:56	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 21:56	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 21:56	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:56	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 21:56	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/05/22 21:56	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 21:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 21:56	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 21:56	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 21:56	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 21:56	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 21:56	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 21:56	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 21:56	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 21:56	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 21:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 21:56	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 21:56	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 21:56	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 21:56	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 21:56	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 21:56	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 21:56	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 21:56	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 21:56	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 21:56	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 21:56	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 21:56	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 21:56	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 21:56	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-15M **Lab ID: 40244176016** Collected: 04/26/22 12:13 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 21:56	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 21:56	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 21:56	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/05/22 21:56	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 21:56	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 21:56	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/05/22 21:56	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 21:56	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 21:56	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 21:56	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 21:56	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 21:56	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 21:56	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 21:56	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/05/22 21:56	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 21:56	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 21:56	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 21:56	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 21:56	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/05/22 21:56	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/05/22 21:56	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/05/22 21:56	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 21:56	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 21:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		05/05/22 21:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/05/22 21:56	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		05/05/22 21:56	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**243**	umhos/cm			1		04/26/22 12:13		
Oxygen, Dissolved	**0.30**	mg/L			1		04/26/22 12:13	7782-44-7	
REDOX	**17.3**	mV			1		04/26/22 12:13		
Static Water Level	**645.26**	feet			1		04/26/22 12:13		
Temperature, Water (C)	**10.28**	deg C			1		04/26/22 12:13		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**123**	mg/L	25.0	5.2	1		05/04/22 12:48		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.5**	mg/L	0.50	0.12	1		05/04/22 01:02	7440-44-0	
Total Organic Carbon	**2.7**	mg/L	0.50	0.12	1		05/04/22 01:02	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-15M **Lab ID: 40244176016** Collected: 04/26/22 12:13 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.8**	mg/L	0.50	0.12	1		05/04/22 01:02	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	0.50	0.12	1		05/04/22 01:02	7440-44-0	
Mean Total Organic Carbon	**2.7**	mg/L	0.50	0.12	1		05/04/22 01:02	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-16S **Lab ID: 40244176017** Collected: 04/27/22 15:05 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:45	7440-38-2	
Barium, Dissolved	**188**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:45	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:45	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:45	7440-48-4	
Iron, Dissolved	**16900**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:45	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:45	7439-92-1	
Manganese, Dissolved	**2050**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:45	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:45	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 10:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 01:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 01:01	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 01:01	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 01:01	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 01:01	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 01:01	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 01:01	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 01:01	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 01:01	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 01:01	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 01:01	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:01	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 01:01	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 01:01	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 01:01	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 01:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 01:01	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 01:01	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 01:01	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 01:01	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 01:01	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 01:01	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 01:01	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 01:01	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 01:01	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 01:01	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 01:01	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 01:01	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 01:01	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 01:01	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-16S **Lab ID: 40244176017** Collected: 04/27/22 15:05 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 01:01	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 01:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 01:01	87-68-3	
Isopropylbenzene (Cumene)	**41.6**	ug/L	5.0	1.0	1		05/04/22 01:01	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 01:01	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 01:01	75-09-2	
Naphthalene	**27.3**	ug/L	5.0	1.1	1		05/04/22 01:01	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:01	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 01:01	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 01:01	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 01:01	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 01:01	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 01:01	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 01:01	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 01:01	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 01:01	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:01	10061-01-5	
n-Butylbenzene	**12.5**	ug/L	1.0	0.86	1		05/04/22 01:01	104-51-8	
n-Propylbenzene	**90.2**	ug/L	1.0	0.35	1		05/04/22 01:01	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 01:01	99-87-6	
sec-Butylbenzene	**26.1**	ug/L	1.0	0.42	1		05/04/22 01:01	135-98-8	
tert-Butylbenzene	**17.3**	ug/L	1.0	0.59	1		05/04/22 01:01	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 01:01	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 01:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/04/22 01:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/04/22 01:01	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		05/04/22 01:01	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**708**	umhos/cm			1		04/27/22 15:05		
Oxygen, Dissolved	**4.16**	mg/L			1		04/27/22 15:05	7782-44-7	
REDOX	**13.5**	mV			1		04/27/22 15:05		
Static Water Level	**645.52**	feet			1		04/27/22 15:05		
Temperature, Water (C)	**9.25**	deg C			1		04/27/22 15:05		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**370**	mg/L	50.0	10.4	2		05/04/22 13:03		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.9**	mg/L	0.50	0.12	1		05/04/22 01:25	7440-44-0	
Total Organic Carbon	**3.9**	mg/L	0.50	0.12	1		05/04/22 01:25	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-16S **Lab ID: 40244176017** Collected: 04/27/22 15:05 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.0**	mg/L	0.50	0.12	1		05/04/22 01:25	7440-44-0	
Total Organic Carbon	**4.0**	mg/L	0.50	0.12	1		05/04/22 01:25	7440-44-0	
Mean Total Organic Carbon	**4.0**	mg/L	0.50	0.12	1		05/04/22 01:25	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-16M **Lab ID: 40244176018** Collected: 04/27/22 14:40 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**20.1J**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:48	7440-38-2	
Barium, Dissolved	**1680**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:48	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:48	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:48	7440-48-4	
Iron, Dissolved	**24100**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:48	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:48	7439-92-1	
Manganese, Dissolved	**1710**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:48	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:48	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 10:12	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 01:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 01:21	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 01:21	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 01:21	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 01:21	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 01:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 01:21	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 01:21	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 01:21	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 01:21	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 01:21	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:21	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 01:21	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 01:21	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 01:21	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 01:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 01:21	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 01:21	67-64-1	
Benzene	**0.92J**	ug/L	1.0	0.30	1		05/04/22 01:21	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 01:21	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 01:21	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 01:21	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 01:21	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 01:21	56-23-5	
Chlorobenzene	**0.88J**	ug/L	1.0	0.86	1		05/04/22 01:21	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 01:21	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 01:21	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 01:21	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 01:21	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 01:21	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-16M **Lab ID: 40244176018** Collected: 04/27/22 14:40 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 01:21	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 01:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 01:21	87-68-3	
Isopropylbenzene (Cumene)	**35.0**	ug/L	5.0	1.0	1		05/04/22 01:21	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 01:21	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 01:21	75-09-2	
Naphthalene	**15.3**	ug/L	5.0	1.1	1		05/04/22 01:21	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:21	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 01:21	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 01:21	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 01:21	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 01:21	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 01:21	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 01:21	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 01:21	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 01:21	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 01:21	10061-01-5	
n-Butylbenzene	**2.6**	ug/L	1.0	0.86	1		05/04/22 01:21	104-51-8	
n-Propylbenzene	**26.0**	ug/L	1.0	0.35	1		05/04/22 01:21	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 01:21	99-87-6	
sec-Butylbenzene	**10.6**	ug/L	1.0	0.42	1		05/04/22 01:21	135-98-8	
tert-Butylbenzene	**13.3**	ug/L	1.0	0.59	1		05/04/22 01:21	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 01:21	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 01:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/04/22 01:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/04/22 01:21	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		05/04/22 01:21	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**578**	umhos/cm			1		04/27/22 14:40		
Oxygen, Dissolved	**3.14**	mg/L			1		04/27/22 14:40	7782-44-7	
REDOX	**-13.7**	mV			1		04/27/22 14:40		
Static Water Level	**645.53**	feet			1		04/27/22 14:40		
Temperature, Water (C)	**11.52**	deg C			1		04/27/22 14:40		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**291**	mg/L	25.0	5.2	1		05/04/22 13:08		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.1**	mg/L	1.0	0.23	2		05/12/22 09:04	7440-44-0	
Total Organic Carbon	**4.2**	mg/L	1.0	0.23	2		05/12/22 09:04	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-16M **Lab ID: 40244176018** Collected: 04/27/22 14:40 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.3**	mg/L	1.0	0.23	2		05/12/22 09:04	7440-44-0	
Total Organic Carbon	**4.3**	mg/L	1.0	0.23	2		05/12/22 09:04	7440-44-0	
Mean Total Organic Carbon	**4.2**	mg/L	1.0	0.23	2		05/12/22 09:04	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-17S **Lab ID: 40244176019** Collected: 04/26/22 10:55 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:50	7440-38-2	
Barium, Dissolved	**149**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:50	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:50	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:50	7440-48-4	
Iron, Dissolved	**6920**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:50	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:50	7439-92-1	
Manganese, Dissolved	**803**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:50	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:50	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 10:19	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		05/04/22 04:04	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/L	5.0	1.9	5		05/04/22 04:04	79-34-5	
1,1,2-Trichloroethane	**<1.7**	ug/L	25.0	1.7	5		05/04/22 04:04	79-00-5	
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		05/04/22 04:04	75-34-3	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		05/04/22 04:04	75-35-4	
1,2,4-Trimethylbenzene	**287**	ug/L	5.0	2.2	5		05/04/22 04:04	95-63-6	
1,2-Dibromo-3-chloropropane	**<11.8**	ug/L	25.0	11.8	5		05/04/22 04:04	96-12-8	
1,2-Dibromoethane (EDB)	**<1.5**	ug/L	5.0	1.5	5		05/04/22 04:04	106-93-4	
1,2-Dichlorobenzene	**<1.6**	ug/L	5.0	1.6	5		05/04/22 04:04	95-50-1	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		05/04/22 04:04	107-06-2	
1,2-Dichloropropane	**<2.2**	ug/L	5.0	2.2	5		05/04/22 04:04	78-87-5	
1,3,5-Trimethylbenzene	**<1.8**	ug/L	5.0	1.8	5		05/04/22 04:04	108-67-8	
1,3-Dichlorobenzene	**<1.8**	ug/L	5.0	1.8	5		05/04/22 04:04	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/L	5.0	4.5	5		05/04/22 04:04	106-46-7	
2-Butanone (MEK)	**<32.6**	ug/L	125	32.6	5		05/04/22 04:04	78-93-3	
2-Hexanone	**<31.4**	ug/L	125	31.4	5		05/04/22 04:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<29.8**	ug/L	125	29.8	5		05/04/22 04:04	108-10-1	
Acetone	**<43.2**	ug/L	125	43.2	5		05/04/22 04:04	67-64-1	
Benzene	**<1.5**	ug/L	5.0	1.5	5		05/04/22 04:04	71-43-2	
Bromodichloromethane	**<2.1**	ug/L	5.0	2.1	5		05/04/22 04:04	75-27-4	
Bromoform	**<19.0**	ug/L	25.0	19.0	5		05/04/22 04:04	75-25-2	
Bromomethane	**<6.0**	ug/L	25.0	6.0	5		05/04/22 04:04	74-83-9	
Carbon disulfide	**<5.5**	ug/L	25.0	5.5	5		05/04/22 04:04	75-15-0	
Carbon tetrachloride	**<1.8**	ug/L	5.0	1.8	5		05/04/22 04:04	56-23-5	
Chlorobenzene	**<4.3**	ug/L	5.0	4.3	5		05/04/22 04:04	108-90-7	
Chloroethane	**<6.9**	ug/L	25.0	6.9	5		05/04/22 04:04	75-00-3	
Chloroform	**<5.9**	ug/L	25.0	5.9	5		05/04/22 04:04	67-66-3	
Chloromethane	**<8.2**	ug/L	25.0	8.2	5		05/04/22 04:04	74-87-3	
Dibromochloromethane	**<13.2**	ug/L	25.0	13.2	5		05/04/22 04:04	124-48-1	
Dibromomethane	**<5.0**	ug/L	25.0	5.0	5		05/04/22 04:04	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-17S **Lab ID: 40244176019** Collected: 04/26/22 10:55 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<2.3**	ug/L	25.0	2.3	5		05/04/22 04:04	75-71-8	
Ethylbenzene	**<1.6**	ug/L	5.0	1.6	5		05/04/22 04:04	100-41-4	
Hexachloro-1,3-butadiene	**<13.7**	ug/L	25.0	13.7	5		05/04/22 04:04	87-68-3	
Isopropylbenzene (Cumene)	**6.0J**	ug/L	25.0	5.0	5		05/04/22 04:04	98-82-8	
Methyl-tert-butyl ether	**<5.6**	ug/L	25.0	5.6	5		05/04/22 04:04	1634-04-4	
Methylene Chloride	**<1.6**	ug/L	25.0	1.6	5		05/04/22 04:04	75-09-2	
Naphthalene	**<5.6**	ug/L	25.0	5.6	5		05/04/22 04:04	91-20-3	
Styrene	**<1.8**	ug/L	5.0	1.8	5		05/04/22 04:04	100-42-5	
Tetrachloroethene	**<2.0**	ug/L	5.0	2.0	5		05/04/22 04:04	127-18-4	
Tetrahydrofuran	**<12.1**	ug/L	125	12.1	5		05/04/22 04:04	109-99-9	
Toluene	**<1.4**	ug/L	5.0	1.4	5		05/04/22 04:04	108-88-3	
Trichloroethene	**<1.6**	ug/L	5.0	1.6	5		05/04/22 04:04	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	5.0	2.1	5		05/04/22 04:04	75-69-4	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		05/04/22 04:04	75-01-4	
Xylene (Total)	**<5.2**	ug/L	15.0	5.2	5		05/04/22 04:04	1330-20-7	
cis-1,2-Dichloroethene	**<2.4**	ug/L	5.0	2.4	5		05/04/22 04:04	156-59-2	
cis-1,3-Dichloropropene	**<1.8**	ug/L	5.0	1.8	5		05/04/22 04:04	10061-01-5	
n-Butylbenzene	**<4.3**	ug/L	5.0	4.3	5		05/04/22 04:04	104-51-8	
n-Propylbenzene	**11.4**	ug/L	5.0	1.7	5		05/04/22 04:04	103-65-1	
p-Isopropyltoluene	**<5.2**	ug/L	25.0	5.2	5		05/04/22 04:04	99-87-6	
sec-Butylbenzene	**11.6**	ug/L	5.0	2.1	5		05/04/22 04:04	135-98-8	
tert-Butylbenzene	**5.0J**	ug/L	5.0	2.9	5		05/04/22 04:04	98-06-6	
trans-1,2-Dichloroethene	**<2.6**	ug/L	5.0	2.6	5		05/04/22 04:04	156-60-5	
trans-1,3-Dichloropropene	**<17.3**	ug/L	25.0	17.3	5		05/04/22 04:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		5		05/04/22 04:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		5		05/04/22 04:04	2199-69-1	
Toluene-d8 (S)	98	%	70-130		5		05/04/22 04:04	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**365**	umhos/cm			1		04/26/22 10:55		
Oxygen, Dissolved	**0.93**	mg/L			1		04/26/22 10:55	7782-44-7	
REDOX	**11.5**	mV			1		04/26/22 10:55		
Static Water Level	**645.63**	feet			1		04/26/22 10:55		
Temperature, Water (C)	**8.53**	deg C			1		04/26/22 10:55		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**191**	mg/L	25.0	5.2	1		05/04/22 12:49		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 10:14	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 10:14	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-17S **Lab ID: 40244176019** Collected: 04/26/22 10:55 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.9**	mg/L	0.50	0.12	1		05/12/22 10:14	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.50	0.12	1		05/12/22 10:14	7440-44-0	
Mean Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 10:14	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-17M **Lab ID: 40244176020** Collected: 04/26/22 10:22 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**10.7J**	ug/L	25.0	8.3	1	05/03/22 06:14	05/03/22 21:53	7440-38-2	
Barium, Dissolved	**528**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:53	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/03/22 06:14	05/03/22 21:53	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/03/22 06:14	05/03/22 21:53	7440-48-4	
Iron, Dissolved	**5270**	ug/L	100	56.7	1	05/03/22 06:14	05/03/22 21:53	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/03/22 06:14	05/03/22 21:53	7439-92-1	
Manganese, Dissolved	**791**	ug/L	5.0	1.5	1	05/03/22 06:14	05/03/22 21:53	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/03/22 06:14	05/03/22 21:53	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/04/22 09:35	05/05/22 10:21	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 22:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 22:15	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 22:15	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 22:15	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 22:15	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/05/22 22:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 22:15	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 22:15	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 22:15	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 22:15	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 22:15	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 22:15	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 22:15	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 22:15	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 22:15	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 22:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 22:15	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 22:15	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 22:15	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 22:15	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 22:15	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 22:15	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 22:15	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 22:15	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 22:15	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 22:15	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 22:15	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 22:15	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 22:15	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 22:15	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-17M **Lab ID: 40244176020** Collected: 04/26/22 10:22 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 22:15	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 22:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 22:15	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/05/22 22:15	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 22:15	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 22:15	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/05/22 22:15	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 22:15	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 22:15	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 22:15	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 22:15	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 22:15	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 22:15	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 22:15	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/05/22 22:15	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 22:15	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 22:15	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 22:15	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 22:15	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/05/22 22:15	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/05/22 22:15	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/05/22 22:15	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 22:15	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 22:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		05/05/22 22:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/05/22 22:15	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		05/05/22 22:15	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**322**	umhos/cm			1		04/26/22 10:22		
Oxygen, Dissolved	**2.45**	mg/L			1		04/26/22 10:22	7782-44-7	
REDOX	**-15.6**	mV			1		04/26/22 10:22		
Static Water Level	**645.72**	feet			1		04/26/22 10:22		
Temperature, Water (C)	**10.47**	deg C			1		04/26/22 10:22		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**165**	mg/L	25.0	5.2	1		05/04/22 12:50		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.4**	mg/L	0.50	0.12	1		05/12/22 11:23	7440-44-0	
Total Organic Carbon	**4.4**	mg/L	0.50	0.12	1		05/12/22 11:23	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-17M **Lab ID: 40244176020** Collected: 04/26/22 10:22 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.3**	mg/L	0.50	0.12	1		05/12/22 11:23	7440-44-0	
Total Organic Carbon	**4.4**	mg/L	0.50	0.12	1		05/12/22 11:23	7440-44-0	
Mean Total Organic Carbon	**4.4**	mg/L	0.50	0.12	1		05/12/22 11:23	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-1 **Lab ID: 40244176021** Collected: 04/27/22 10:51 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:08	7440-38-2	
Barium, Dissolved	**106**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:08	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:08	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:08	7440-48-4	
Iron, Dissolved	**<56.7**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:08	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:08	7439-92-1	
Manganese, Dissolved	**1600**	ug/L	50.0	15.4	10	05/04/22 05:38	05/05/22 15:37	7439-96-5	P6
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:08	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:32	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 03:24	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 03:24	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 03:24	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 03:24	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 03:24	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 03:24	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 03:24	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 03:24	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 03:24	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 03:24	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 03:24	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 03:24	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 03:24	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 03:24	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 03:24	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 03:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 03:24	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 03:24	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 03:24	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 03:24	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 03:24	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 03:24	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 03:24	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 03:24	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 03:24	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 03:24	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 03:24	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 03:24	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 03:24	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 03:24	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-1 **Lab ID: 40244176021** Collected: 04/27/22 10:51 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 03:24	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 03:24	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 03:24	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 03:24	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 03:24	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 03:24	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 03:24	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 03:24	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 03:24	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 03:24	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 03:24	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 03:24	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 03:24	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 03:24	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 03:24	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 03:24	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 03:24	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 03:24	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 03:24	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 03:24	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 03:24	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 03:24	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 03:24	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 03:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/04/22 03:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/04/22 03:24	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		05/04/22 03:24	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**374**	umhos/cm			1		04/27/22 10:51		
Oxygen, Dissolved	**1.27**	mg/L			1		04/27/22 10:51	7782-44-7	
REDOX	**39.5**	mV			1		04/27/22 10:51		
Static Water Level	**645.66**	feet			1		04/27/22 10:51		
Temperature, Water (C)	**9.65**	deg C			1		04/27/22 10:51		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**192**	mg/L	25.0	5.2	1		05/04/22 13:09		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 11:47	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 11:47	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-1 **Lab ID: 40244176021** Collected: 04/27/22 10:51 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 11:47	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 11:47	7440-44-0	
Mean Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 11:47	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-2 **Lab ID: 40244176022** Collected: 04/27/22 11:45 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:18	7440-38-2	
Barium, Dissolved	**91.1**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:18	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:18	7440-43-9	
Cobalt, Dissolved	**2.1J**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:18	7440-48-4	
Iron, Dissolved	**20900**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:18	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:18	7439-92-1	
Manganese, Dissolved	**3120**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:18	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:18	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:39	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:02	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 02:02	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 02:02	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:02	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 02:02	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 02:02	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 02:02	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 02:02	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 02:02	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 02:02	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 02:02	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:02	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 02:02	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 02:02	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 02:02	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 02:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 02:02	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 02:02	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 02:02	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:02	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 02:02	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 02:02	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:02	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 02:02	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 02:02	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 02:02	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 02:02	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 02:02	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 02:02	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 02:02	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-2 **Lab ID: 40244176022** Collected: 04/27/22 11:45 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 02:02	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 02:02	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 02:02	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 02:02	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:02	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 02:02	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 02:02	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:02	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 02:02	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 02:02	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 02:02	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 02:02	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:02	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 02:02	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 02:02	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 02:02	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 02:02	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 02:02	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 02:02	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 02:02	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 02:02	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 02:02	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 02:02	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 02:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/04/22 02:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/04/22 02:02	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		05/04/22 02:02	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**414**	umhos/cm			1		04/27/22 11:45		
Oxygen, Dissolved	**1.48**	mg/L			1		04/27/22 11:45	7782-44-7	
REDOX	**12.5**	mV			1		04/27/22 11:45		
Static Water Level	**645.41**	feet			1		04/27/22 11:45		
Temperature, Water (C)	**8.43**	deg C			1		04/27/22 11:45		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**183**	mg/L	50.0	10.4	2		05/04/22 13:10		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**6.5**	mg/L	0.50	0.12	1		05/12/22 12:29	7440-44-0	
Total Organic Carbon	**6.4**	mg/L	0.50	0.12	1		05/12/22 12:29	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-2 **Lab ID: 40244176022** Collected: 04/27/22 11:45 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**6.5**	mg/L	0.50	0.12	1		05/12/22 12:29	7440-44-0	
Total Organic Carbon	**6.6**	mg/L	0.50	0.12	1		05/12/22 12:29	7440-44-0	
Mean Total Organic Carbon	**6.5**	mg/L	0.50	0.12	1		05/12/22 12:29	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-3 **Lab ID: 40244176023** Collected: 04/26/22 13:51 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:23	7440-38-2	
Barium, Dissolved	**143**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:23	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:23	7440-43-9	
Cobalt, Dissolved	**1.8J**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:23	7440-48-4	
Iron, Dissolved	**354**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:23	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:23	7439-92-1	
Manganese, Dissolved	**4860**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:23	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:23	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:41	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 13:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 13:21	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 13:21	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 13:21	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 13:21	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 13:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 13:21	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 13:21	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 13:21	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 13:21	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 13:21	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 13:21	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 13:21	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 13:21	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 13:21	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 13:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 13:21	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 13:21	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 13:21	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 13:21	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 13:21	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 13:21	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 13:21	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 13:21	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 13:21	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 13:21	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 13:21	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 13:21	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 13:21	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 13:21	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-3 **Lab ID: 40244176023** Collected: 04/26/22 13:51 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 13:21	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 13:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 13:21	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 13:21	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 13:21	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 13:21	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 13:21	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 13:21	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 13:21	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 13:21	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 13:21	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 13:21	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 13:21	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 13:21	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 13:21	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 13:21	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 13:21	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 13:21	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 13:21	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 13:21	99-87-6	
sec-Butylbenzene	**11.7**	ug/L	1.0	0.42	1		05/04/22 13:21	135-98-8	
tert-Butylbenzene	**9.4**	ug/L	1.0	0.59	1		05/04/22 13:21	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 13:21	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 13:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		05/04/22 13:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/04/22 13:21	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		05/04/22 13:21	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**420**	umhos/cm			1		04/26/22 13:51		
Oxygen, Dissolved	**0.18**	mg/L			1		04/26/22 13:51	7782-44-7	
REDOX	**21.6**	mV			1		04/26/22 13:51		
Static Water Level	**645.56**	feet			1		04/26/22 13:51		
Temperature, Water (C)	**9.93**	deg C			1		04/26/22 13:51		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**253**	mg/L	25.0	5.2	1		05/04/22 12:54		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 12:53	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 12:53	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-3 **Lab ID: 40244176023** Collected: 04/26/22 13:51 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 12:53	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 12:53	7440-44-0	
Mean Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 12:53	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-4 **Lab ID: 40244176024** Collected: 04/26/22 15:03 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:25	7440-38-2	
Barium, Dissolved	**299**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:25	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:25	7440-43-9	
Cobalt, Dissolved	**3.5J**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:25	7440-48-4	
Iron, Dissolved	**<56.7**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:25	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:25	7439-92-1	
Manganese, Dissolved	**3740**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:25	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:25	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:43	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 13:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 13:41	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 13:41	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 13:41	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 13:41	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 13:41	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 13:41	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 13:41	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 13:41	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 13:41	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 13:41	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 13:41	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 13:41	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 13:41	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 13:41	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 13:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 13:41	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 13:41	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 13:41	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 13:41	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 13:41	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 13:41	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 13:41	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 13:41	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 13:41	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 13:41	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 13:41	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 13:41	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 13:41	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 13:41	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-4 **Lab ID: 40244176024** Collected: 04/26/22 15:03 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 13:41	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 13:41	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 13:41	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 13:41	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 13:41	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 13:41	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 13:41	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 13:41	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 13:41	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 13:41	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 13:41	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 13:41	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 13:41	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 13:41	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 13:41	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 13:41	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 13:41	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 13:41	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 13:41	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 13:41	99-87-6	
sec-Butylbenzene	**0.48J**	ug/L	1.0	0.42	1		05/04/22 13:41	135-98-8	
tert-Butylbenzene	**5.6**	ug/L	1.0	0.59	1		05/04/22 13:41	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 13:41	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 13:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/04/22 13:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/04/22 13:41	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		05/04/22 13:41	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**566**	umhos/cm			1		04/26/22 15:03		
Oxygen, Dissolved	**0.21**	mg/L			1		04/26/22 15:03	7782-44-7	
REDOX	**20.6**	mV			1		04/26/22 15:03		
Static Water Level	**645.27**	feet			1		04/26/22 15:03		
Temperature, Water (C)	**9.78**	deg C			1		04/26/22 15:03		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**296**	mg/L	50.0	10.4	2		05/04/22 12:55		M0
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.3**	mg/L	0.50	0.12	1		05/12/22 13:14	7440-44-0	
Total Organic Carbon	**3.2**	mg/L	0.50	0.12	1		05/12/22 13:14	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-4 **Lab ID: 40244176024** Collected: 04/26/22 15:03 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.3**	mg/L	0.50	0.12	1		05/12/22 13:14	7440-44-0	
Total Organic Carbon	**3.3**	mg/L	0.50	0.12	1		05/12/22 13:14	7440-44-0	
Mean Total Organic Carbon	**3.3**	mg/L	0.50	0.12	1		05/12/22 13:14	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-5 **Lab ID: 40244176025** Collected: 04/25/22 12:25 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:32	7440-38-2	
Barium, Dissolved	**130**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:32	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:32	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:32	7440-48-4	
Iron, Dissolved	**4920**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:32	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:32	7439-92-1	
Manganese, Dissolved	**735**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:32	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:32	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:46	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 07:07	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/05/22 07:07	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/05/22 07:07	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/05/22 07:07	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/05/22 07:07	75-35-4	
1,2,4-Trimethylbenzene	**18.0**	ug/L	1.0	0.45	1		05/05/22 07:07	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/05/22 07:07	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/05/22 07:07	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 07:07	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/22 07:07	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/05/22 07:07	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 07:07	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/05/22 07:07	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/05/22 07:07	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/05/22 07:07	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/05/22 07:07	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/05/22 07:07	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/05/22 07:07	67-64-1	1q
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/05/22 07:07	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 07:07	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/05/22 07:07	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/05/22 07:07	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/05/22 07:07	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/05/22 07:07	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 07:07	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/05/22 07:07	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/05/22 07:07	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/05/22 07:07	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/05/22 07:07	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/05/22 07:07	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-5 **Lab ID: 40244176025** Collected: 04/25/22 12:25 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/05/22 07:07	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/22 07:07	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/05/22 07:07	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/05/22 07:07	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/05/22 07:07	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/05/22 07:07	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/05/22 07:07	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 07:07	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/05/22 07:07	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/05/22 07:07	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/05/22 07:07	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/05/22 07:07	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/05/22 07:07	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/05/22 07:07	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/05/22 07:07	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/22 07:07	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/05/22 07:07	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/05/22 07:07	104-51-8	
n-Propylbenzene	**0.56J**	ug/L	1.0	0.35	1		05/05/22 07:07	103-65-1	
p-Isopropyltoluene	**1.5J**	ug/L	5.0	1.0	1		05/05/22 07:07	99-87-6	
sec-Butylbenzene	**3.3**	ug/L	1.0	0.42	1		05/05/22 07:07	135-98-8	
tert-Butylbenzene	**0.72J**	ug/L	1.0	0.59	1		05/05/22 07:07	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/05/22 07:07	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/05/22 07:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		05/05/22 07:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		05/05/22 07:07	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/05/22 07:07	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**358**	umhos/cm			1		04/25/22 12:25		
Oxygen, Dissolved	**0.72**	mg/L			1		04/25/22 12:25	7782-44-7	
REDOX	**3.4**	mV			1		04/25/22 12:25		
Static Water Level	**645.47**	feet			1		04/25/22 12:25		
Temperature, Water (C)	**9.15**	deg C			1		04/25/22 12:25		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**204**	mg/L	25.0	5.2	1		05/04/22 12:34		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 13:37	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 13:37	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-5 **Lab ID: 40244176025** Collected: 04/25/22 12:25 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 13:37	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 13:37	7440-44-0	
Mean Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 13:37	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-6 **Lab ID: 40244176026** Collected: 04/25/22 12:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:35	7440-38-2	
Barium, Dissolved	**22.4**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:35	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:35	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:35	7440-48-4	
Iron, Dissolved	**<56.7**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:35	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:35	7439-92-1	
Manganese, Dissolved	**<1.5**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:35	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:35	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:48	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 14:01	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 14:01	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:01	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 14:01	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 14:01	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 14:01	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 14:01	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 14:01	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 14:01	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 14:01	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:01	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 14:01	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 14:01	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 14:01	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 14:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 14:01	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 14:01	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:01	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:01	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 14:01	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 14:01	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:01	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 14:01	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 14:01	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 14:01	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 14:01	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 14:01	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 14:01	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 14:01	74-95-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-6 **Lab ID: 40244176026** Collected: 04/25/22 12:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 14:01	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 14:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 14:01	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 14:01	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:01	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 14:01	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:01	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:01	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 14:01	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 14:01	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 14:01	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 14:01	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:01	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 14:01	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 14:01	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 14:01	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:01	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 14:01	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 14:01	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 14:01	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:01	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 14:01	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 14:01	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 14:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		05/04/22 14:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/04/22 14:01	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		05/04/22 14:01	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field Specific Conductance	**420**	umhos/cm			1		04/25/22 12:06		
Oxygen, Dissolved	**3.60**	mg/L			1		04/25/22 12:06	7782-44-7	
REDOX	**48.3**	mV			1		04/25/22 12:06		
Static Water Level	**645.37**	feet			1		04/25/22 12:06		
Temperature, Water (C)	**9.38**	deg C			1		04/25/22 12:06		
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**239**	mg/L	50.0	10.4	2		05/04/22 12:35		M0
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/12/22 13:58	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/12/22 13:58	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PZ-6 **Lab ID: 40244176026** Collected: 04/25/22 12:06 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Carbon	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/12/22 13:58	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/12/22 13:58	7440-44-0	
Mean Total Organic Carbon	**1.2**	mg/L	0.50	0.12	1		05/12/22 13:58	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-1 **Lab ID: 40244176027** Collected: 04/26/22 12:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/03/22 05:55	05/03/22 20:22	7440-38-2	
Barium	**22.0**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:22	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/03/22 05:55	05/03/22 20:22	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/03/22 05:55	05/03/22 20:22	7440-48-4	
Iron	**5730**	ug/L	100	56.7	1	05/03/22 05:55	05/03/22 20:22	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	05/03/22 05:55	05/03/22 20:22	7439-92-1	
Manganese	**172**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:22	7439-96-5	
Vanadium	**<2.6**	ug/L	10.0	2.6	1	05/03/22 05:55	05/03/22 20:22	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 09:54	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:20	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 14:20	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 14:20	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:20	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 14:20	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 14:20	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 14:20	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 14:20	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 14:20	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 14:20	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 14:20	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:20	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 14:20	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 14:20	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 14:20	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 14:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 14:20	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 14:20	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:20	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:20	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 14:20	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 14:20	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:20	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 14:20	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 14:20	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 14:20	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 14:20	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 14:20	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 14:20	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 14:20	74-95-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-1 **Lab ID: 40244176027** Collected: 04/26/22 12:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 14:20	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 14:20	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 14:20	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 14:20	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:20	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 14:20	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:20	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:20	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 14:20	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 14:20	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 14:20	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 14:20	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:20	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 14:20	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 14:20	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 14:20	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:20	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 14:20	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 14:20	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 14:20	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:20	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 14:20	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 14:20	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 14:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		05/04/22 14:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	70-130		1		05/04/22 14:20	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/04/22 14:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-2 **Lab ID: 40244176028** Collected: 04/27/22 15:50 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/03/22 05:55	05/03/22 20:25	7440-38-2	
Barium	**125**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:25	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/03/22 05:55	05/03/22 20:25	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/03/22 05:55	05/03/22 20:25	7440-48-4	
Iron	**213**	ug/L	100	56.7	1	05/03/22 05:55	05/03/22 20:25	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	05/03/22 05:55	05/03/22 20:25	7439-92-1	
Manganese	**665**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:25	7439-96-5	
Vanadium	**<2.6**	ug/L	10.0	2.6	1	05/03/22 05:55	05/03/22 20:25	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:01	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 18:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 18:34	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 18:34	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 18:34	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 18:34	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 18:34	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 18:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 18:34	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 18:34	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 18:34	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 18:34	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 18:34	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 18:34	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 18:34	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 18:34	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 18:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 18:34	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 18:34	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 18:34	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 18:34	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 18:34	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 18:34	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 18:34	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 18:34	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 18:34	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 18:34	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 18:34	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 18:34	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 18:34	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 18:34	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-2 **Lab ID: 40244176028** Collected: 04/27/22 15:50 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 18:34	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 18:34	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 18:34	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 18:34	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 18:34	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 18:34	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 18:34	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 18:34	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 18:34	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 18:34	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 18:34	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 18:34	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 18:34	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 18:34	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 18:34	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 18:34	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 18:34	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 18:34	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 18:34	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 18:34	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 18:34	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 18:34	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 18:34	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 18:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/04/22 18:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/04/22 18:34	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		05/04/22 18:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-3 **Lab ID: 40244176029** Collected: 04/27/22 16:05 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/03/22 05:55	05/03/22 20:27	7440-38-2	
Barium	**<1.5**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:27	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/03/22 05:55	05/03/22 20:27	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/03/22 05:55	05/03/22 20:27	7440-48-4	
Iron	**<56.7**	ug/L	100	56.7	1	05/03/22 05:55	05/03/22 20:27	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	05/03/22 05:55	05/03/22 20:27	7439-92-1	
Manganese	**<1.5**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:27	7439-96-5	
Vanadium	**<2.6**	ug/L	10.0	2.6	1	05/03/22 05:55	05/03/22 20:27	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:03	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 18:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 18:55	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 18:55	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 18:55	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 18:55	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 18:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 18:55	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 18:55	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 18:55	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 18:55	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 18:55	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 18:55	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 18:55	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 18:55	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 18:55	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 18:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 18:55	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 18:55	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 18:55	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 18:55	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 18:55	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 18:55	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 18:55	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 18:55	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 18:55	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 18:55	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 18:55	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 18:55	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 18:55	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 18:55	74-95-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-3 **Lab ID: 40244176029** Collected: 04/27/22 16:05 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 18:55	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 18:55	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 18:55	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 18:55	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 18:55	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 18:55	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 18:55	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 18:55	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 18:55	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 18:55	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 18:55	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 18:55	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 18:55	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 18:55	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 18:55	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 18:55	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 18:55	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 18:55	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 18:55	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 18:55	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 18:55	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 18:55	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 18:55	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 18:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/04/22 18:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/04/22 18:55	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		05/04/22 18:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-4 **Lab ID: 40244176030** Collected: 04/28/22 13:12 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/03/22 05:55	05/03/22 20:30	7440-38-2	
Barium	**23.0**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:30	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/03/22 05:55	05/03/22 20:30	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/03/22 05:55	05/03/22 20:30	7440-48-4	
Iron	**4650**	ug/L	100	56.7	1	05/03/22 05:55	05/03/22 20:30	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	05/03/22 05:55	05/03/22 20:30	7439-92-1	
Manganese	**109**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:30	7439-96-5	
Vanadium	**<2.6**	ug/L	10.0	2.6	1	05/03/22 05:55	05/03/22 20:30	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:06	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 19:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 19:15	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 19:15	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 19:15	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 19:15	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 19:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 19:15	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 19:15	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 19:15	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 19:15	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 19:15	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 19:15	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 19:15	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 19:15	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 19:15	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 19:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 19:15	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 19:15	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 19:15	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 19:15	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 19:15	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 19:15	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 19:15	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 19:15	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 19:15	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 19:15	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 19:15	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 19:15	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 19:15	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 19:15	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-4 **Lab ID: 40244176030** Collected: 04/28/22 13:12 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 19:15	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 19:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 19:15	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 19:15	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 19:15	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 19:15	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 19:15	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 19:15	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 19:15	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 19:15	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 19:15	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 19:15	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 19:15	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 19:15	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 19:15	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 19:15	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 19:15	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 19:15	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 19:15	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 19:15	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 19:15	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 19:15	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 19:15	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 19:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/04/22 19:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/04/22 19:15	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		05/04/22 19:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-5 **Lab ID: 40244176031** Collected: 04/27/22 16:17 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/03/22 05:55	05/03/22 20:32	7440-38-2	
Barium	**30.5**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:32	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/03/22 05:55	05/03/22 20:32	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/03/22 05:55	05/03/22 20:32	7440-48-4	
Iron	**1010**	ug/L	100	56.7	1	05/03/22 05:55	05/03/22 20:32	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	05/03/22 05:55	05/03/22 20:32	7439-92-1	
Manganese	**380**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:32	7439-96-5	
Vanadium	**<2.6**	ug/L	10.0	2.6	1	05/03/22 05:55	05/03/22 20:32	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:08	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:40	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 14:40	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 14:40	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:40	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 14:40	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 14:40	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 14:40	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 14:40	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 14:40	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 14:40	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 14:40	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:40	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 14:40	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 14:40	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 14:40	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 14:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 14:40	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 14:40	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 14:40	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:40	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 14:40	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 14:40	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:40	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 14:40	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 14:40	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 14:40	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 14:40	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 14:40	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 14:40	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 14:40	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-5 **Lab ID: 40244176031** Collected: 04/27/22 16:17 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 14:40	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 14:40	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 14:40	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 14:40	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:40	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 14:40	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 14:40	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:40	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 14:40	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 14:40	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 14:40	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 14:40	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:40	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 14:40	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 14:40	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 14:40	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 14:40	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 14:40	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 14:40	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 14:40	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 14:40	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 14:40	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 14:40	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 14:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		05/04/22 14:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/04/22 14:40	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		05/04/22 14:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-6 **Lab ID: 40244176032** Collected: 04/27/22 16:36 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/03/22 05:55	05/03/22 20:39	7440-38-2	
Barium	**47.4**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:39	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/03/22 05:55	05/03/22 20:39	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/03/22 05:55	05/03/22 20:39	7440-48-4	
Iron	**<56.7**	ug/L	100	56.7	1	05/03/22 05:55	05/03/22 20:39	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	05/03/22 05:55	05/03/22 20:39	7439-92-1	
Manganese	**260**	ug/L	5.0	1.5	1	05/03/22 05:55	05/03/22 20:39	7439-96-5	
Vanadium	**<2.6**	ug/L	10.0	2.6	1	05/03/22 05:55	05/03/22 20:39	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 10:15	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 15:00	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 15:00	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 15:00	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 15:00	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 15:00	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 15:00	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 15:00	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 15:00	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 15:00	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 15:00	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 15:00	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 15:00	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 15:00	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 15:00	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 15:00	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 15:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 15:00	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 15:00	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 15:00	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 15:00	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 15:00	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 15:00	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 15:00	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 15:00	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 15:00	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 15:00	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 15:00	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 15:00	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 15:00	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 15:00	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: PW-6 **Lab ID: 40244176032** Collected: 04/27/22 16:36 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 15:00	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 15:00	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 15:00	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 15:00	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 15:00	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 15:00	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 15:00	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 15:00	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 15:00	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 15:00	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 15:00	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 15:00	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 15:00	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 15:00	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 15:00	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 15:00	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 15:00	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 15:00	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 15:00	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 15:00	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 15:00	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 15:00	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 15:00	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 15:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		05/04/22 15:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/04/22 15:00	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		05/04/22 15:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: TRIP BLANK **Lab ID: 40244176033** Collected: 04/25/22 12:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 11:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 11:42	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 11:42	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 11:42	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 11:42	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 11:42	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 11:42	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 11:42	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 11:42	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 11:42	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 11:42	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 11:42	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 11:42	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 11:42	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 11:42	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 11:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 11:42	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 11:42	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 11:42	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 11:42	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 11:42	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 11:42	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 11:42	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 11:42	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 11:42	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 11:42	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 11:42	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 11:42	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 11:42	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 11:42	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 11:42	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 11:42	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 11:42	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 11:42	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 11:42	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 11:42	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 11:42	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 11:42	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 11:42	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 11:42	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 11:42	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 11:42	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 11:42	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 11:42	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 11:42	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: TRIP BLANK **Lab ID: 40244176033** Collected: 04/25/22 12:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 11:42	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 11:42	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 11:42	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 11:42	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 11:42	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 11:42	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 11:42	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 11:42	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 11:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		05/04/22 11:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/04/22 11:42	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		05/04/22 11:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-17S DUP **Lab ID: 40244176034** Collected: 04/26/22 00:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:37	7440-38-2	
Barium, Dissolved	**133**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:37	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:37	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:37	7440-48-4	
Iron, Dissolved	**6630**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:37	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:37	7439-92-1	
Manganese, Dissolved	**731**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:37	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:37	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:50	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 16:39	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 16:39	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 16:39	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 16:39	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 16:39	75-35-4	
1,2,4-Trimethylbenzene	**192**	ug/L	1.0	0.45	1		05/04/22 16:39	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 16:39	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 16:39	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 16:39	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 16:39	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 16:39	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 16:39	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 16:39	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 16:39	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 16:39	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 16:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 16:39	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 16:39	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 16:39	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 16:39	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 16:39	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 16:39	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 16:39	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 16:39	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 16:39	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 16:39	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 16:39	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 16:39	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 16:39	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 16:39	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-17S DUP **Lab ID: 40244176034** Collected: 04/26/22 00:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 16:39	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 16:39	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 16:39	87-68-3	
Isopropylbenzene (Cumene)	**5.6**	ug/L	5.0	1.0	1		05/04/22 16:39	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 16:39	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 16:39	75-09-2	
Naphthalene	**1.5J**	ug/L	5.0	1.1	1		05/04/22 16:39	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 16:39	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 16:39	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 16:39	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 16:39	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 16:39	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 16:39	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 16:39	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 16:39	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 16:39	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 16:39	10061-01-5	
n-Butylbenzene	**3.8**	ug/L	1.0	0.86	1		05/04/22 16:39	104-51-8	
n-Propylbenzene	**13.1**	ug/L	1.0	0.35	1		05/04/22 16:39	103-65-1	
p-Isopropyltoluene	**4.0J**	ug/L	5.0	1.0	1		05/04/22 16:39	99-87-6	
sec-Butylbenzene	**14.3**	ug/L	1.0	0.42	1		05/04/22 16:39	135-98-8	
tert-Butylbenzene	**4.6**	ug/L	1.0	0.59	1		05/04/22 16:39	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 16:39	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 16:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		05/04/22 16:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		05/04/22 16:39	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/04/22 16:39	2037-26-5	
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**187**	mg/L	25.0	5.2	1		05/04/22 12:58		
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.8**	mg/L	0.50	0.12	1		05/12/22 14:18	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.50	0.12	1		05/12/22 14:18	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.50	0.12	1		05/12/22 14:18	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.50	0.12	1		05/12/22 14:18	7440-44-0	
Mean Total Organic Carbon	**1.9**	mg/L	0.50	0.12	1		05/12/22 14:18	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2S DUP **Lab ID: 40244176035** Collected: 04/27/22 00:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:40	7440-38-2	
Barium, Dissolved	**87.2**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:40	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:40	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:40	7440-48-4	
Iron, Dissolved	**18600**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:40	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:40	7439-92-1	
Manganese, Dissolved	**522**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:40	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:40	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:52	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 15:59	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 15:59	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 15:59	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 15:59	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 15:59	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 15:59	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 15:59	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 15:59	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 15:59	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 15:59	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 15:59	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 15:59	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 15:59	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 15:59	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 15:59	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 15:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 15:59	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 15:59	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 15:59	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 15:59	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 15:59	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 15:59	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 15:59	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 15:59	56-23-5	
Chlorobenzene	**1.6**	ug/L	1.0	0.86	1		05/04/22 15:59	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 15:59	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 15:59	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 15:59	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 15:59	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 15:59	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2S DUP **Lab ID: 40244176035** Collected: 04/27/22 00:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 15:59	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 15:59	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 15:59	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 15:59	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 15:59	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 15:59	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 15:59	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 15:59	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 15:59	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 15:59	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 15:59	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 15:59	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 15:59	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 15:59	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 15:59	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 15:59	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 15:59	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 15:59	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 15:59	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 15:59	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 15:59	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 15:59	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 15:59	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 15:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/04/22 15:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/04/22 15:59	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/04/22 15:59	2037-26-5	
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**128**	mg/L	50.0	10.4	2		05/04/22 13:11		B,M0
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.0**	mg/L	0.50	0.12	1		05/12/22 14:41	7440-44-0	
Total Organic Carbon	**4.0**	mg/L	0.50	0.12	1		05/12/22 14:41	7440-44-0	
Total Organic Carbon	**4.0**	mg/L	0.50	0.12	1		05/12/22 14:41	7440-44-0	
Total Organic Carbon	**4.1**	mg/L	0.50	0.12	1		05/12/22 14:41	7440-44-0	
Mean Total Organic Carbon	**4.0**	mg/L	0.50	0.12	1		05/12/22 14:41	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-8S DUP **Lab ID: 40244176036** Collected: 04/28/22 00:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Arsenic, Dissolved	**<8.3**	ug/L	25.0	8.3	1	05/04/22 05:38	05/04/22 19:42	7440-38-2	
Barium, Dissolved	**33.0**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:42	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1	05/04/22 05:38	05/04/22 19:42	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1	05/04/22 05:38	05/04/22 19:42	7440-48-4	
Iron, Dissolved	**<56.7**	ug/L	100	56.7	1	05/04/22 05:38	05/04/22 19:42	7439-89-6	
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	05/04/22 05:38	05/04/22 19:42	7439-92-1	
Manganese, Dissolved	**87.0**	ug/L	5.0	1.5	1	05/04/22 05:38	05/04/22 19:42	7439-96-5	
Vanadium, Dissolved	**<2.6**	ug/L	10.0	2.6	1	05/04/22 05:38	05/04/22 19:42	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	**<0.066**	ug/L	0.20	0.066	1	05/09/22 10:50	05/10/22 11:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 19:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		05/04/22 19:35	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/04/22 19:35	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/04/22 19:35	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/04/22 19:35	75-35-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		05/04/22 19:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/04/22 19:35	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/04/22 19:35	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 19:35	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/04/22 19:35	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/04/22 19:35	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 19:35	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 19:35	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/04/22 19:35	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/04/22 19:35	78-93-3	
2-Hexanone	**<6.3**	ug/L	25.0	6.3	1		05/04/22 19:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		05/04/22 19:35	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/04/22 19:35	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/04/22 19:35	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 19:35	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/04/22 19:35	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/04/22 19:35	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/04/22 19:35	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/04/22 19:35	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 19:35	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/04/22 19:35	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/04/22 19:35	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/04/22 19:35	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/04/22 19:35	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/04/22 19:35	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-8S DUP **Lab ID: 40244176036** Collected: 04/28/22 00:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/04/22 19:35	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/04/22 19:35	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		05/04/22 19:35	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		05/04/22 19:35	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/04/22 19:35	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/04/22 19:35	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/04/22 19:35	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 19:35	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/22 19:35	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/04/22 19:35	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/04/22 19:35	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/04/22 19:35	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/04/22 19:35	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/04/22 19:35	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/04/22 19:35	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/04/22 19:35	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/04/22 19:35	10061-01-5	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		05/04/22 19:35	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		05/04/22 19:35	103-65-1	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		05/04/22 19:35	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		05/04/22 19:35	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		05/04/22 19:35	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/04/22 19:35	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/04/22 19:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/04/22 19:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/04/22 19:35	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		05/04/22 19:35	2037-26-5	
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**229**	mg/L	50.0	10.4	2		05/04/22 15:56		M0
Total Organic Carbon	Analytical Method: EPA 9060								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 15:03	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 15:03	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 15:03	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 15:03	7440-44-0	
Mean Total Organic Carbon	**1.3**	mg/L	0.50	0.12	1		05/12/22 15:03	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Sample: MW-2D **Lab ID: 40244176037** Collected: 04/25/22 00:00 Received: 04/29/22 11:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**646.00**	feet			1		04/25/22 00:00		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 415124
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176027, 40244176028, 40244176029, 40244176030, 40244176031, 40244176032

METHOD BLANK: 2390421 Matrix: Water
Associated Lab Samples: 40244176027, 40244176028, 40244176029, 40244176030, 40244176031, 40244176032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	05/10/22 09:50	

LABORATORY CONTROL SAMPLE: 2390422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2390423 2390424

Parameter	Units	40244176027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.066	5	5	5.0	5.0	98	99	85-115	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414786
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176001, 40244176002, 40244176003, 40244176004, 40244176005, 40244176006, 40244176007, 40244176008, 40244176009, 40244176010, 40244176011, 40244176012, 40244176013, 40244176014, 40244176015, 40244176016, 40244176017, 40244176018, 40244176019, 40244176020

METHOD BLANK: 2388104
Matrix: Water
Associated Lab Samples: 40244176001, 40244176002, 40244176003, 40244176004, 40244176005, 40244176006, 40244176007, 40244176008, 40244176009, 40244176010, 40244176011, 40244176012, 40244176013, 40244176014, 40244176015, 40244176016, 40244176017, 40244176018, 40244176019, 40244176020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	05/05/22 09:13	

LABORATORY CONTROL SAMPLE: 2388105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388106 2388107

Parameter	Units	40244176001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.066	5	5	5.2	5.1	103	102	85-115	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 415125 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176021, 40244176022, 40244176023, 40244176024, 40244176025, 40244176026, 40244176034, 40244176035, 40244176036

METHOD BLANK: 2390425 — Matrix: Water
Associated Lab Samples: 40244176021, 40244176022, 40244176023, 40244176024, 40244176025, 40244176026, 40244176034, 40244176035, 40244176036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	05/10/22 10:50	

LABORATORY CONTROL SAMPLE: 2390426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2390427 2390428

Parameter	Units	40244322001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.000066 mg/L	5	5	4.9	4.8	97	96	85-115	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414630
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176027, 40244176028, 40244176029, 40244176030, 40244176031, 40244176032

METHOD BLANK: 2387334 Matrix: Water
Associated Lab Samples: 40244176027, 40244176028, 40244176029, 40244176030, 40244176031, 40244176032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<8.3	25.0	05/03/22 19:24	
Barium	ug/L	<1.5	5.0	05/03/22 19:24	
Cadmium	ug/L	<1.3	5.0	05/03/22 19:24	
Cobalt	ug/L	<1.4	5.0	05/03/22 19:24	
Iron	ug/L	<56.7	100	05/03/22 19:24	
Lead	ug/L	<5.9	20.0	05/03/22 19:24	
Manganese	ug/L	<1.5	5.0	05/03/22 19:24	
Vanadium	ug/L	<2.6	10.0	05/03/22 19:24	

LABORATORY CONTROL SAMPLE: 2387335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	250	100	80-120	
Barium	ug/L	250	272	109	80-120	
Cadmium	ug/L	250	266	106	80-120	
Cobalt	ug/L	250	267	107	80-120	
Iron	ug/L	10000	10200	102	80-120	
Lead	ug/L	250	271	108	80-120	
Manganese	ug/L	250	268	107	80-120	
Vanadium	ug/L	250	262	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387336 2387337

Parameter	Units	40244042004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<8.3	250	250	252	251	100	100	75-125	1	20	
Barium	ug/L	129	250	250	403	406	110	111	75-125	1	20	
Cadmium	ug/L	<1.3	250	250	272	274	109	110	75-125	1	20	
Cobalt	ug/L	13.1	250	250	278	281	106	107	75-125	1	20	
Iron	ug/L	13000	10000	10000	22900	23600	99	106	75-125	3	20	
Lead	ug/L	<5.9	250	250	269	270	107	108	75-125	0	20	
Manganese	ug/L	661	250	250	946	925	114	106	75-125	2	20	
Vanadium	ug/L	8.1J	250	250	270	275	105	107	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414631
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176001, 40244176002, 40244176003, 40244176004, 40244176005, 40244176006, 40244176007, 40244176008, 40244176009, 40244176010, 40244176011, 40244176012, 40244176013, 40244176014, 40244176015, 40244176016, 40244176017, 40244176018, 40244176019, 40244176020

METHOD BLANK: 2387340 Matrix: Water
Associated Lab Samples: 40244176001, 40244176002, 40244176003, 40244176004, 40244176005, 40244176006, 40244176007, 40244176008, 40244176009, 40244176010, 40244176011, 40244176012, 40244176013, 40244176014, 40244176015, 40244176016, 40244176017, 40244176018, 40244176019, 40244176020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<8.3	25.0	05/03/22 20:42	
Barium, Dissolved	ug/L	<1.5	5.0	05/03/22 20:42	
Cadmium, Dissolved	ug/L	<1.3	5.0	05/03/22 20:42	
Cobalt, Dissolved	ug/L	<1.4	5.0	05/03/22 20:42	
Iron, Dissolved	ug/L	<56.7	100	05/03/22 20:42	
Lead, Dissolved	ug/L	<5.9	20.0	05/03/22 20:42	
Manganese, Dissolved	ug/L	<1.5	5.0	05/03/22 20:42	
Vanadium, Dissolved	ug/L	<2.6	10.0	05/03/22 20:42	

LABORATORY CONTROL SAMPLE: 2387341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	250	249	99	80-120	
Barium, Dissolved	ug/L	250	272	109	80-120	
Cadmium, Dissolved	ug/L	250	270	108	80-120	
Cobalt, Dissolved	ug/L	250	269	108	80-120	
Iron, Dissolved	ug/L	10000	9890	99	80-120	
Lead, Dissolved	ug/L	250	274	110	80-120	
Manganese, Dissolved	ug/L	250	270	108	80-120	
Vanadium, Dissolved	ug/L	250	260	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387342 2387343

Parameter	Units	40244176001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	<8.3	250	250	244	257	98	103	75-125	5	20	
Barium, Dissolved	ug/L	26.3	250	250	293	300	107	110	75-125	2	20	
Cadmium, Dissolved	ug/L	<1.3	250	250	265	272	106	109	75-125	2	20	
Cobalt, Dissolved	ug/L	<1.4	250	250	263	270	105	108	75-125	3	20	
Iron, Dissolved	ug/L	418	10000	10000	10400	10800	100	104	75-125	4	20	
Lead, Dissolved	ug/L	<5.9	250	250	267	274	107	110	75-125	3	20	
Manganese, Dissolved	ug/L	294	250	250	560	562	106	107	75-125	0	20	
Vanadium, Dissolved	ug/L	<2.6	250	250	260	270	104	108	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414744
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176021, 40244176022, 40244176023, 40244176024, 40244176025, 40244176026, 40244176034, 40244176035, 40244176036

METHOD BLANK: 2387941 Matrix: Water
Associated Lab Samples: 40244176021, 40244176022, 40244176023, 40244176024, 40244176025, 40244176026, 40244176034, 40244176035, 40244176036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<8.3	25.0	05/04/22 19:03	
Barium, Dissolved	ug/L	<1.5	5.0	05/04/22 19:03	
Cadmium, Dissolved	ug/L	<1.3	5.0	05/04/22 19:03	
Cobalt, Dissolved	ug/L	<1.4	5.0	05/04/22 19:03	
Iron, Dissolved	ug/L	<56.7	100	05/04/22 19:03	
Lead, Dissolved	ug/L	<5.9	20.0	05/04/22 19:03	
Manganese, Dissolved	ug/L	<1.5	5.0	05/04/22 19:03	
Vanadium, Dissolved	ug/L	<2.6	10.0	05/04/22 19:03	

LABORATORY CONTROL SAMPLE: 2387942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	250	250	100	80-120	
Barium, Dissolved	ug/L	250	258	103	80-120	
Cadmium, Dissolved	ug/L	250	261	104	80-120	
Cobalt, Dissolved	ug/L	250	264	106	80-120	
Iron, Dissolved	ug/L	10000	10400	104	80-120	
Lead, Dissolved	ug/L	250	263	105	80-120	
Manganese, Dissolved	ug/L	250	259	103	80-120	
Vanadium, Dissolved	ug/L	250	262	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387943 2387944

Parameter	Units	40244176021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	<8.3	250	250	244	247	98	99	75-125	1	20	
Barium, Dissolved	ug/L	106	250	250	358	355	101	100	75-125	1	20	
Cadmium, Dissolved	ug/L	<1.3	250	250	258	262	103	105	75-125	2	20	
Cobalt, Dissolved	ug/L	<1.4	250	250	258	262	103	105	75-125	2	20	
Iron, Dissolved	ug/L	<56.7	10000	10000	9890	9910	99	99	75-125	0	20	
Lead, Dissolved	ug/L	<5.9	250	250	256	261	102	105	75-125	2	20	
Manganese, Dissolved	ug/L	1600	250	250	1830	1780	91	71	75-125	3	20	P6
Vanadium, Dissolved	ug/L	<2.6	250	250	253	253	101	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414540
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176002, 40244176003, 40244176008, 40244176011, 40244176013, 40244176017, 40244176018, 40244176019, 40244176021, 40244176022

METHOD BLANK: 2387038
Matrix: Water
Associated Lab Samples: 40244176002, 40244176003, 40244176008, 40244176011, 40244176013, 40244176017, 40244176018, 40244176019, 40244176021, 40244176022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/03/22 17:31	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	05/03/22 17:31	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	05/03/22 17:31	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/03/22 17:31	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/03/22 17:31	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/03/22 17:31	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	05/03/22 17:31	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	05/03/22 17:31	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	05/03/22 17:31	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/03/22 17:31	
1,2-Dichloropropane	ug/L	<0.45	1.0	05/03/22 17:31	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/03/22 17:31	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	05/03/22 17:31	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	05/03/22 17:31	
2-Butanone (MEK)	ug/L	<6.5	25.0	05/03/22 17:31	
2-Hexanone	ug/L	<6.3	25.0	05/03/22 17:31	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	05/03/22 17:31	
Acetone	ug/L	<8.6	25.0	05/03/22 17:31	
Benzene	ug/L	<0.30	1.0	05/03/22 17:31	
Bromodichloromethane	ug/L	<0.42	1.0	05/03/22 17:31	
Bromoform	ug/L	<3.8	5.0	05/03/22 17:31	
Bromomethane	ug/L	<1.2	5.0	05/03/22 17:31	
Carbon disulfide	ug/L	<1.1	5.0	05/03/22 17:31	
Carbon tetrachloride	ug/L	<0.37	1.0	05/03/22 17:31	
Chlorobenzene	ug/L	<0.86	1.0	05/03/22 17:31	
Chloroethane	ug/L	<1.4	5.0	05/03/22 17:31	
Chloroform	ug/L	<1.2	5.0	05/03/22 17:31	
Chloromethane	ug/L	<1.6	5.0	05/03/22 17:31	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/03/22 17:31	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	05/03/22 17:31	
Dibromochloromethane	ug/L	<2.6	5.0	05/03/22 17:31	
Dibromomethane	ug/L	<0.99	5.0	05/03/22 17:31	
Dichlorodifluoromethane	ug/L	<0.46	5.0	05/03/22 17:31	
Ethylbenzene	ug/L	<0.33	1.0	05/03/22 17:31	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	05/03/22 17:31	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	05/03/22 17:31	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	05/03/22 17:31	
Methylene Chloride	ug/L	<0.32	5.0	05/03/22 17:31	
n-Butylbenzene	ug/L	<0.86	1.0	05/03/22 17:31	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

METHOD BLANK: 2387038 Matrix: Water
Associated Lab Samples: 40244176002, 40244176003, 40244176008, 40244176011, 40244176013, 40244176017, 40244176018, 40244176019, 40244176021, 40244176022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Propylbenzene	ug/L	<0.35	1.0	05/03/22 17:31	
Naphthalene	ug/L	<1.1	5.0	05/03/22 17:31	
p-Isopropyltoluene	ug/L	<1.0	5.0	05/03/22 17:31	
sec-Butylbenzene	ug/L	<0.42	1.0	05/03/22 17:31	
Styrene	ug/L	<0.36	1.0	05/03/22 17:31	
tert-Butylbenzene	ug/L	<0.59	1.0	05/03/22 17:31	
Tetrachloroethene	ug/L	<0.41	1.0	05/03/22 17:31	
Tetrahydrofuran	ug/L	<2.4	25.0	05/03/22 17:31	
Toluene	ug/L	<0.29	1.0	05/03/22 17:31	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/03/22 17:31	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	05/03/22 17:31	
Trichloroethene	ug/L	<0.32	1.0	05/03/22 17:31	
Trichlorofluoromethane	ug/L	<0.42	1.0	05/03/22 17:31	
Vinyl chloride	ug/L	<0.17	1.0	05/03/22 17:31	
Xylene (Total)	ug/L	<1.0	3.0	05/03/22 17:31	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	05/03/22 17:31	
4-Bromofluorobenzene (S)	%	99	70-130	05/03/22 17:31	
Toluene-d8 (S)	%	97	70-130	05/03/22 17:31	

LABORATORY CONTROL SAMPLE: 2387039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	63.5	127	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	41.1	82	69-130	
1,1,2-Trichloroethane	ug/L	50	43.6	87	70-130	
1,1-Dichloroethane	ug/L	50	45.7	91	70-130	
1,1-Dichloroethene	ug/L	50	59.0	118	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	49.5	99	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	45.0	90	70-130	
1,2-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dichloroethane	ug/L	50	50.0	100	70-137	
1,2-Dichloropropane	ug/L	50	40.0	80	80-121	
1,3-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,4-Dichlorobenzene	ug/L	50	50.3	101	70-130	
Benzene	ug/L	50	51.4	103	70-130	
Bromodichloromethane	ug/L	50	52.5	105	70-130	
Bromoform	ug/L	50	48.9	98	70-130	
Bromomethane	ug/L	50	47.7	95	21-147	
Carbon disulfide	ug/L	50	59.3	119	70-130	
Carbon tetrachloride	ug/L	50	63.8	128	80-146	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	50.9	102	52-165	
Chloroform	ug/L	50	54.1	108	80-123	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

LABORATORY CONTROL SAMPLE: 2387039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	34.7	69	51-122	
cis-1,2-Dichloroethene	ug/L	50	49.3	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.8	90	70-130	
Dibromochloromethane	ug/L	50	48.4	97	70-130	
Dichlorodifluoromethane	ug/L	50	51.1	102	25-121	
Ethylbenzene	ug/L	50	55.5	111	80-120	
Isopropylbenzene (Cumene)	ug/L	50	58.5	117	70-130	
Methyl-tert-butyl ether	ug/L	50	49.4	99	70-130	
Methylene Chloride	ug/L	50	61.4	123	70-130	
Styrene	ug/L	50	55.0	110	70-130	
Tetrachloroethene	ug/L	50	53.7	107	70-130	
Toluene	ug/L	50	51.7	103	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.6	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.1	84	70-130	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	67.4	135	65-160	
Vinyl chloride	ug/L	50	45.5	91	63-134	
Xylene (Total)	ug/L	150	164	110	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387407 2387408

Parameter	Units	40244176002 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	<0.30	50	50	67.5	69.0	135	138	70-134	2	20	M1
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	44.5	45.3	89	91	61-135	2	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	45.7	45.2	91	90	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	48.7	48.5	97	97	70-130	0	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	64.2	64.6	128	129	71-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	56.2	54.8	112	110	51-141	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	48.2	48.8	96	98	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.8	52.5	104	105	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	51.4	53.0	103	106	70-137	3	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	42.9	43.1	86	86	80-121	0	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	53.4	54.7	107	109	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	54.1	54.7	108	109	70-130	1	20	
Benzene	ug/L	<0.30	50	50	54.2	55.1	108	110	70-130	2	20	
Bromodichloromethane	ug/L	<0.42	50	50	56.4	57.5	113	115	70-130	2	20	
Bromoform	ug/L	<3.8	50	50	51.3	50.3	103	101	70-133	2	20	
Bromomethane	ug/L	<1.2	50	50	54.1	55.6	108	111	21-149	3	22	
Carbon disulfide	ug/L	<1.1	50	50	62.8	64.6	126	129	70-130	3	20	
Carbon tetrachloride	ug/L	<0.37	50	50	67.7	68.8	135	138	80-146	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387407 2387408

Parameter	Units	40244176002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	1.7	50	50	55.8	55.7	108	108	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	54.3	55.3	109	111	52-165	2	20	
Chloroform	ug/L	<1.2	50	50	57.6	58.1	115	116	80-123	1	20	
Chloromethane	ug/L	<1.6	50	50	36.7	37.4	73	75	42-125	2	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	52.6	53.4	105	107	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	48.4	48.6	97	97	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.0	51.1	98	102	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	52.0	51.1	104	102	25-121	2	20	
Ethylbenzene	ug/L	<0.33	50	50	57.8	58.6	116	117	80-121	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	60.5	60.9	121	122	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	52.3	52.5	105	105	70-130	0	20	
Methylene Chloride	ug/L	<0.32	50	50	65.7	65.6	131	131	70-130	0	20	M1
Styrene	ug/L	<0.36	50	50	57.7	57.0	115	114	70-132	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	56.3	57.0	113	114	70-130	1	20	
Toluene	ug/L	<0.29	50	50	53.8	53.6	108	107	80-120	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	55.4	55.2	111	110	70-130	0	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	44.0	44.1	88	88	70-130	0	20	
Trichloroethene	ug/L	<0.32	50	50	58.2	57.5	116	115	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	71.6	70.3	143	141	65-160	2	20	
Vinyl chloride	ug/L	<0.17	50	50	48.0	47.0	96	94	60-137	2	20	
Xylene (Total)	ug/L	<1.0	150	150	168	168	112	112	70-130	0	20	
1,2-Dichlorobenzene-d4 (S)	%						97	101	70-130			
4-Bromofluorobenzene (S)	%						100	104	70-130			
Toluene-d8 (S)	%						98	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414542 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176023, 40244176024, 40244176025, 40244176026, 40244176027, 40244176031, 40244176032, 40244176033, 40244176034, 40244176035

METHOD BLANK: 2387044 Matrix: Water
Associated Lab Samples: 40244176023, 40244176024, 40244176025, 40244176026, 40244176027, 40244176031, 40244176032, 40244176033, 40244176034, 40244176035

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/04/22 06:43	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	05/04/22 06:43	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	05/04/22 06:43	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/04/22 06:43	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/04/22 06:43	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/04/22 06:43	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	05/04/22 06:43	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	05/04/22 06:43	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	05/04/22 06:43	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/04/22 06:43	
1,2-Dichloropropane	ug/L	<0.45	1.0	05/04/22 06:43	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/04/22 06:43	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	05/04/22 06:43	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	05/04/22 06:43	
2-Butanone (MEK)	ug/L	<6.5	25.0	05/04/22 06:43	
2-Hexanone	ug/L	<6.3	25.0	05/04/22 06:43	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	05/04/22 06:43	
Acetone	ug/L	<8.6	25.0	05/04/22 06:43	
Benzene	ug/L	<0.30	1.0	05/04/22 06:43	
Bromodichloromethane	ug/L	<0.42	1.0	05/04/22 06:43	
Bromoform	ug/L	<3.8	5.0	05/04/22 06:43	
Bromomethane	ug/L	<1.2	5.0	05/04/22 06:43	
Carbon disulfide	ug/L	<1.1	5.0	05/04/22 06:43	
Carbon tetrachloride	ug/L	<0.37	1.0	05/04/22 06:43	
Chlorobenzene	ug/L	<0.86	1.0	05/04/22 06:43	
Chloroethane	ug/L	<1.4	5.0	05/04/22 06:43	
Chloroform	ug/L	<1.2	5.0	05/04/22 06:43	
Chloromethane	ug/L	<1.6	5.0	05/04/22 06:43	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/04/22 06:43	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	05/04/22 06:43	
Dibromochloromethane	ug/L	<2.6	5.0	05/04/22 06:43	
Dibromomethane	ug/L	<0.99	5.0	05/04/22 06:43	
Dichlorodifluoromethane	ug/L	<0.46	5.0	05/04/22 06:43	
Ethylbenzene	ug/L	<0.33	1.0	05/04/22 06:43	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	05/04/22 06:43	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	05/04/22 06:43	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	05/04/22 06:43	
Methylene Chloride	ug/L	<0.32	5.0	05/04/22 06:43	
n-Butylbenzene	ug/L	<0.86	1.0	05/04/22 06:43	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

METHOD BLANK: 2387044 Matrix: Water
Associated Lab Samples: 40244176023, 40244176024, 40244176025, 40244176026, 40244176027, 40244176031, 40244176032, 40244176033, 40244176034, 40244176035

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Propylbenzene	ug/L	<0.35	1.0	05/04/22 06:43	
Naphthalene	ug/L	<1.1	5.0	05/04/22 06:43	
p-Isopropyltoluene	ug/L	<1.0	5.0	05/04/22 06:43	
sec-Butylbenzene	ug/L	<0.42	1.0	05/04/22 06:43	
Styrene	ug/L	<0.36	1.0	05/04/22 06:43	
tert-Butylbenzene	ug/L	<0.59	1.0	05/04/22 06:43	
Tetrachloroethene	ug/L	<0.41	1.0	05/04/22 06:43	
Tetrahydrofuran	ug/L	<2.4	25.0	05/04/22 06:43	
Toluene	ug/L	<0.29	1.0	05/04/22 06:43	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/04/22 06:43	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	05/04/22 06:43	
Trichloroethene	ug/L	<0.32	1.0	05/04/22 06:43	
Trichlorofluoromethane	ug/L	<0.42	1.0	05/04/22 06:43	
Vinyl chloride	ug/L	<0.17	1.0	05/04/22 06:43	
Xylene (Total)	ug/L	<1.0	3.0	05/04/22 06:43	
1,2-Dichlorobenzene-d4 (S)	%	108	70-130	05/04/22 06:43	
4-Bromofluorobenzene (S)	%	111	70-130	05/04/22 06:43	
Toluene-d8 (S)	%	106	70-130	05/04/22 06:43	

LABORATORY CONTROL SAMPLE: 2387045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	57.8	116	69-130	
1,1,2-Trichloroethane	ug/L	50	55.2	110	70-130	
1,1-Dichloroethane	ug/L	50	50.0	100	70-130	
1,1-Dichloroethene	ug/L	50	59.2	118	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	48.6	97	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	54.2	108	70-130	
1,2-Dichlorobenzene	ug/L	50	51.2	102	70-130	
1,2-Dichloroethane	ug/L	50	52.1	104	70-137	
1,2-Dichloropropane	ug/L	50	49.0	98	80-121	
1,3-Dichlorobenzene	ug/L	50	50.0	100	70-130	
1,4-Dichlorobenzene	ug/L	50	52.2	104	70-130	
Benzene	ug/L	50	48.9	98	70-130	
Bromodichloromethane	ug/L	50	51.3	103	70-130	
Bromoform	ug/L	50	44.3	89	70-130	
Bromomethane	ug/L	50	22.9	46	21-147	
Carbon disulfide	ug/L	50	43.5	87	70-130	
Carbon tetrachloride	ug/L	50	50.6	101	80-146	
Chlorobenzene	ug/L	50	54.1	108	70-130	
Chloroethane	ug/L	50	65.1	130	52-165	
Chloroform	ug/L	50	51.0	102	80-123	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

LABORATORY CONTROL SAMPLE: 2387045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	44.6	89	51-122	
cis-1,2-Dichloroethene	ug/L	50	45.2	90	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.2	96	70-130	
Dibromochloromethane	ug/L	50	53.2	106	70-130	
Dichlorodifluoromethane	ug/L	50	31.8	64	25-121	
Ethylbenzene	ug/L	50	56.1	112	80-120	
Isopropylbenzene (Cumene)	ug/L	50	55.7	111	70-130	
Methyl-tert-butyl ether	ug/L	50	39.9	80	70-130	
Methylene Chloride	ug/L	50	48.1	96	70-130	
Styrene	ug/L	50	54.7	109	70-130	
Tetrachloroethene	ug/L	50	50.4	101	70-130	
Toluene	ug/L	50	55.5	111	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	55.7	111	70-130	
Trichloroethene	ug/L	50	49.9	100	70-130	
Trichlorofluoromethane	ug/L	50	59.4	119	65-160	
Vinyl chloride	ug/L	50	52.4	105	63-134	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			110	70-130	
Toluene-d8 (S)	%			108	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387413 2387414

Parameter	Units	40244155028 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	0.96J	50	50	52.5	52.5	103	103	70-134	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	54.4	53.9	109	108	61-135	1	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	52.7	51.3	105	103	70-130	3	20	
1,1-Dichloroethane	ug/L	8.5	50	50	57.1	57.4	97	98	70-130	0	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	53.0	54.8	106	110	71-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	48.0	49.9	96	100	51-141	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	53.8	52.2	108	104	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50.9	51.2	102	102	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	50.2	49.8	100	100	70-137	1	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	47.8	48.0	96	96	80-121	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.1	52.1	102	104	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	51.2	52.3	102	105	70-130	2	20	
Benzene	ug/L	<0.30	50	50	48.3	48.3	97	97	70-130	0	20	
Bromodichloromethane	ug/L	<0.42	50	50	48.6	49.2	97	98	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	42.1	41.8	84	84	70-133	1	20	
Bromomethane	ug/L	<1.2	50	50	26.4	34.0	53	68	21-149	25	22	R1
Carbon disulfide	ug/L	<1.1	50	50	38.9	39.6	78	79	70-130	2	20	
Carbon tetrachloride	ug/L	<0.37	50	50	48.1	48.6	96	97	80-146	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387413 2387414

Parameter	Units	40244155028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	<0.86	50	50	52.7	52.1	105	104	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	70.3	66.8	141	134	52-165	5	20	
Chloroform	ug/L	<1.2	50	50	49.0	49.8	98	100	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	43.5	43.2	87	86	42-125	1	20	
cis-1,2-Dichloroethene	ug/L	4.6	50	50	49.7	49.9	90	91	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	49.4	48.6	99	97	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	50.7	49.7	101	99	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	31.1	31.9	62	64	25-121	3	20	
Ethylbenzene	ug/L	<0.33	50	50	54.8	54.1	110	108	80-121	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.1	53.6	108	107	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	42.2	41.5	84	83	70-130	2	20	
Methylene Chloride	ug/L	<0.32	50	50	48.0	48.2	96	96	70-130	0	20	
Styrene	ug/L	<0.36	50	50	39.9	38.5	80	77	70-132	4	20	
Tetrachloroethene	ug/L	<0.41	50	50	50.0	49.3	100	99	70-130	1	20	
Toluene	ug/L	<0.29	50	50	52.7	52.9	105	106	80-120	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	46.2	47.8	92	95	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	55.0	54.4	110	109	70-130	1	20	
Trichloroethene	ug/L	9.3	50	50	58.2	58.4	98	98	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	54.6	54.4	109	109	65-160	0	20	
Vinyl chloride	ug/L	<0.17	50	50	51.1	51.9	102	104	60-137	2	20	
Xylene (Total)	ug/L	<1.0	150	150	153	152	102	102	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						101	102	70-130			
4-Bromofluorobenzene (S)	%						109	111	70-130			
Toluene-d8 (S)	%						107	105	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414629 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176028, 40244176029, 40244176030, 40244176036

METHOD BLANK: 2387332 Matrix: Water
Associated Lab Samples: 40244176028, 40244176029, 40244176030, 40244176036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/04/22 12:49	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	05/04/22 12:49	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	05/04/22 12:49	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/04/22 12:49	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/04/22 12:49	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/04/22 12:49	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	05/04/22 12:49	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	05/04/22 12:49	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	05/04/22 12:49	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/04/22 12:49	
1,2-Dichloropropane	ug/L	<0.45	1.0	05/04/22 12:49	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/04/22 12:49	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	05/04/22 12:49	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	05/04/22 12:49	
2-Butanone (MEK)	ug/L	<6.5	25.0	05/04/22 12:49	
2-Hexanone	ug/L	<6.3	25.0	05/04/22 12:49	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	05/04/22 12:49	
Acetone	ug/L	<8.6	25.0	05/04/22 12:49	
Benzene	ug/L	<0.30	1.0	05/04/22 12:49	
Bromodichloromethane	ug/L	<0.42	1.0	05/04/22 12:49	
Bromoform	ug/L	<3.8	5.0	05/04/22 12:49	
Bromomethane	ug/L	<1.2	5.0	05/04/22 12:49	
Carbon disulfide	ug/L	<1.1	5.0	05/04/22 12:49	
Carbon tetrachloride	ug/L	<0.37	1.0	05/04/22 12:49	
Chlorobenzene	ug/L	<0.86	1.0	05/04/22 12:49	
Chloroethane	ug/L	<1.4	5.0	05/04/22 12:49	
Chloroform	ug/L	<1.2	5.0	05/04/22 12:49	
Chloromethane	ug/L	<1.6	5.0	05/04/22 12:49	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/04/22 12:49	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	05/04/22 12:49	
Dibromochloromethane	ug/L	<2.6	5.0	05/04/22 12:49	
Dibromomethane	ug/L	<0.99	5.0	05/04/22 12:49	
Dichlorodifluoromethane	ug/L	<0.46	5.0	05/04/22 12:49	
Ethylbenzene	ug/L	<0.33	1.0	05/04/22 12:49	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	05/04/22 12:49	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	05/04/22 12:49	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	05/04/22 12:49	
Methylene Chloride	ug/L	<0.32	5.0	05/04/22 12:49	
n-Butylbenzene	ug/L	<0.86	1.0	05/04/22 12:49	
n-Propylbenzene	ug/L	<0.35	1.0	05/04/22 12:49	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

METHOD BLANK: 2387332 Matrix: Water
Associated Lab Samples: 40244176028, 40244176029, 40244176030, 40244176036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Naphthalene	ug/L	<1.1	5.0	05/04/22 12:49	
p-Isopropyltoluene	ug/L	<1.0	5.0	05/04/22 12:49	
sec-Butylbenzene	ug/L	<0.42	1.0	05/04/22 12:49	
Styrene	ug/L	<0.36	1.0	05/04/22 12:49	
tert-Butylbenzene	ug/L	<0.59	1.0	05/04/22 12:49	
Tetrachloroethene	ug/L	<0.41	1.0	05/04/22 12:49	
Tetrahydrofuran	ug/L	<2.4	25.0	05/04/22 12:49	
Toluene	ug/L	<0.29	1.0	05/04/22 12:49	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/04/22 12:49	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	05/04/22 12:49	
Trichloroethene	ug/L	<0.32	1.0	05/04/22 12:49	
Trichlorofluoromethane	ug/L	<0.42	1.0	05/04/22 12:49	
Vinyl chloride	ug/L	<0.17	1.0	05/04/22 12:49	
Xylene (Total)	ug/L	<1.0	3.0	05/04/22 12:49	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	05/04/22 12:49	
4-Bromofluorobenzene (S)	%	98	70-130	05/04/22 12:49	
Toluene-d8 (S)	%	103	70-130	05/04/22 12:49	

LABORATORY CONTROL SAMPLE: 2387333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.2	98	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	69-130	
1,1,2-Trichloroethane	ug/L	50	48.7	97	70-130	
1,1-Dichloroethane	ug/L	50	52.6	105	70-130	
1,1-Dichloroethene	ug/L	50	53.8	108	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	42.7	85	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	44.5	89	70-130	
1,2-Dichlorobenzene	ug/L	50	47.7	95	70-130	
1,2-Dichloroethane	ug/L	50	47.5	95	70-137	
1,2-Dichloropropane	ug/L	50	51.1	102	80-121	
1,3-Dichlorobenzene	ug/L	50	46.2	92	70-130	
1,4-Dichlorobenzene	ug/L	50	44.8	90	70-130	
Benzene	ug/L	50	51.8	104	70-130	
Bromodichloromethane	ug/L	50	45.8	92	70-130	
Bromoform	ug/L	50	42.7	85	70-130	
Bromomethane	ug/L	50	42.1	84	21-147	
Carbon disulfide	ug/L	50	55.3	111	70-130	
Carbon tetrachloride	ug/L	50	48.8	98	80-146	
Chlorobenzene	ug/L	50	49.6	99	70-130	
Chloroethane	ug/L	50	62.0	124	52-165	
Chloroform	ug/L	50	49.9	100	80-123	
Chloromethane	ug/L	50	56.7	113	51-122	
cis-1,2-Dichloroethene	ug/L	50	45.4	91	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

LABORATORY CONTROL SAMPLE: 2387333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Dibromochloromethane	ug/L	50	45.0	90	70-130	
Dichlorodifluoromethane	ug/L	50	43.8	88	25-121	
Ethylbenzene	ug/L	50	48.8	98	80-120	
Isopropylbenzene (Cumene)	ug/L	50	48.7	97	70-130	
Methyl-tert-butyl ether	ug/L	50	40.1	80	70-130	
Methylene Chloride	ug/L	50	52.5	105	70-130	
Styrene	ug/L	50	49.6	99	70-130	
Tetrachloroethene	ug/L	50	48.9	98	70-130	
Toluene	ug/L	50	49.6	99	80-120	
trans-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.9	90	70-130	
Trichloroethene	ug/L	50	48.3	97	70-130	
Trichlorofluoromethane	ug/L	50	49.3	99	65-160	
Vinyl chloride	ug/L	50	57.3	115	63-134	
Xylene (Total)	ug/L	150	147	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			102	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414906
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176004, 40244176005, 40244176006, 40244176007, 40244176009, 40244176010, 40244176014, 40244176015, 40244176016, 40244176020

METHOD BLANK: 2388783
Matrix: Water
Associated Lab Samples: 40244176004, 40244176005, 40244176006, 40244176007, 40244176009, 40244176010, 40244176014, 40244176015, 40244176016, 40244176020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/05/22 16:41	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	05/05/22 16:41	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	05/05/22 16:41	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/05/22 16:41	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/05/22 16:41	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/05/22 16:41	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	05/05/22 16:41	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	05/05/22 16:41	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	05/05/22 16:41	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/05/22 16:41	
1,2-Dichloropropane	ug/L	<0.45	1.0	05/05/22 16:41	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/05/22 16:41	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	05/05/22 16:41	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	05/05/22 16:41	
2-Butanone (MEK)	ug/L	<6.5	25.0	05/05/22 16:41	
2-Hexanone	ug/L	<6.3	25.0	05/05/22 16:41	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	05/05/22 16:41	
Acetone	ug/L	<8.6	25.0	05/05/22 16:41	1q
Benzene	ug/L	<0.30	1.0	05/05/22 16:41	
Bromodichloromethane	ug/L	<0.42	1.0	05/05/22 16:41	
Bromoform	ug/L	<3.8	5.0	05/05/22 16:41	
Bromomethane	ug/L	<1.2	5.0	05/05/22 16:41	
Carbon disulfide	ug/L	<1.1	5.0	05/05/22 16:41	
Carbon tetrachloride	ug/L	<0.37	1.0	05/05/22 16:41	
Chlorobenzene	ug/L	<0.86	1.0	05/05/22 16:41	
Chloroethane	ug/L	<1.4	5.0	05/05/22 16:41	
Chloroform	ug/L	<1.2	5.0	05/05/22 16:41	
Chloromethane	ug/L	<1.6	5.0	05/05/22 16:41	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/05/22 16:41	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	05/05/22 16:41	
Dibromochloromethane	ug/L	<2.6	5.0	05/05/22 16:41	
Dibromomethane	ug/L	<0.99	5.0	05/05/22 16:41	
Dichlorodifluoromethane	ug/L	<0.46	5.0	05/05/22 16:41	
Ethylbenzene	ug/L	<0.33	1.0	05/05/22 16:41	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	05/05/22 16:41	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	05/05/22 16:41	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	05/05/22 16:41	
Methylene Chloride	ug/L	<0.32	5.0	05/05/22 16:41	
n-Butylbenzene	ug/L	<0.86	1.0	05/05/22 16:41	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

METHOD BLANK: 2388783 Matrix: Water
Associated Lab Samples: 40244176004, 40244176005, 40244176006, 40244176007, 40244176009, 40244176010, 40244176014, 40244176015, 40244176016, 40244176020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Propylbenzene	ug/L	<0.35	1.0	05/05/22 16:41	
Naphthalene	ug/L	<1.1	5.0	05/05/22 16:41	
p-Isopropyltoluene	ug/L	<1.0	5.0	05/05/22 16:41	
sec-Butylbenzene	ug/L	<0.42	1.0	05/05/22 16:41	
Styrene	ug/L	<0.36	1.0	05/05/22 16:41	
tert-Butylbenzene	ug/L	<0.59	1.0	05/05/22 16:41	
Tetrachloroethene	ug/L	<0.41	1.0	05/05/22 16:41	
Tetrahydrofuran	ug/L	<2.4	25.0	05/05/22 16:41	
Toluene	ug/L	<0.29	1.0	05/05/22 16:41	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/05/22 16:41	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	05/05/22 16:41	
Trichloroethene	ug/L	<0.32	1.0	05/05/22 16:41	
Trichlorofluoromethane	ug/L	<0.42	1.0	05/05/22 16:41	
Vinyl chloride	ug/L	<0.17	1.0	05/05/22 16:41	
Xylene (Total)	ug/L	<1.0	3.0	05/05/22 16:41	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	05/05/22 16:41	
4-Bromofluorobenzene (S)	%	111	70-130	05/05/22 16:41	
Toluene-d8 (S)	%	103	70-130	05/05/22 16:41	

LABORATORY CONTROL SAMPLE: 2388784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.1	106	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	52.1	104	69-130	
1,1,2-Trichloroethane	ug/L	50	50.4	101	70-130	
1,1-Dichloroethane	ug/L	50	54.1	108	70-130	
1,1-Dichloroethene	ug/L	50	52.6	105	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	47.5	95	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	46.4	93	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	52.9	106	70-137	
1,2-Dichloropropane	ug/L	50	52.2	104	80-121	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.3	101	70-130	
Benzene	ug/L	50	52.4	105	70-130	
Bromodichloromethane	ug/L	50	52.8	106	70-130	
Bromoform	ug/L	50	48.9	98	70-130	
Bromomethane	ug/L	50	40.4	81	21-147	
Carbon disulfide	ug/L	50	53.8	108	70-130	
Carbon tetrachloride	ug/L	50	55.4	111	80-146	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	58.0	116	52-165	
Chloroform	ug/L	50	53.1	106	80-123	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

LABORATORY CONTROL SAMPLE: 2388784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	60.4	121	51-122	
cis-1,2-Dichloroethene	ug/L	50	47.4	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.4	103	70-130	
Dibromochloromethane	ug/L	50	49.0	98	70-130	
Dichlorodifluoromethane	ug/L	50	49.6	99	25-121	
Ethylbenzene	ug/L	50	54.5	109	80-120	
Isopropylbenzene (Cumene)	ug/L	50	54.2	108	70-130	
Methyl-tert-butyl ether	ug/L	50	45.3	91	70-130	
Methylene Chloride	ug/L	50	52.5	105	70-130	
Styrene	ug/L	50	52.3	105	70-130	
Tetrachloroethene	ug/L	50	45.9	92	70-130	
Toluene	ug/L	50	51.1	102	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.6	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.3	101	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	50.5	101	65-160	
Vinyl chloride	ug/L	50	55.2	110	63-134	
Xylene (Total)	ug/L	150	151	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388785 2388786

Parameter	Units	40244323003 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	<0.30	50	50	55.2	55.0	110	110	70-134	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	54.4	55.6	109	111	61-135	2	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	52.7	54.2	105	108	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	56.9	55.3	114	111	70-130	3	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	52.9	53.7	106	107	71-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	50.3	54.2	101	108	51-141	7	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	48.4	49.2	97	98	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50.4	50.9	101	102	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	56.2	56.0	112	112	70-137	0	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	54.5	53.3	109	107	80-121	2	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	52.5	52.5	105	105	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	52.0	52.0	104	104	70-130	0	20	
Benzene	ug/L	<0.30	50	50	54.0	54.0	108	108	70-130	0	20	
Bromodichloromethane	ug/L	<0.42	50	50	54.4	53.6	109	107	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	49.3	50.7	99	101	70-133	3	20	
Bromomethane	ug/L	<1.2	50	50	45.1	44.9	90	90	21-149	0	22	
Carbon disulfide	ug/L	<1.1	50	50	53.8	52.7	108	105	70-130	2	20	
Carbon tetrachloride	ug/L	<0.37	50	50	57.1	56.1	114	112	80-146	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388785 2388786

Parameter	Units	40244323003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	<0.86	50	50	52.6	52.9	105	106	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	60.8	61.4	122	123	52-165	1	20	
Chloroform	ug/L	<1.2	50	50	54.9	53.7	110	107	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	63.8	63.1	128	126	42-125	1	20	M1
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	48.8	49.4	98	99	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	52.9	52.3	106	105	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.8	50.9	100	102	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	52.7	51.5	105	103	25-121	2	20	
Ethylbenzene	ug/L	<0.33	50	50	55.5	55.9	111	112	80-121	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.6	54.7	109	109	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	48.5	48.6	97	97	70-130	0	20	
Methylene Chloride	ug/L	<0.32	50	50	55.2	54.6	110	109	70-130	1	20	
Styrene	ug/L	<0.36	50	50	43.6	44.9	87	90	70-132	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	47.3	47.9	95	96	70-130	1	20	
Toluene	ug/L	<0.29	50	50	52.2	52.3	104	105	80-120	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.4	51.1	103	102	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	50.8	51.8	102	104	70-130	2	20	
Trichloroethene	ug/L	<0.32	50	50	52.4	50.8	105	102	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	53.1	52.5	106	105	65-160	1	20	
Vinyl chloride	ug/L	<0.17	50	50	59.1	57.7	118	115	60-137	2	20	
Xylene (Total)	ug/L	<1.0	150	150	149	152	99	101	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						102	101	70-130			
4-Bromofluorobenzene (S)	%						108	111	70-130			
Toluene-d8 (S)	%						101	104	70-130			

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414760 | Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 | Analysis Description: 310.2 Alkalinity
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176005, 40244176008, 40244176014, 40244176025, 40244176026

METHOD BLANK: 2388016 Matrix: Water
Associated Lab Samples: 40244176005, 40244176008, 40244176014, 40244176025, 40244176026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.2	25.0	05/04/22 12:05	

LABORATORY CONTROL SAMPLE: 2388017

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	102	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388018 2388019

Parameter	Units	40243919003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	222	200	200	449	447	113	112	90-110	0	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388020 2388021

Parameter	Units	40244176026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	239	200	200	470	472	116	117	90-110	0	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414762 | Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 | Analysis Description: 310.2 Alkalinity
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176001, 40244176002, 40244176003, 40244176004, 40244176006, 40244176007, 40244176012, 40244176015, 40244176016, 40244176017, 40244176018, 40244176019, 40244176020, 40244176021, 40244176022, 40244176023, 40244176024, 40244176034, 40244176035

METHOD BLANK: 2388026 Matrix: Water
Associated Lab Samples: 40244176001, 40244176002, 40244176003, 40244176004, 40244176006, 40244176007, 40244176012, 40244176015, 40244176016, 40244176017, 40244176018, 40244176019, 40244176020, 40244176021, 40244176022, 40244176023, 40244176024, 40244176034, 40244176035

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	7.2J	25.0	05/04/22 12:41	

LABORATORY CONTROL SAMPLE: 2388027

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	104	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388028 2388029

Parameter	Units	40244176024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	296	200	200	527	527	116	116	90-110	0	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388030 2388031

Parameter	Units	40244176035 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	128	200	200	376	376	124	124	90-110	0	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414821 | Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 | Analysis Description: 310.2 Alkalinity
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176009, 40244176010, 40244176011, 40244176013, 40244176036

METHOD BLANK: 2388400 Matrix: Water
Associated Lab Samples: 40244176009, 40244176010, 40244176011, 40244176013, 40244176036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.2	25.0	05/04/22 15:36	

LABORATORY CONTROL SAMPLE: 2388401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	90.8	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388402 2388403

Parameter	Units	40244176036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	229	200	200	425	452	98	112	90-110	6	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 414627
QC Batch Method: EPA 9060
Analysis Method: EPA 9060
Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176001, 40244176002, 40244176003, 40244176004, 40244176005, 40244176006, 40244176007, 40244176008, 40244176009, 40244176010, 40244176011, 40244176012, 40244176013, 40244176014, 40244176015, 40244176016, 40244176017

METHOD BLANK: 2387324 Matrix: Water
Associated Lab Samples: 40244176001, 40244176002, 40244176003, 40244176004, 40244176005, 40244176006, 40244176007, 40244176008, 40244176009, 40244176010, 40244176011, 40244176012, 40244176013, 40244176014, 40244176015, 40244176016, 40244176017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.12	0.50	05/03/22 14:59	
Total Organic Carbon	mg/L	0.12J	0.50	05/03/22 14:59	
Total Organic Carbon	mg/L	<0.12	0.50	05/03/22 14:59	
Total Organic Carbon	mg/L	<0.12	0.50	05/03/22 14:59	
Total Organic Carbon	mg/L	<0.12	0.50	05/03/22 14:59	

LABORATORY CONTROL SAMPLE: 2387325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	12.5	12.3	99	80-120	
Total Organic Carbon	mg/L	12.5	12.4	99		
Total Organic Carbon	mg/L	12.5	12.4	99		
Total Organic Carbon	mg/L	12.5	12.3	98		
Total Organic Carbon	mg/L	12.5	12.3	99		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387326 2387327

Parameter	Units	40244176001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	3.8	6	6	9.7	9.7	99	99	80-120	0	20	
Total Organic Carbon	mg/L	3.8	6	6	9.7	9.7	99	99		0		
Total Organic Carbon	mg/L	3.8	6	6	9.8	9.7	99	98		1		
Total Organic Carbon	mg/L	3.7	6	6	9.6	9.7	98	100		1		
Total Organic Carbon	mg/L	3.8	6	6	9.8	9.7	100	98		1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387328 2387329

Parameter	Units	40244176002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	3.9	6	6	9.7	9.7	97	96	80-120	1	20	
Total Organic Carbon	mg/L	3.9	6	6	9.7	9.6	96	95		1		
Total Organic Carbon	mg/L	3.9	6	6	9.8	9.7	97	95		1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387328 2387329

Parameter	Units	40244176002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.9	6	6	9.8	9.7	98	97		1		
Total Organic Carbon	mg/L	3.9	6	6	9.8	9.7	97	96		1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

QC Batch: 415493
QC Batch Method: EPA 9060
Analysis Method: EPA 9060
Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244176018, 40244176019, 40244176020, 40244176021, 40244176022, 40244176023, 40244176024, 40244176025, 40244176026, 40244176034, 40244176035, 40244176036

METHOD BLANK: 2392118 Matrix: Water
Associated Lab Samples: 40244176018, 40244176019, 40244176020, 40244176021, 40244176022, 40244176023, 40244176024, 40244176025, 40244176026, 40244176034, 40244176035, 40244176036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.12	0.50	05/12/22 08:22	
Total Organic Carbon	mg/L	<0.12	0.50	05/12/22 08:22	
Total Organic Carbon	mg/L	<0.12	0.50	05/12/22 08:22	
Total Organic Carbon	mg/L	<0.12	0.50	05/12/22 08:22	
Total Organic Carbon	mg/L	<0.12	0.50	05/12/22 08:22	

LABORATORY CONTROL SAMPLE: 2392119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	12.5	12.1	97	80-120	
Total Organic Carbon	mg/L	12.5	12.1	97		
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.2	98		
Total Organic Carbon	mg/L	12.5	12.2	98		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2392120 2392121

Parameter	Units	40244176018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	4.2	12	12	15.9	15.9	97	97	80-120	0	20	
Total Organic Carbon	mg/L	4.2	12	12	15.6	15.8	95	96		1		
Total Organic Carbon	mg/L	4.3	12	12	16.1	15.8	98	96		2		
Total Organic Carbon	mg/L	4.1	12	12	15.8	16.0	97	99		1		
Total Organic Carbon	mg/L	4.3	12	12	16.0	15.9	97	97		0		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2392122 2392123

Parameter	Units	40244176019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	1.8	6	6	7.7	7.7	97	98	80-120	1	20	
Total Organic Carbon	mg/L	1.8	6	6	7.6	7.7	97	98		1		
Total Organic Carbon	mg/L	1.9	6	6	7.7	7.8	97	98		0		
Total Organic Carbon	mg/L	1.8	6	6	7.6	7.7	97	98		0		
Total Organic Carbon	mg/L	1.9	6	6	7.7	7.8	98	100		2		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

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.

ANALYTE QUALIFIERS

1q	Analyte recovery in the continuing calibration verification (CCV) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
B	Analyte was detected in the associated method blank.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244176027	**PW-1**	EPA 3010A	414630	EPA 6010D	414710
40244176028	**PW-2**	EPA 3010A	414630	EPA 6010D	414710
40244176029	**PW-3**	EPA 3010A	414630	EPA 6010D	414710
40244176030	**PW-4**	EPA 3010A	414630	EPA 6010D	414710
40244176031	**PW-5**	EPA 3010A	414630	EPA 6010D	414710
40244176032	**PW-6**	EPA 3010A	414630	EPA 6010D	414710
40244176001	**MW-1SR**	EPA 3010A	414631	EPA 6010D	414711
40244176002	**MW-2S**	EPA 3010A	414631	EPA 6010D	414711
40244176003	**MW-2M**	EPA 3010A	414631	EPA 6010D	414711
40244176004	**MW-4S**	EPA 3010A	414631	EPA 6010D	414711
40244176005	**MW-5S**	EPA 3010A	414631	EPA 6010D	414711
40244176006	**MW-6S**	EPA 3010A	414631	EPA 6010D	414711
40244176007	**MW-6M**	EPA 3010A	414631	EPA 6010D	414711
40244176008	**MW-7M**	EPA 3010A	414631	EPA 6010D	414711
40244176009	**MW-8S**	EPA 3010A	414631	EPA 6010D	414711
40244176010	**MW-8M**	EPA 3010A	414631	EPA 6010D	414711
40244176011	**MW-9M**	EPA 3010A	414631	EPA 6010D	414711
40244176012	**MW-10M**	EPA 3010A	414631	EPA 6010D	414711
40244176013	**MW-11M**	EPA 3010A	414631	EPA 6010D	414711
40244176014	**MW-12S**	EPA 3010A	414631	EPA 6010D	414711
40244176015	**MW-14S**	EPA 3010A	414631	EPA 6010D	414711
40244176016	**MW-15M**	EPA 3010A	414631	EPA 6010D	414711
40244176017	**MW-16S**	EPA 3010A	414631	EPA 6010D	414711
40244176018	**MW-16M**	EPA 3010A	414631	EPA 6010D	414711
40244176019	**MW-17S**	EPA 3010A	414631	EPA 6010D	414711
40244176020	**MW-17M**	EPA 3010A	414631	EPA 6010D	414711
40244176021	**PZ-1**	EPA 3010A	414744	EPA 6010D	414834
40244176022	**PZ-2**	EPA 3010A	414744	EPA 6010D	414834
40244176023	**PZ-3**	EPA 3010A	414744	EPA 6010D	414834
40244176024	**PZ-4**	EPA 3010A	414744	EPA 6010D	414834
40244176025	**PZ-5**	EPA 3010A	414744	EPA 6010D	414834
40244176026	**PZ-6**	EPA 3010A	414744	EPA 6010D	414834
40244176034	**MW-17S DUP**	EPA 3010A	414744	EPA 6010D	414834
40244176035	**MW-2S DUP**	EPA 3010A	414744	EPA 6010D	414834
40244176036	**MW-8S DUP**	EPA 3010A	414744	EPA 6010D	414834
40244176027	**PW-1**	EPA 7470	415124	EPA 7470	415182
40244176028	**PW-2**	EPA 7470	415124	EPA 7470	415182
40244176029	**PW-3**	EPA 7470	415124	EPA 7470	415182
40244176030	**PW-4**	EPA 7470	415124	EPA 7470	415182
40244176031	**PW-5**	EPA 7470	415124	EPA 7470	415182
40244176032	**PW-6**	EPA 7470	415124	EPA 7470	415182
40244176001	**MW-1SR**	EPA 7470	414786	EPA 7470	414816
40244176002	**MW-2S**	EPA 7470	414786	EPA 7470	414816
40244176003	**MW-2M**	EPA 7470	414786	EPA 7470	414816
40244176004	**MW-4S**	EPA 7470	414786	EPA 7470	414816
40244176005	**MW-5S**	EPA 7470	414786	EPA 7470	414816
40244176006	**MW-6S**	EPA 7470	414786	EPA 7470	414816

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244176007	MW-6M	EPA 7470	414786	EPA 7470	414816
40244176008	MW-7M	EPA 7470	414786	EPA 7470	414816
40244176009	MW-8S	EPA 7470	414786	EPA 7470	414816
40244176010	MW-8M	EPA 7470	414786	EPA 7470	414816
40244176011	MW-9M	EPA 7470	414786	EPA 7470	414816
40244176012	MW-10M	EPA 7470	414786	EPA 7470	414816
40244176013	MW-11M	EPA 7470	414786	EPA 7470	414816
40244176014	MW-12S	EPA 7470	414786	EPA 7470	414816
40244176015	MW-14S	EPA 7470	414786	EPA 7470	414816
40244176016	MW-15M	EPA 7470	414786	EPA 7470	414816
40244176017	MW-16S	EPA 7470	414786	EPA 7470	414816
40244176018	MW-16M	EPA 7470	414786	EPA 7470	414816
40244176019	MW-17S	EPA 7470	414786	EPA 7470	414816
40244176020	MW-17M	EPA 7470	414786	EPA 7470	414816
40244176021	PZ-1	EPA 7470	415125	EPA 7470	415184
40244176022	PZ-2	EPA 7470	415125	EPA 7470	415184
40244176023	PZ-3	EPA 7470	415125	EPA 7470	415184
40244176024	PZ-4	EPA 7470	415125	EPA 7470	415184
40244176025	PZ-5	EPA 7470	415125	EPA 7470	415184
40244176026	PZ-6	EPA 7470	415125	EPA 7470	415184
40244176034	MW-17S DUP	EPA 7470	415125	EPA 7470	415184
40244176035	MW-2S DUP	EPA 7470	415125	EPA 7470	415184
40244176036	MW-8S DUP	EPA 7470	415125	EPA 7470	415184
40244176002	MW-2S	EPA 8260	414540		
40244176003	MW-2M	EPA 8260	414540		
40244176004	MW-4S	EPA 8260	414906		
40244176005	MW-5S	EPA 8260	414906		
40244176006	MW-6S	EPA 8260	414906		
40244176007	MW-6M	EPA 8260	414906		
40244176008	MW-7M	EPA 8260	414540		
40244176009	MW-8S	EPA 8260	414906		
40244176010	MW-8M	EPA 8260	414906		
40244176011	MW-9M	EPA 8260	414540		
40244176013	MW-11M	EPA 8260	414540		
40244176014	MW-12S	EPA 8260	414906		
40244176015	MW-14S	EPA 8260	414906		
40244176016	MW-15M	EPA 8260	414906		
40244176017	MW-16S	EPA 8260	414540		
40244176018	MW-16M	EPA 8260	414540		
40244176019	MW-17S	EPA 8260	414540		
40244176020	MW-17M	EPA 8260	414906		
40244176021	PZ-1	EPA 8260	414540		
40244176022	PZ-2	EPA 8260	414540		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244176023	**PZ-3**	EPA 8260	414542		
40244176024	**PZ-4**	EPA 8260	414542		
40244176025	**PZ-5**	EPA 8260	414542		
40244176026	**PZ-6**	EPA 8260	414542		
40244176027	**PW-1**	EPA 8260	414542		
40244176028	**PW-2**	EPA 8260	414629		
40244176029	**PW-3**	EPA 8260	414629		
40244176030	**PW-4**	EPA 8260	414629		
40244176031	**PW-5**	EPA 8260	414542		
40244176032	**PW-6**	EPA 8260	414542		
40244176033	**TRIP BLANK**	EPA 8260	414542		
40244176034	**MW-17S DUP**	EPA 8260	414542		
40244176035	**MW-2S DUP**	EPA 8260	414542		
40244176036	**MW-8S DUP**	EPA 8260	414629		
40244176001	**MW-1SR**				
40244176002	**MW-2S**				
40244176003	**MW-2M**				
40244176004	**MW-4S**				
40244176005	**MW-5S**				
40244176006	**MW-6S**				
40244176007	**MW-6M**				
40244176008	**MW-7M**				
40244176009	**MW-8S**				
40244176010	**MW-8M**				
40244176011	**MW-9M**				
40244176012	**MW-10M**				
40244176013	**MW-11M**				
40244176014	**MW-12S**				
40244176015	**MW-14S**				
40244176016	**MW-15M**				
40244176017	**MW-16S**				
40244176018	**MW-16M**				
40244176019	**MW-17S**				
40244176020	**MW-17M**				
40244176021	**PZ-1**				
40244176022	**PZ-2**				
40244176023	**PZ-3**				
40244176024	**PZ-4**				
40244176025	**PZ-5**				
40244176026	**PZ-6**				
40244176037	**MW-2D**				
40244176001	**MW-1SR**	EPA 310.2	414762		
40244176002	**MW-2S**	EPA 310.2	414762		
40244176003	**MW-2M**	EPA 310.2	414762		
40244176004	**MW-4S**	EPA 310.2	414762		
40244176005	**MW-5S**	EPA 310.2	414760		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244176006	MW-6S	EPA 310.2	414762		
40244176007	MW-6M	EPA 310.2	414762		
40244176008	MW-7M	EPA 310.2	414760		
40244176009	MW-8S	EPA 310.2	414821		
40244176010	MW-8M	EPA 310.2	414821		
40244176011	MW-9M	EPA 310.2	414821		
40244176012	MW-10M	EPA 310.2	414762		
40244176013	MW-11M	EPA 310.2	414821		
40244176014	MW-12S	EPA 310.2	414760		
40244176015	MW-14S	EPA 310.2	414762		
40244176016	MW-15M	EPA 310.2	414762		
40244176017	MW-16S	EPA 310.2	414762		
40244176018	MW-16M	EPA 310.2	414762		
40244176019	MW-17S	EPA 310.2	414762		
40244176020	MW-17M	EPA 310.2	414762		
40244176021	PZ-1	EPA 310.2	414762		
40244176022	PZ-2	EPA 310.2	414762		
40244176023	PZ-3	EPA 310.2	414762		
40244176024	PZ-4	EPA 310.2	414762		
40244176025	PZ-5	EPA 310.2	414760		
40244176026	PZ-6	EPA 310.2	414760		
40244176034	MW-17S DUP	EPA 310.2	414762		
40244176035	MW-2S DUP	EPA 310.2	414762		
40244176036	MW-8S DUP	EPA 310.2	414821		
40244176001	MW-1SR	EPA 9060	414627		
40244176002	MW-2S	EPA 9060	414627		
40244176003	MW-2M	EPA 9060	414627		
40244176004	MW-4S	EPA 9060	414627		
40244176005	MW-5S	EPA 9060	414627		
40244176006	MW-6S	EPA 9060	414627		
40244176007	MW-6M	EPA 9060	414627		
40244176008	MW-7M	EPA 9060	414627		
40244176009	MW-8S	EPA 9060	414627		
40244176010	MW-8M	EPA 9060	414627		
40244176011	MW-9M	EPA 9060	414627		
40244176012	MW-10M	EPA 9060	414627		
40244176013	MW-11M	EPA 9060	414627		
40244176014	MW-12S	EPA 9060	414627		
40244176015	MW-14S	EPA 9060	414627		
40244176016	MW-15M	EPA 9060	414627		
40244176017	MW-16S	EPA 9060	414627		
40244176018	MW-16M	EPA 9060	415493		
40244176019	MW-17S	EPA 9060	415493		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40244176

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244176020	**MW-17M**	EPA 9060	415493		
40244176021	**PZ-1**	EPA 9060	415493		
40244176022	**PZ-2**	EPA 9060	415493		
40244176023	**PZ-3**	EPA 9060	415493		
40244176024	**PZ-4**	EPA 9060	415493		
40244176025	**PZ-5**	EPA 9060	415493		
40244176026	**PZ-6**	EPA 9060	415493		
40244176034	**MW-17S DUP**	EPA 9060	415493		
40244176035	**MW-2S DUP**	EPA 9060	415493		
40244176036	**MW-8S DUP**	EPA 9060	415493		

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

COC No. L102441176

Pace Analytical®
www.pacelabs.com

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:	The OS Group LLC
Branch/Location:	LaCrosse WI
Project Contact:	Steven Osesek
Phone:	608-433-9388
Project Number:	
Project Name:	Town of Onalaska Landfill
Project State:	WI
Sampled By (Print):	Steven Osesek
Sampled By (Sign):	Steven Osesek
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Steven Osesek
Mail To Company:	The OS Group LLC
Mail To Address:	444 21st St S LaCrosse, WI 54601
Invoice To Contact:	Steven Osesek
Invoice To Company:	The OS Group LLC
Invoice To Address:	444 21st St S LaCrosse, WI 54601
Invoice To Phone:	608-433-9388

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	VOCs 8260	Metals, Diss* 6010/7470	Alkalinity 310.2	TOC 9060	Metals, Total* 6010/7470	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	Analyses Requested				Pick Letter	B	D	A	C	D			
001	MW-1SR	4/27	2:01	GW		X	X	X	X			*Canceled VOC on MW-1SR per Steve O-OS Group. Not required for monitoring. 5/2/22 CDH	
002	MW-2S	4/27	1:09	GW							Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg		
003	MW-2M	4/27	12:39	GW									
004	MW-4S	4/26	4:21	GW									
005	MW-5S	4/25	3:52	GW									
006	MW-6S	4/26	1:06	GW									
007	MW-6M	4/26	1:29	GW									
008	MW-7M	4/25	1:37	GW									
009	MW-8S	4/28	12:06	GW									
010	MW-8M	4/28	12:28	GW									
011	MW-9M	4/28	11:25	GW		X	X	X	X				
012	MW-10M	4/26	3:33	GW			X	X	X				
013	MW-11M	4/28	10:42	GW		X	X	X	X				

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:
Steven Osesek	4/28/22 3:45		
Fed-ex	4.29.22 1130	[signature] pace	4.29.22 1130

PACE Project No. L102441176

Receipt Temp = 8.1 °C

Sample Receipt pH (OK) Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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

COC No. 102441176

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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:	The OS Group LLC
Branch/Location:	LaCrosse WI
Project Contact:	Steven Osesek
Phone:	608-433-9388
Project Number:	
Project Name:	Town of Onalaska Landfill
Project State:	WI
Sampled By (Print):	Steven Osesek
Sampled By (Sign):	Steven Osesek
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Steven Osesek
Mail To Company:	The OS Group LLC
Mail To Address:	444 21st St S LaCrosse, WI 54601
Invoice To Contact:	Steven Osesek
Invoice To Company:	The OS Group LLC
Invoice To Address:	444 21st St S LaCrosse, WI 54601
Invoice To Phone:	608-433-9388

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
014	MW-12S	4/25	12:53	GW
015	MW-14S	4/27	11:12	GW
016	MW-15M	4/26	12:13	GW
017	MW-16S	4/27	3:05	GW
018	MW-16M	4/27	2:40	GW
019	MW-17S	4/26	10:55	GW
020	MW-17M	4/26	10:22	GW
021	PZ-1	4/27	10:51	GW
022	PZ-2	4/27	11:45	GW
023	PZ-3	4/26	1:51	GW
024	PZ-4	4/26	3:03	GW
025	PZ-5	4/25	12:25	GW
026	PZ-6	4/25	12:06	GW

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

Analyses Requested	Y/N	Pick Letter	VOCs 8260	Metals, Diss* 6010/7470	Alkalinity 310.2	TOC 9060	Metals, Total* 6010/7470			
	N	B	X	X	X	X				
	Y	D	↓	↓	↓	↓				
	N	A	↓	↓	↓	↓				
	N	C	↓	↓	↓	↓				
	N	D	↓	↓	↓	↓				

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg		

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:
Steven Osesek	4/28/22 3:45		
Fedex	4.29.22 1130	Josh Pollatt PACE	4.29.22 1130

PACE Project No. 102441176

Receipt Temp = 2.1, 1.1, 1.1, 1.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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

COC No. 10244176

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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:	The OS Group LLC
Branch/Location:	LaCrosse WI
Project Contact:	Steven Osesek
Phone:	608-433-9388
Project Number:	
Project Name:	Town of Onalaska Landfill
Project State:	WI
Sampled By (Print):	Steven Osesek
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PO #:	Regulatory Program:

Quote #:	
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Invoice To Contact:	Steven Osesek
Invoice To Company:	The OS Group LLC
Invoice To Address:	444 21st St S LaCrosse, WI 54601
Invoice To Phone:	608-433-9388

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
Sl = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested	VOCs 8260	Metals, Diss* 6010/7470	Alkalinity 310.2	TOC 9060	Metals, Total* 6010/7470				CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)					Y/N	N	Y	N	N	N						
PRESERVATION (CODE)*					Pick Letter	B	D	A	C	D						
027	PW-1	4/26	12:00	PW		X				X						
028	PW-2	4/27	3:50			X				X				Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg		
029	PW-3	4/27	4:05			X				X						
030	PW-4	4/28	1:12			X				X						
031	PW-5	4/27	4:17			X				X						
032	PW-6	4/27	4:36			X				X						
033	Trip Blank	4/25	12:00			X				X						
034	Dup #1	4/26		GW		X	X	X	X							
035	Dup #2	4/27		GW		X	X	X	X							
036	Dup #3	4/28		GW		X	X	X	X							

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:
Steven Osesek	4/28/22 3:45		
Fed ex	4-29-22 1130	Josh Pollitt pace	4-29-22 1130

PACE Project No.
10244176

Receipt Temp = 2.1, 1.4, 1.1, 1.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Sample Preservation Receipt Form

Client Name: The OS Group Project # WO# 41176

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

Lab Lot# of pH paper: 107312 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
001				2						1		1																			X		2.5 / 5 / 10
002				2						1		1					3														X		2.5 / 5 / 10
003				2						1		1					3														X		2.5 / 5 / 10
004				2						1		1					3														X		2.5 / 5 / 10
005				2						1		1					3														X		2.5 / 5 / 10
006				2						1		1					3														X		2.5 / 5 / 10
007				2						1		1					3														X		2.5 / 5 / 10
008				2						1		1					3														X		2.5 / 5 / 10
009				2						1		1					3														X		2.5 / 5 / 10
010				2						1		1					3														X		2.5 / 5 / 10
011				2						1		1					3														X		2.5 / 5 / 10
012				2						1		1																			X		2.5 / 5 / 10
013				2						1		1					3														X		2.5 / 5 / 10
014				2						1		1					3														X		2.5 / 5 / 10
015				2						1		1					3														X		2.5 / 5 / 10
016				2						1		1					3														X		2.5 / 5 / 10
017				2						1		1					3														X		2.5 / 5 / 10
018				2						1		1					3														X		2.5 / 5 / 10
019				2						1		1					3														X		2.5 / 5 / 10
020				2						1		1					3														X		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 *If yes look in headspace column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Page 1 of 3

Sample Preservation Receipt Form

Client Name: The OS Group Project #: 40244176

Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	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)
	Glass								Plastic					Vials						Jars				General									
021				2						1		1					3														X		2.5 / 5 / 10
022				2						1		1					3														X		2.5 / 5 / 10
023				2						1		1					3														X		2.5 / 5 / 10
024				2						1		1					3														X		2.5 / 5 / 10
025				2						1		1					3														X		2.5 / 5 / 10
026				2						1		1					3														X		2.5 / 5 / 10
027												1					3														X		2.5 / 5 / 10
028												1					3														X		2.5 / 5 / 10
029												1					3														X		2.5 / 5 / 10
030												1					3														X		2.5 / 5 / 10
031												1					3														X		2.5 / 5 / 10
032												1					3														X		2.5 / 5 / 10
033																	2																2.5 / 5 / 10
034				2						1		1					3														X		2.5 / 5 / 10
035				2						1		1					3														X		2.5 / 5 / 10
036				2						1		1					3														X		2.5 / 5 / 10
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4.29.22 JP

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Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40244176

Client Name: The OS Group

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

Tracking #: 2725 5079 3606/2725 5079 3617 / 2725 5079 3628/2725 5079 3639

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-116 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.1,1.1 /Corr: 2.1,1.1,1.1,1.1

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

Person examining contents: Date: 4.29.22 /Initials: AP

Labeled By Initials: AJ

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. Proj# 4.29.22 AP
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
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: For Analysis: ~~☑Yes~~ ☑No MS/MSD: ☐Yes ☑No ☐N/A		8. NO volume received for VOC-001 4.30.22 AP
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.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 477		

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

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login