Coulee Environmental Solutions™
a division of
The OS Group LLC

444 21st Street South · La Crosse, Wisconsin · 54601

January 28, 2019

Ms. Mae Willkom
Wisconsin Department of Natural Resources
1300 W Clairemont Avenue
Eau Claire, WI 54701

RE: 2018 Annual Groundwater Monitoring Summary Report
Town of Onalaska Landfill Superfund Site
Sportsman Club Road
Town of Onalaska, Wisconsin
WDNR BRRTS Activity# 02-32-000311

Dear Ms. Willkom:
Coulee Environmental Solutions™, a division of The OS Group, LLC (CES) is submitting the attached Annual Groundwater Monitoring Summary Report for the 2018 groundwater sampling completed at the Town of Onalaska Landfill Superfund site located on Sportsman Club Road in the Town of Onalaska, La Crosse County, Wisconsin.

We appreciate the opportunity to have provided our services. If you have any question, please call me at either number below.

Sincerely,

Steven Osesek
Coulee Environmental Solutions™
A division of The OS Group, LLC
444 21st Street South
La Crosse, Wisconsin 54601
608.433.9388 – Direct
608.769.1311 – Mobile
608.433.9386 – Fax
E-Mail Address: Steve.Osesek@theOSgrp.com

Cc: Kathleen Meier – Environmental Protection Agency

Attachment:
2019 Annual Groundwater Monitoring Summary Report

2018 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
1300 W Clairemont Avenue
Eau Claire, WI 54701

Project No. 1701119
January 2019

The OS Group LLC

JANUARY 24, 2019

2018 ANNUAL GROUNDWATER MONITORING SUMMARY REPORT

PROJECT NO. 1701119

PREPARED BY:

COULEE ENVIRONMENTAL SOLUTIONS™
A DIVISION OF THE OS GROUP, LLC
444 21ST STREET SOUTH
LA CROSSE, WISCONSIN 54601

PREPARED FOR:

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
1300 W. CLAIREMONT AVENUE
EAU CLAIRE, WI 54701

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APPENDICES

1.0 INTRODUCTION

Coulee Environmental Solutions™, a division of The OS Group, LLC (CES) has completed annual 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 routine semi-annual groundwater sampling events at the site. While the sampling events generally occur in April and October of each year, the October 2017 sampling event was completed in January 2018 per the WDNR's October 2017 Groundwater Monitoring Scope of Work. This report covers three monitoring events: January 2018, April 2018 and October 2018.

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 in Figure 1. A site plan view is provided in Figure 2.

2.0 FIELD ACTIVITIES

2.1 GROUNDWATER MONITORING

Groundwater samples were collected from select groundwater monitoring wells on January 9, April 23 – 26, and October 22, 2018, per scope of work developed by the WDNR. Prior to collection of the samples, CES field personnel opened all of the shallow and mid-depth groundwater monitoring wells. After water levels were allowed to stabilize for more than one hour, CES field personnel measured depth to water level in each monitoring well. Monitoring wells to be sampled were then purged using the 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 0.45 micron filter. Groundwater samples were preserved and stored on ice and shipped under chain of custody to Pace Analytical in Green Bay, WI 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 private potable wells PW-1, PW-2 and PW-4 during the April 2018 sampling event. Samples from PW-2 and PW-4 were collected from an outside tap. The sample from PW-1 was collected from an inside tap located upstream of any water treatment unit, such as a water softener. CES field personnel purged the three potable wells for a minimum of ten minutes prior to sampling. Samples were preserved and shipped on ice to Pace Analytical in Green Bay, WI 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.

An attempt was made to sample PW-3 during the April sampling event; however, the owner of the well denied permission to sample the well over concerns that a different consultant (Braun Intertec) had sampled it in the past. On May 24, 2018, the WDNR sent a letter to the home owner requesting permission to sample the well. To the best of our knowledge, no response has been received. One other attempt was made to sample the well during the October sampling event; however, no one was home at the time of the visit. CES received no response to a note left at the residence requesting permission to sample the well.

3.0 RESULTS

3.1 WATER LEVELS AND FLOW DIRECTION

During the January 2018 groundwater sampling event, groundwater was encountered at depths ranging from approximately 4 to 30 feet below ground surface. During the April and October sampling events, groundwater was encountered at depths ranging from approximately 2 to 28 feet below ground surface. Potentiometric surface maps were made for both the shallow and mid-depth wells with shallow wells denoted with a "S" and "PZ" suffix and mid-depth wells denoted with a "M" suffix. During all sampling events, the groundwater flow direction appeared to be either to the south or south-southwestern direction in both the shallow and mid-depth wells. Potentiometric Surface Maps for both shallow and mid-depth wells for all three events are provided in Figure 3 through 8.

3.2 GROUNDWATER RESULTS

During the January and October 2018 sampling events, five "shallow" monitoring wells (MW-4S, MW-5S, MW-17S, PZ-5 and PZ-6) were analyzed for VOCs, metals, and total organic carbon (TOC). Alkalinity was also analyzed during the January event. During the April 2018 sampling event, all twenty-six (26) monitoring wells were sampled for metals, TOC, and alkalinity. Thirteen (13) of the twenty-six (26) monitoring wells were also analyzed for VOCs.

During all three sampling events, laboratory analytical results were similar to previous results with arsenic, iron, and manganese commonly detected at concentrations above the NR 140 enforcement standards. Barium (MW-2M, MW-6M, MW-8M, MW-15M, MW-16M, and MW-17M) and lead (MW-8M, MW-10M, MW-11M) were occasionally detected at concentrations above the NR 140 preventive action limit. The most commonly detected VOCs included trimethylbenzenes (MW-4S, MW-5S, MW-17S, and PZ-5) and naphthalene (MW-5S, MW-14S, MW-16M, and PZ-6). Other VOC compounds detected above applicable standards include benzene detected above the PAL in PZ-6 during the April 2018 sampling event and methylene chloride detected above the PAL in both PZ-5 an PZ-6 during the October 2018 sampling event. However, because methylene chloride was also detected above the PAL in the trip blank accompanying the October 2018 samples, it is believed that the methylene chloride detections was a laboratory contaminant.

3.3 APRIL 2018 POTABLE WELL RESULTS

Laboratory analysis of the potable well samples detected iron and manganese in all three potable well samples. Iron was detected above the NR 140 enforcement standard in PW-1 and PW-4 and above the preventive action limit in PW-2. Manganese was detected above

the NR 140 preventive action limit in all three (PW-1, PW-2, and PW-4) potable well samples. No VOC constituents were detected in any of the potable well samples.

4.0 SUMMARY AND CONCLUSIONS

A summary of the 2018 Groundwater Monitoring at the Town of Onalaska Superfund Site follows:

- Groundwater samples were collected from five shallow monitoring wells (MW-4S, MW-5S, MW-17S, PZ-5 and PZ-6) in January and October 2018 for VOC, metals, and TOC analysis. Alkalinity was also analyzed during the January 2018 sampling event.

- Groundwater samples were collected from twenty six (26) shallow and mid-depth monitoring wells during the April sampling event and analyzed for metals, TOC and alkalinity. In addition, 13 of the samples were analyzed for VOCs.

- Potable water samples were collected from three (3) potable wells (PW-1, PW-2, and PW-4) during the April 2018 sampling event and submitted for VOC and metals analysis.

- An attempt was made to sample PW-3 during the April 2018 sampling event; however, the homeowner did not grant permission to sample the well. A subsequent letter to the homeowner from the WDNR requesting permission was unanswered.

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

- Arsenic, iron and manganese were detected within wells at concentrations above the NR 140 enforcement standards during all three sampling events. Barium was detected in six (6) mid-depth wells at concentrations above the PAL during the April sampling event. Lead was detected at concentrations above the PAL in two (2) wells during the January sampling event and in three (3) wells during the April sampling event.

- 1,2,4-trimethylbenzene was detected at concentrations above either the NR 140 ES or PAL in monitoring wells MW-4S, MW-5S, MW-17S, and PZ-5. Naphthalene was detected above the NR 140 PAL in wells MW-5S, MW-14S, MW-16M, and PZ-6.

- Although methylene chloride was detected above the NR 140 PAL in PZ-5 and PZ-6 during the October 2018 sampling event, the detections are believed to be a

laboratory contaminant as the trip blank accompanying these samples also had a methylene chloride detection above the PAL.

- No VOCs were detected in any of the three potable well samples.
- Iron and manganese were detected in all three potable well samples. Iron was detected above the ES in PW-1 and PW-4 and above the PAL in PW-2. Manganese exceeded the PAL in all three potable wells.

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 orrect and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Steven Osesek

Name: Steven Osesek
Title: Project Manager
Phone: (608) 433-9388
Steve.Osesek@theOSgrp.com

Date: 1/24/19

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.

John C. Storlie Jr.

Wisconsin Professional Geologist No. 305-13, Exp 07/31/2020

Name: John Storlie, PG
Title: Principal Consultant / Hydrogeologist
Phone: (608) 433-9389
John.Storlie@theOSgrp.com

Date: 24 January 2019

TABLES

Table 1
1SR
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	4/15/2009	4/28/2010	4/18/2012	5/17/2013	4/29/2014	10/15/2015	4/22/2016	4/18/2017	4/26/2018	PAL	ES
Metals, mg/L											
Arsenic	0.00027	<0.00061	0.00025	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	0.001	0.01
Barium	0.033	0.033	0.037	0.0263	0.0316	0.0664	0.0273	0.0215	0.251	0.4	2
Cadmium	<0.00012	<0.00061	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	34.3	26.1	----	----	----	----	----	----
Cobalt	0.00024	<0.00061	0.021	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	0.008	0.04
Iron	<0.15	0.28	0.250	0.0149	0.0279	0.141	<0.0129	<0.0155	**0.42**	0.15	0.3
Lead	0.00029	<0.00061	**0.029**	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	12.8	9.43	----	----	----	----	----	----
Manganese	0.19	0.049	**0.600**	0.187	0.269	**0.320**	0.042	0.0553	**0.325**	0.060	0.300
Mercury	<0.000065	<0.000065	<0.000070	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	2.04	1.59	----	----	----	----	----	----
Sodium	----	----	----	3.75	3.92	----	----	----	----	----	----
Vanadium	0.00054	<0.00061	0.00060	<0.0012	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L											
Ethane	----	----	<0.49	----	----	----	----	----	----	----	----
Ethene	----	----	0.64	----	----	----	----	----	----	----	----
Methane	----	----	2.8	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L											
Chloride	5.8	3.6	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	140	170	110	113	101	160	114	101	93.1	----	----
Total Organic Carbon	----	----	4.8	----	----	----	----	----	3.6	----	----
pH	6.99	7.1	7.86	6.73	7.84	6.92	7.53	7.02	6.36	----	----
Conductivity (mS/cm)	219	340	320	0.174	0.163	0.299	0.196	0.181	0.187	----	----
Temperature (C)	6.9	8.2	12.3	9.85	7.22	11.37	9.06	9.41	8.45	----	----
ORP (mV)	+17	+15	39.7	65.6	48.4	16.4	70.2	80.9	20.4	----	----
Dissolved Oxygen (mg/L)	2.0	3.0	4.5	4.62	12.45	1.16	3.28	3.64	1.07	----	----

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	4/28/2010	4/19/2012	5/16/2013	4/29/2014	10/15/2015	4/27/2016	4/21/2017	4/26/2018	PAL	ES
Metals, mg/L										
Arsenic	----	0.0068	**0.0235**	**0.0285**	**0.017**	**0.0204**	**0.0233J**	**0.0245**	0.001	0.01
Barium	----	0.240	0.795	0.646	0.519	0.453	0.501	0.472	0.4	2
Cadmium	----	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<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	0.008	0.04
Iron	----	0.100	**18.2**	**13.4**	**10.3**	**9.94**	**9.56**	**9.15**	0.15	0.3
Lead	----	0.00036	<0.0012	<0.0030	0.0034	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	13.6	10.7	----	----	----	----	----	----
Manganese	----	0.210	**1.25**	**1.02**	**0.864**	**0.787**	**0.836**	**0.822**	0.060	0.300
Mercury	----	<0.000070	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	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	0.006	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	----	----
Total Organic Carbon	----	----	----	----	----	----	----	4.7	----	----
pH	----	7.66	7.32	8.45	7.27	7.72	7.47	7.12	----	----
Conductivity (mS/cm)	----	220	0.335	0.340	0.253	0.212	0.247	0.248	----	----
Temperature (C)	----	9.6	10.77	10.57	10.22	10.59	10.19	10.66	----	----
ORP (mV)	----	-3.8	-142.2	-384.2	-122.0	-16.2	-166.6	-147.2	----	----
Dissolved Oxygen (mg/L)	----	4.4	0.86	0.53	0.54	0.32	0.83	0.11	----	----

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	PAL	ES
1,2,4-Trimethylbenzene	<0.22	<0.57	<0.50	1.6	1.4	0.5	----	96	480
1,3-Dichlorobenzene	0.53	<0.45	<0.50	1.8	1.4	<0.50	----	120	600
1,4-Dichlorobenzene	2.2	2.5	1.4	2.9	2.4	1.3	----	15	75
Acetone	----	4.6	<3.0	<3.0	<3.0	<3	----	1800	9000
Benzene	0.94	0.67	<0.50	1.8	1.5	<0.50	----	0.5	5
Chlorobenzene	18	8.7	3.2	68.9	59.6	3.4	----	----	----
Isopropylbenzene	----	----	<0.12	0.40	0.43	<0.14	----	-----	-----
Methylene chloride	<0.63	<0.36	<0.23	<0.23	<0.23	0.33J	----	0.5	5
n-Propylbenzene	----	----	<0.50	0.55	<0.50	<0.50	----	-----	-----
Xylenes (total)	0.39	<1.3	<1.5	<1.5	1.7	<1.5	----	400	2,000
Metals, mg/L									
Arsenic	0.0097	0.0095	**0.013**	0.0080	0.0083	**0.0141J**	**0.0119J**	0.001	0.01
Barium	0.140	0.152	0.109	0.135	0.161	0.0842	0.0865	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<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	0.008	0.04
Iron	**35**	**37.1**	**33.2**	**27.1**	**32.8**	**29.3**	**22.6**	0.15	0.3
Lead	0.00055	<0.0012	<0.0030	<0.0030	0.0036	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	7.71	8.35	----	----	----	----	----	----
Manganese	**0.990**	**0.999**	**1.02**	**0.799**	**0.787**	**0.904**	**0.617**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	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	0.006	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	----	----
Total Organic Carbon	----	----	----	----	----	----	3.8	----	----
pH	7.34	6.52	9.32	6.46	6.90	6.62	6.29	----	----
Conductivity (mS/cm)	440	0.372	0.376	0.481	0.457	0.342	0.307	----	----
Temperature (C)	10.1	11.43	10.86	10.14	10.90	10.62	11.12	----	----
ORP (mV)	-57.6	-49.8	-554.3	-47.3	-68.7	-74.0	-52.5	----	----
Dissolved Oxygen (mg/L)	2.0	1.1	0.60	0.34	0.47	0.79	0.15	----	----

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	10/8/2008	4/14/2009	10/28/2009	4/28/2010	10/28/2010	10/27/2011	4/18/2012	5/17/2013	10/29/2013
1,2,4-Trimethylbenzene	**910**	**470**	**780**	**480**	**800**	280	89	**511**	**707**
1,3,5-Trimethylbenzene	**220**	**65**	**28**	**18**	**49**	<1.0	<0.23	**18.5**	**6.9**
n-Butylbenzene	16	10	<0.20	7.7	32	5.6	<0.21	----	6.3
sec-Butylbenzene	27	20	32	20	18	14	5.7	----	21.7
Chloroethane	<1.0	<10	<1.0	<8.0	<10	<5.0	<0.33	<0.44	
tert-Butylbenzene	<0.20	----	----	2.7	<2.0	1.7	<0.24	---	2.2
Ethylbenzene	18	<5.0	6.5	<4.0	5.8	<2.5	<0.14	1.1	7.2
Isopropylbenzene	27	11	21	9.3	9.8	7.1	1.5	----	19.4
p-Isopropyltoluene	32	24	31	19	57	8.9	3.0	----	10.7
Naphthalene	33	8.2	11	4.1	49	3.3	<0.24	4.5	18.2
n-Propylbenzene	60	24	45	20	30	14	3.6	----	31.1
Xylenes (total)	91	12	24	8.0	13	5.6	0.91	5.2	14.0
Metals, mg/L									
Arsenic	0.0076	0.005	0.0068	0.0058	0.0039	0.0037	0.0032	<0.0044	0.0071
Barium	0.300	0.270	0.240	0.27	0.24	0.21	0.170	0.261	0.274
Cadmium	<0.00012	<0.00012	<0.00061	<0.00061	<0.00012	<0.00012	<0.00010	0.00059	<0.00038
Cobalt	0.00044	0.0005	<0.00061	<0.00061	<0.00061	<0.00016	0.00019	<0.00085	<0.00085
Iron	**11**	**11**	**12**	**9.2**	**8.0**	**7.0**	**5.3**	**7.98**	**10**
Lead	<0.00012	0.00035	<0.00061	<0.00061	<0.00061	0.00013	0.00025	<0.0012	<0.0012
Manganese	**2.1**	0.011	**1**	**1.3**	**1.3**	**1.2**	**1.1**	**1.2**	**0.949**
Mercury	<0.000065	<0.000065	<0.000065	<0.000065	<0.000065	<0.000070	<0.00070	<0.00010	<0.00010
Vanadium	0.0016	0.00055	0.0007	<0.00061	<0.00061	<0.00066	0.00044	0.0022	<0.0012
Dissolved Gases, ug/L									
Ethane	----	----	-----	-----	-----	-----	-----	----	----
Ethene	----	----	-----	-----	-----	-----	-----	----	----
Methane	----	----	-----	-----	-----	-----	-----	----	----
Natural Attenuation Parameters, mg/L									
Chloride	----	16	-----	9.5	-----	-----	7.4	6.1	-----
Nitrate as N	----	----	-----	-----	-----	-----	-----	----	-----
Sulfate	----	----	-----	-----	-----	-----	-----	4.4	-----
Total Alkalinity	----	270	-----	290	-----	-----	390	290	-----
Total Organic Carbon	----	----	-----	-----	-----	-----	-----	----	-----
pH	6.79	6.81	6.98	6.6	7.37	7.8	7.30	6.69	6.96
Conductivity (mS/cm)	925	880	505	730	562	670	630	0.431	0.446
Temperature (C)	10.1	7.8	11.7	9.5	-10.0	9.6	12.6	9.58	11.61
ORP (mV)	-13	-13	-55	-15	-292.6	-113	-22.4	-66.4	-48.7
Dissolved Oxygen (mg/L)	1.5	1.0	2.0	2.5	0.0	0.0	5.0	1.3	0.71

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	4/28/2014	Duplicate 4/28/2014	10/28/2014	10/13/2015	Duplicate 10/13/2015	4/27/2016	Duplicate 4/27/2016	10/3/2016	4/19/2017
1,2,4-Trimethylbenzene	295	296	261	401	341	**976**	**871**	**1,650**	**913**
1,3,5-Trimethylbenzene	4.6	4.1	2.5	<1.2	<1.2	**<5.0**	**<5.0**	**195**	**<5**
n-Butylbenzene	4.7	5.2	6.3	6.1	5.5	<5.0	<5.0	16.7	9.4J
sec-Butylbenzene	14.5	16.0	23.4	21.1	19.3	30.8	30.2	40.9	22.8J
Chloroethane									
tert-Butylbenzene	1.6 J	1.8 J	3.0	2.4	2.2	4.2	3.2	4.7	2.2J
Ethylbenzene	<1.2	<2.5	<1.2	<1.2	<1.2	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene	7.2	7.7	12.7	10.7	9.8	17.5	16.5	23.6	13.5
p-Isopropyltoluene	8.6	9.9	11.2	12.0	11.5	25.5	25.2	32.5	17.9
Naphthalene	<6.2	<12.5	<6.2	<6.2	<6.2	<25.0	<25.0	<25.0	<25
n-Propylbenzene	14.5	15.8	15.4	18.4	17.4	43.2	39.4	<5.0	38
Xylenes (total)	<3.8	<7.5	<3.8	<3.8	<3.8	<15.0	<15.0	19.9	<15
Metals, mg/L									
Arsenic	<0.0072	-----	<0.0072	<0.0072	-----	<0.0072	-----	**0.0118**	<0.0054
Barium	0.214	-----	0.223	0.223	-----	0.251	-----	0.314	0.333
Cadmium	<0.00060	-----	<0.00060	<0.00060	-----	<0.00060	-----	<0.00060	<0.0013
Cobalt	<0.00094	-----	<0.00094	<0.00094	-----	<0.00094	-----	<0.00094	<0.0014
Iron	**6.82**	-----	**7.86**	**7.05**	-----	**9.83**	-----	**13.4**	**14.5**
Lead	<0.0030	-----	<0.0030	<0.0030	-----	<0.0030	-----	<0.0030	<0.0043
Manganese	**0.778**	-----	**0.876**	**0.730**	-----	**0.96**	-----	**0.934**	**1.12**
Mercury	<0.00010	-----	<0.00010	<0.00010	-----	<0.00018	-----	<0.00013	<0.00013
Vanadium	<0.0020	-----	<0.0020	0.0026	-----	<0.0020	-----	<0.0020	<0.0022
Dissolved Gases, ug/L									
Ethane	----	-----	-----	-----	-----	-----	-----	-----	-----
Ethene	----	-----	-----	-----	-----	-----	-----	-----	-----
Methane	----	-----	-----	-----	-----	-----	-----	-----	-----
Natural Attenuation Parameters, mg/L									
Chloride	15.6	-----	-----	-----	-----	-----	-----	-----	-----
Nitrate as N	----	-----	-----	-----	-----	-----	-----	-----	-----
Sulfate	3.6	-----	-----	-----	-----	-----	-----	-----	-----
Total Alkalinity	271	-----	-----	165	-----	271	-----	243	263
Total Organic Carbon	----	-----	-----	-----	-----	-----	-----	-----	-----
pH	7.15	-----	6.90	7.01	-----	7.31	-----	6.49	6.89
Conductivity (mS/cm)	0.431	-----	0.406	0.374	-----	0.398	-----	0.395	0.41
Temperature (C)	9.64	-----	11.13	10.64	-----	9.79	-----	11.97	9.86
ORP (mV)	-127	-----	-55.3	-74.7	-----	-86.9	-----	-73.4	-87.5
Dissolved Oxygen (mg/L)	1.00	-----	0.17	0.54	-----	0.37	-----	0.09	0.88

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	1/9/2018	4/26/2018	4/26/18 DUP	10/24/2018	PAL	ES
1,2,4-Trimethylbenzene	271	**584**	**504**	446	96	480
1,3,5-Trimethylbenzene	<0.50	**<0.50**	**<5.0**	<8.7	96	480
n-Butylbenzene	5.7	6.4	5.2J	<7.1	-----	-----
sec-Butylbenzene	17.7	20.0	<21.9	19.6J	-----	-----
Chloroethane	0.69J	0.84J	<3.7	<13.4	3	30
tert-Butylbenzene	2.0	2.6	2.1J	<3.0	-----	-----
Ethylbenzene	<0.5	0.95J	<5.0	<2.2	140	700
Isopropylbenzene	7.6	18.4	14.8	11.6J	-----	-----
p-Isopropyltoluene	9.9	11.9	8.9J	10.4J	-----	-----
Naphthalene	<2.5	7.0	<25.0	<11.8	10	100
n-Propylbenzene	13.8	31.6	26.1	20.2J	-----	-----
Xylenes (total)	2.1J	7.5	<15.0	<15.0	400	2,000
Metals, mg/L						
Arsenic	0.0094	**0.0109J**	0.0069J	**0.0114J**	0.001	0.01
Barium	0.266	0.293	0.297	0.296	0.4	2
Cadmium	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Cobalt	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**9.64**	**11.9**	**11.9**	**10.0**	0.15	0.3
Lead	0.0046	<0.0043	<0.0043	<0.0064	0.0015	0.015
Manganese	**0.801**	**0.868**	**0.892**	**0.754**	0.060	0.300
Mercury	<0.00013	<0.00013	<0.00013	<0.000084	0.0002	0.002
Vanadium	<0.0022	<0.0022	<0.0022	<0.0022	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	149	250	249	-----	----	----
Total Organic Carbon	1.8	2.5	2.7	2.0	----	----
pH	4.79	6.75	6.75	6.94	----	----
Conductivity (mS/cm)	0.308	0.46	0.46	0.499	----	----
Temperature (C)	11.62	10.03	10.03	10.28	----	----
ORP (mV)	-65	-83.9	-83.9	-150	----	----
Dissolved Oxygen (mg/L)	0.16	0.24	0.24	0.19	----	----

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	10/8/2008	4/14/2009	10/28/2009	4/28/2010	10/28/2010	10/27/2011	Duplicate 10/27/2011	4/18/2012	Duplicate 4/18/2012	5/15/2013
1,2,4-Trimethylbenzene	**1700**	460	**1100**	430	**1400**	340	**710**	**570**	330	**1,120**
1,3,5-Trimethylbenzene	**290**	16	**19**	1.6	**21**	11	**39**	**<0.46**	<0.23	**<2.5**
n-Butylbenzene	11	<3.2	9.7	1.7	6.6	3.6	5.5	<0.42	<0.21	-----
sec-Butylbenzene	20	10	19	7.9	16	9.3	12	7.1	6.7	-----
tert-Butylbenzene	<0.20	9.1	<0.20	7.3	19	9.9	12	<0.48	<0.24	-----
Acetone	----	----	----	----	----	----	----	----	----	3.7
Ethylbenzene	39	<8.0	10	<2.5	22	<2.0	<5.0	<0.28	<0.14	<0.50
Isopropylbenzene	60	25	70	30	57	30	34	18	16	---
p-Isopropyltoluene	16	<3.2	12	2.8	8.6	3.5	6.2	2.9	2.1	---
Naphthalene	41	24	38	23	46	19	33	21	21	38.1
n-Propylbenzene	94	38	110	43	79	32	48	25	22	----
Toluene	0.54	<8.0	<0.50	<2.5	<4.0	<2.0	<5.0	<0.30	0.24	<0.44
Xylenes (total)	180	<8.0	33	8.5	40	30	56	5.9	4.9	7.1
Metals, mg/L										
Arsenic	0.009	**0.011**	0.008	**0.015**	**0.015**	**0.014**	----	0.0098	----	**0.016**
Barium	0.30	0.29	0.20	0.28	0.45	0.25	----	0.180	----	0.296
Cadmium	<0.00012	<0.00012	<0.00061	<0.00061	0.00012	<0.00012	----	<0.00010	----	0.00055
Cobalt	0.0038	0.0048	0.0048	0.0051	0.0062	0.0041	----	0.0034	----	0.0049
Iron	**21**	**17**	**15**	**23**	**32**	**17**	----	**14**	----	**26.1**
Lead	0.00028	<0.00012	<0.00061	<0.00061	<0.00061	0.00025	----	<0.00016	----	<0.0012
Manganese	**2.0**	**1.9**	**1.7**	**2.0**	**2.2**	**1.9**	----	**1.4**	----	**1.84**
Mercury	<0.000065	<0.000065	<0.000065	<0.000065	<0.000065	<0.000070	----	<0.000070	----	<0.00010
Vanadium	<0.00012	0.00028	<0.00061	<0.00061	<0.00061	<0.00066	----	<0.00034	----	0.0021
Dissolved Gases, ug/L										
Ethane	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L										
Chloride	----	6.6	----	13	----	----	----	5.4	----	8.0
Nitrate as N	----	----	----	----	----	----	----	----	----	---
Sulfate	----	----	----	----	----	----	----	----	----	2.8
Total Alkalinity	----	270	----	260	----	----	----	140	----	225
Total Organic Carbon	----	----	----	----	----	----	----	----	----	----
pH	6.10	5.93	6.89	6.8	7.29	7.59	----	7.38	----	6.63
Conductivity (mS/cm)	530	610	407	380	1016	470	----	320	----	0.369
Temperature (C)	9.3	6.3	11.5	10.1	-12.7	10.4	----	14.9	----	9.4
ORP (mV)	+30	+29	-42	+40	109.2	132	----	57.7	----	-65.6
Dissolved Oxygen (mg/L)	1.0	1.5	2.0	2.0	1.95	2.5	----	3.0	----	1.88

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	Duplicate 5/15/13	10/29/2013	Duplicate 10/29/13	4/28/2014	Duplicate 4/28/2014	10/28/2014	10/13/2015	Duplicate 10/13/2015	4/25/2016	Duplicate 4/25/2016	10/3/2016
1,2,4-Trimethylbenzene	**1,060**	**1,510**	**1,380**	**922**	**1,340**	**1,560**	**1,510**	**1,860**	**1,120**	**1,060**	**1,220**
1,3,5-Trimethylbenzene	**<2.5**	**9**	**7**	**<10.0**	**<5.0**	**<10.0**	**<10.0**	**<5.0**	**<5.0**	**<2.5**	**<5.0**
n-Butylbenzene	-----	5.2	5.3	8.0	13.0	13.2	10.4	11.5	<5.0	<2.5	10.1
sec-Butylbenzene	-----	9.1	9.9	<43.7	<21.9	<43.7	<43.7	<21.9	<21.9	13.7	<21.9
tert-Butylbenzene	-----	11.4	12.1	13.4	14.9	22.6	17.1	18.6	17.2	16.9	16.9
Acetone	4.0	<25.9	<25.9	<59.1	<29.5	<59.1	<59.1	<29.5	<29.5	<14.8	<29.5
Ethylbenzene	<0.50	<5.0	<5.0	<10.0	<5.0	<10.0	<10.0	<5.0	<5.0	<2.5	<5.0
Isopropylbenzene	---	34.5	33.5	39.0	42.1	69.6	54.9	60.8	42.8	42.7	35.8
p-Isopropyltoluene	---	10.4	9.7	5.8	7.7	14.7	12.0	16.3	8.8	8.1	7.8
Naphthalene	35.2	25.4	<25.0	<50.0	38.8	52.0	<50.0	58.5	<25.0	21.6	29.1
n-Propylbenzene	----	78.0	73.6	64.5	73.9	101	114	118	73.1	70.9	74
Toluene	<0.44	<4.4	<4.4	<10.0	<5.0	<10.0	<10.0	<5.0	<5.0	<2.5	<5.0
Xylenes (total)	6.8	15.1	13.7	<30.0	<15.0	56.9	51.1	58.5	20.1	20.1	20.8
Metals, mg/L											
Arsenic	----	**0.0111**	----	**0.0154**	----	**0.0104**	**0.0109**	----	**0.0117**	----	**0.0201**
Barium	----	0.271	----	0.254	----	0.269	0.240	----	0.191	----	0.207
Cadmium	----	<0.00038	----	<0.00060	----	<0.00060	<0.00060	----	<0.00060	----	<0.00060
Cobalt	----	0.0065	----	0.0049	----	0.0047	0.0033	----	0.0030	----	0.0031
Iron	----	**12.2**	----	**19.6**	----	**21.7**	**17.3**	----	**16.0**	----	**15.8**
Lead	----	0.0015	----	<0.0030	----	<0.0030	<0.0030	----	<0.0030	----	<0.0030
Manganese	----	**1.09**	----	**1.46**	----	**1.48**	**1.42**	----	**1.24**	----	**1.07**
Mercury	----	<0.00010	----	<0.00010	----	<0.00010	<0.00010	----	<0.00018	----	<0.00013
Vanadium	----	<0.0012	----	<0.0020	----	<0.0020	0.0044	----	<0.0020	----	<0.0020
Dissolved Gases, ug/L											
Ethane	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L											
Chloride	----	----	----	11.1	----	----	----	----	----	----	----
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	----	2.6	----	----	----	----	----	----	----
Total Alkalinity	----	----	----	246	----	----	238	----	180	----	184
Total Organic Carbon	----	----	----	----	----	----	----	----	----	----	----
pH	----	6.72	----	6.78	----	6.14	6.72	----	7.11	----	6.66
Conductivity (mS/cm)	----	0.469	----	0.407	----	0.420	0.412	----	0.305	----	0.336
Temperature (C)	----	12.52	----	9.21	----	11.42	11.11	----	9.53	----	12.61
ORP (mV)	----	-25.5	----	-84.1	----	-54.0	-75.0	----	-93.1	----	-80.1
Dissolved Oxygen (mg/L)	----	0.82	----	1.65	----	0.30	0.83	----	0.68	----	0.11

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	Duplicate 10/3/2016	4/18/2017	Duplicate 4/18/2017	1/9/2018	4/25/2018	10/24/2018	10/24/18 DUP	PAL	ES
1,2,4-Trimethylbenzene	**1,210**	441	----	**1330**	**1020**	**760**	**1460**	96	480
1,3,5-Trimethylbenzene	**<2.5**	<5.0	----	**<5.0**	**<5.0**	**<8.7**	**<8.7**	96	480
n-Butylbenzene	10.5	<5.0	----	13.6	10.9	<7.1	<7.1	-----	-----
sec-Butylbenzene	14.6	<21.9	----	<21.9	<21.9	8.9J	17.0J	-----	-----
tert-Butylbenzene	18.3	5.9 J	----	19.3	22.6	12.7	10.1J	-----	-----
Acetone	<14.8	<29	<14.8	<29.5	<29.5	<27.4	<27.4	1800	9000
Ethylbenzene	<2.5	<5	<2.5	<5.0	<5.0	<2.2	<2.2	140	700
Isopropylbenzene	40.6	16.2	16.3	63.9	34.4	46.2J	10.5J	-----	-----
p-Isopropyltoluene	8.3	<5	3.3J	11.2	9.0J	<8.0	19.8J	-----	-----
Naphthalene	34	<25	<12.5	58	28.8J	25.2J	<11.8	10	100
n-Propylbenzene	80	22.6	23.3	104.0	55.2	60.4	22.9J	-----	-----
Toluene	<2.5	<5	<2.5	<5.0	<5.0	<1.7	<1.7	160	800
Xylenes (total)	21.2	<15	<7.5	47.1	<15.0	<15.0	<15.0	400	2,000
Metals, mg/L									
Arsenic	----	**0.015J**	----	**0.0176**	**0.0139J**	0.0075J	0.0055J	0.001	0.01
Barium	----	0.198	----	0.242	0.264	0.183	0.187	0.4	2
Cadmium	----	<0.0013	----	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Cobalt	----	0.0025J	----	0.003J	0.0033J	<0.0014	<0.0014	0.008	0.04
Iron	----	**15.3**	----	**18.6**	**21.7**	**14.8**	**11.1**	0.15	0.3
Lead	----	<0.0043	----	<0.0043	<0.0043	<0.0064	<0.0064	0.0015	0.015
Manganese	----	**1.04**	----	**1.28**	**1.39**	**1.08**	**1.32**	0.060	0.300
Mercury	----	<0.00013	----	<0.00013	<0.00013	<0.000084	<0.000084	0.0002	0.002
Vanadium	----	<0.0022	----	<0.0022	<0.0022	<0.0022	<0.0022	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	----	195	----	207	241	----	----	----	----
Total Organic Carbon	----	----	----	5.3	6.3	5.2	1.6	----	----
pH	----	6.94	----	6.18	6.59	6.82	6.82	----	----
Conductivity (mS/cm)	----	323	----	0.285	0.433	0.400	0.400	----	----
Temperature (C)	----	9.59	----	12.12	9.76	11.4	11.4	----	----
ORP (mV)	----	-101.6	----	-59.1	-84.7	-124.7	-124.7	----	----
Dissolved Oxygen (mg/L)	----	0.89	----	0.13	0.47	0.18	0.18	----	----

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	4/14/2009	10/28/2009	4/28/2010	10/28/2010	4/18/2012	5/16/2013	4/29/2014	10/14/2015	4/26/2016	10/4/2016	4/20/2017	4/24/2018	PAL	ES
Acetone	----	----	----	----	----	<2.6	<3.0	15.7	<3.0	<3.0	<3	<3.0	1800	9000
sec-Butylbenzene	<0.25	<0.25	5.0	1.3	<0.19	----	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	-----	-----
tert-Butylbenzene	<0.20	<0.20	5.8	2.3	<0.24	----	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	-----	-----
Chloroethane	----	----	1.2	1.1	<0.33	<0.44						<0.37	80	400
Chloromethane	----	----	<0.30	<0.30	<0.24	<0.39	<0.50	0.65	<0.50	<0.50	<0.50	<0.5	3	30
Isopropylbenzene	<0.20	<0.20	4.4	<0.20	<0.21	---	<0.12	<0.14	<0.14	<0.14	<0.14	<0.14	-----	-----
Naphthalene	<0.25	0.34	<0.25	<0.25	<0.24	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	10	100
Vinyl chloride			<0.20	<0.20	**0.28**	<0.18						<0.18	0.02	0.2
Metals, mg/L														
Arsenic	0.00086	0.0011	0.0017	0.0013	0.00080	<0.0044	<0.0072	<0.0072	<0.0072	0.0078	<0.0054	<0.0054	0.001	0.01
Barium	0.38	0.93	**2.3**	**2.2**	1.1	**2.28**	1.19	1.46	1.1	1.2	1.17	1.06	0.4	2
Cadmium	<0.00012	<0.00061	<0.00061	<0.00012	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----	80.8	48.7	----	----	----	----	----	-----	-----
Cobalt	0.00023	0.00085	0.003	0.0022	0.00020	0.0029	0.0018	0.0017	0.0014	0.0016	0.0019J	0.002J	0.008	0.04
Iron	<0.15	0.25	**0.58**	0.23	<0.037	0.0236	0.0131	<0.0129	<0.0129	<0.0129	<0.0155	0.0158J	0.15	0.3
Lead	0.00024	0.001	<0.00061	0.00072	0.00030	<0.0012	<0.0030	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	----	----	18.7	11.0	----	----	----	----	----	-----	-----
Manganese	0.008	**0.99**	**4**	**3.8**	0.160	**4.07**	**2.40**	**2.52**	**2.05**	**2.0**	**2.28**	**2.15**	0.060	0.300
Mercury	<0.000065	<0.000065	<0.000065	<0.000065	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	----	----	1.27	0.811	----	----	----	----	----	-----	-----
Sadium	----	----	----	----	----	9.48	5.96	----	----	----	----	----	-----	-----
Vanadium	0.00017	<0.00061	<0.00061	<0.00061	<0.00034	0.0051	<0.0020	0.0075	<0.0020	<0.0020	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L														
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----
Natural Attenuation Parameters, mg/L														
Chloride	8.2	----	27	----	15	29.5	19.3	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	----	----	2.3	2.7	----	----	----	----	----	125	250
Total Alkalinity	170	----	350	----	150	226	169	174	142	145	145	135	-----	-----
Total Organic Carbon	----	----	----	----	----	----	----	----	----	----	----	2.8	-----	-----
pH	7.31	6.93	6.8	7.77	8.26	7.44	7.53	7.53	7.81	6.86	7.61	7.23	-----	-----
Conductivity (mS/cm)	551	460	570	476	290	0.39	0.291	0.314	0.234	0.244	0.239	0.271	-----	-----
Temperature (C)	8.8	11.1	8.1	-11.1	11.3	10.7	10.07	10.00	10.24	10.76	9.69	10.32	-----	-----
ORP (mV)	+175	-50	+81	-161.8	71.3	-12.4	-27.0	-23.9	-15.8	90.6	3.4	-18.6	-----	-----
Dissolved Oxygen (mg/L)	4.0	4.0	2.0	0.5	3.0	0.3	0.57	0.33	0.11	0.06	0.72	0.14	-----	-----

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	4/14/2009	4/28/2010	4/18/2012	5/16/2013	4/29/2014	10/14/2015	4/26/2016	4/20/2017	4/24/2018	PAL	ES
1,2,4-Trimethylbenzene	6.4	<0.20	<0.22	----	<0.50	<0.50	<0.50	<0.50	<0.50	96	480
Acetone	----	----	----	3.0	<3.0	6.3	<3.0	<3.0	<3.0	1800	9000
sec-Butylbenzene	8.3	4.9	<0.19	----	<2.2	<2.2	3.7	4.5J	<2.2	-----	-----
tert-Butylbenzene	15	14	1.9	----	5.3	1.0	7.3	9.0J	7.9	-----	----
Chloroethane	<1.0	<1.0	<0.33	<0.44	<0.37	1.2	<0.37	<0.37	<0.37	80	400
cis-1,2-Dichloroethene	0.55	<0.50	<0.22	<0.42	0.27	0.41	0.4	<0.26	0.34J	7	70
Isopropylbenzene	3.7	<0.20	<0.21	----	0.14	<0.14	1.5	0.23J	0.33J	-----	-----
Metals, mg/L											
Arsenic	0.00091	0.001	0.00093	<0.0044	<0.0072	<0.0072	<0.0072	0.0056J	<0.0054	0.001	0.01
Barium	0.19	0.24	0.210	0.198	0.211	0.231	0.253	0.347	0.341	0.4	2
Cadmium	<0.00012	<0.00061	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	50.6	57.2	----	----	----	----	----	----
Cobalt	0.0011	0.0021	0.0017	0.0019	0.0022	0.0018	0.0027	0.0035J	0.0037J	0.008	0.04
Iron	0.21	**0.54**	0.150	0.188	0.200	0.166	0.213	**0.366**	0.294	0.15	0.3
Lead	<0.00012	0.0014	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	19.7	21.4	----	----	----	----	----	----
Manganese	**2.8**	**3.8**	**4.5**	**3.5**	**3.99**	**3.72**	**4.02**	**5.4**	**5.01**	0.060	0.300
Mercury	<0.000065	<0.000065	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	2.09	2.08	----	----	----	----	----	----
Sodium	----	----	----	11.9	6.82	----	----	----	----	----	----
Vanadium	0.00031	<0.00061	0.00044	0.0047	<0.0040	0.0114	<0.0020	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L											
Ethane	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L											
Chloride	14	7.5	23	11.6	14.0	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	5.4	2.5	----	----	----	----	125	250
Total Alkalinity	290	300	260	186	244	223	248	327	283	----	----
Total Organic Carbon	----	----	----	----	----	----	----	----	3.1	----	----
pH	7.13	6.9	7.67	6.99	7.05	7.13	7.34	6.91	6.61	----	----
Conductivity (mS/cm)	579	490	420	0.275	0.364	0.391	0.385	0.452	0.557	----	----
Temperature (C)	7.4	8.4	11.7	7.42	8.41	9.81	8.70	8.50	9.30	----	----
ORP (mV)	+110	+110	97.1	2.7	-23.7	-10.2	-8.5	12.7	-1.8	----	----
Dissolved Oxygen (mg/L)	2.0	2.5	4.0	0.3	0.65	0.22	0.22	0.70	0.37	----	----

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	PAL	ES
Vinyl chloride	**34**	<0.10	----	----	----	----	----	0.02	0.2
Metals, mg/L									
Arsenic	0.00260	----	0.0054	<0.0072	<0.0072	<0.0072	<0.0054	0.001	0.01
Barium	0.190	----	0.366	0.284	0.376	0.341	0.272	0.4	2
Cadmium	<0.00010	----	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	0.0005	0.005
Calcium	----	----	68.6	56.9	----	----	----	----	----
Cobalt	<0.00013	----	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	0.008	0.04
Iron	**0.450**	----	**2.36**	**1.86**	**2.18**	**2.16**	**1.7**	0.15	0.3
Lead	<0.00016	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	0.0015	0.015
Magnesium	----	----	17.2	14.4	----	----	----	----	----
Manganese	0.260	----	**0.777**	**0.631**	**0.810**	**0.766**	**0.634**	0.060	0.300
Mercury	<0.000070	----	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	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	0.006	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	---	---
Total Organic Carbon	2.8	----	----	----	----	----	----	---	---
pH	8.33	----	7.16	7.82	7.64	7.85	7.69	---	---
Conductivity (mS/cm)	290	----	0.316	0.321	0.399	0.347	0.315	---	---
Temperature (C)	13.7	----	10.49	10.09	10.05	10.85	9.89	---	---
ORP (mV)	37.3	----	-122.4	-182.5	-129.3	-152.7	-135.1	---	---
Dissolved Oxygen (mg/L)	5.5	----	0.28	0.75	0.54	0.11	0.91	---	---

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	4/14/2009	10/28/2009	4/28/2010	10/28/2010	4/18/2012	5/17/2013	4/28/2014	10/13/2015	4/26/2016	4/19/2017	4/23/2018	PAL	ES
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.22	1.7	<0.50	234	<0.50	<0.50	<0.50	96	480
sec-Butylbenzene	<0.25	<0.25	0.43	1.3	<0.19	----	<2.2	20.7	<2.2	<2.2	<2.2	----	----
tert-Butylbenzene	<0.20	<0.20	<0.20	0.34	<0.24	----	<0.18	2.6	0.57	<0.18	<0.18	----	----
Chloroethane	<1.0	<1.0	<1.0	<1.0	<0.33	<0.44	<0.37	<0.37	<0.37	0.38J	<0.37	80	400
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.22	<0.42	<0.26	0.33	<0.26	0.31J	<0.26	7	70
Isopropylbenzene	<0.20	<0.20	<0.20	<0.20	<0.21	----	<0.12	12.4	<0.14	<0.14	<0.14	----	----
Trichloroethene	0.26	<0.20	<0.20	<0.20	<0.18	<0.43	<0.33	<0.33	<0.33	<0.33	<0.33	0.5	5
n-Propylbenzene	----	----	----	----	----	----	----	4.2	<0.50	<0.50	<0.5	----	----
Metals, mg/L													
Arsenic	0.0018	0.0023	0.0023	0.0021	0.0014	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	0.001	0.01
Barium	0.51	0.56	0.720	0.730	0.320	0.933	0.512	1.00	0.736	0.711	0.586	0.4	2
Cadmium	<0.00012	<0.00061	<0.00061	<0.00012	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----	91.4	49.5	----	----	----	----	----	----
Cobalt	0.00032	<0.00061	0.00067	<0.00061	0.00013	0.0011	<0.00094	0.0010	0.0012	0.0016J	<0.0014	0.008	0.04
Iron	<0.15	0.29	**0.430**	0.230	<0.037	**0.488**	0.246	**0.454**	**0.367**	**0.334**	0.247	0.15	0.3
Lead	<0.00012	<0.00061	<0.00061	<0.00061	<0.00016	0.0014	<0.0030	<0.0030	<0.0030	<0.0043	0.0065J	0.0015	0.015
Magnesium	----	----	----	----	----	25.5	14.0	----	----	----	----	----	----
Manganese	**0.48**	**1.6**	**2.8**	**3**	0.0089	**4.59**	**2.48**	**4.96**	**3.86**	**3.67**	**2.8**	0.060	0.300
Mercury	<0.000065	<0.000065	<0.000065	<0.000065	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	----	----	1.88	1.23	----	----	----	----	----	----
Sodium	----	----	----	----	----	9.18	6.94	----	----	----	----	----	----
Vanadium	0.00016	<0.00061	<0.00061	<0.00061	<0.00034	0.0055	<0.0020	0.0139	<0.0020	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L													
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L													
Chloride	15	----	8.4	----	18	7.5	12.4	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	----	----	2.7	4.3	----	----	----	----	125	250
Total Alkalinity	280	----	270	----	250	309	192	339	263	236	152	----	----
Total Organic Carbon	----	----	----	----	----	----	----	----	----	----	2	----	----
pH	7.25	6.83	7.0	7.87	8.02	7.32	7.48	7.33	7.55	7.37	7.17	----	----
Conductivity (mS/cm)	557	390	110	443	410	0.44	0.313	0.540	0.389	0.363	0.360	----	----
Temperature (C)	8.2	11.2	10.0	-10.9	12.7	10.8	10.67	10.09	10.43	10.04	10.67	----	----
ORP (mV)	-30	-37	-40	-134.4	-57.8	-62.5	-107.4	-51.9	-60.2	-50.1	-48.4	----	----
Dissolved Oxygen (mg/L)	2.0	3.0	2.5	0.75	3.2	0.38	0.74	0.36	0.20	0.72	0.30	----	----

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	4/14/2009	Duplicate 4/14/09	4/28/2010	Duplicate 4/28/10	4/18/2012	5/17/2013	4/28/2014	10/13/2015	4/25/2016	4/19/2017	4/23/2018	4/23/18 DUP	PAL	ES
sec-Butylbenzene	----	----	<0.25	0.66	<0.19	----					<2.2	<2.2	----	----
tert-Butylbenzene	----	----	<0.20	0.24	<0.24	----	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	----	----
Metals, mg/L														
Arsenic	0.00036	----	<0.00061	----	0.00043	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	<0.0054	0.001	0.01
Barium	0.06	----	0.060	----	0.052	0.0271	0.0248	0.0374	0.0308	0.0259	0.0253	0.026	0.4	2
Cadmium	<0.00012	----	<0.00061	----	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----	40.9	47.6	----	----	----	----	----	----	----
Cobalt	0.00026	----	<0.00061	----	0.00033	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	<0.15	----	**0.330**	----	<0.037	<0.0140	<0.0129	0.0216	<0.0129	<0.0155	<0.0155	<0.0155	0.15	0.3
Lead	<0.00012	----	<0.00061	----	<0.00016	<0.0012	<0.0030	0.0031	0.0032	<0.0043	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	----	----	16.5	19.1	----	----	----	----	----	----	----
Manganese	**0.61**	----	**0.570**	----	**0.900**	**0.330**	**0.335**	**0.530**	**0.358**	0.245	0.279	0.294	0.060	0.300
Mercury	<0.000065	----	<0.000065	----	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	----	----	0.757	0.718	----	----	----	----	----	----	----
Sodium	----	----	----	----	----	9.66	8.49	----	----	----	----	----	----	----
Vanadium	0.00055	----	0.00064	----	0.00061	<0.0012	<0.0020	0.0032	<0.0020	<0.0022	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L														
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L														
Chloride	22	----	16	----	11	9.1	9.1	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	----	----	4.2	3.8	----	----	----	----	----	125	250
Total Alkalinity	240	----	220	----	200	156	215	236	219	213	176	177	----	----
Total Organic Carbon	----	----	----	----	----	----	----	----	----	----	1.3	1.4	----	----
pH	7.29	----	7.1	----	8.15	7.24	7.25	7.27	7.43	7.26	6.83	6.83	----	----
Conductivity (mS/cm)	493	----	410	----	350	0.223	0.309	0.385	0.321	0.322	0.360	0.360	----	----
Temperature (C)	7.5	----	8.6	----	13.6	8.85	8.23	12.18	9.07	8.78	9.02	9.02	----	----
ORP (mV)	+15	----	-3	----	-13.8	36	124.6	-23.0	39.9	41.0	78.3	78.3	----	----
Dissolved Oxygen (mg/L)	5	----	4.0	----	5.5	7.1	8.26	2.50	3.88	6.04	4.28	4.28	----	----

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	PAL	ES
Vinyl chloride	**0.66**	<0.10	----	----	----	----	----	----	0.02	0.2
Metals, mg/L										
Arsenic	0.0065	----	0.0061	<0.0072	<0.0072	<0.0072	0.0061J	0.0078J	0.001	0.01
Barium	0.050	----	0.193	0.174	0.162	0.157	0.161	0.172	0.4	2
Cadmium	<0.00010	----	0.00043	<0.00060	<0.00060	<0.00060	<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	0.008	0.04
Iron	<0.037	----	**2.84**	**2.56**	**2.12**	**2.35**	**2.3**	**2.53**	0.15	0.3
Lead	<0.00016	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	16.7	15.4	----	----	----	----	----	----
Manganese	0.0066	----	**1.02**	**0.911**	**0.879**	**0.866**	**0.881**	**0.914**	0.060	0.300
Mercury	<0.000070	----	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	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	0.006	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	---	---
Total Organic Carbon	----	----	----	----	----	----	----	2	---	---
pH	7.61	----	7.56	10.18	7.68	7.88	7.70	7.44	---	---
Conductivity (mS/cm)	290	----	0.34	0.382	0.342	0.322	0.337	0.411	---	---
Temperature (C)	14.3	----	10.75	10.42	10.19	10.51	10.1	10.69	---	---
ORP (mV)	51.6	----	-146.9	-596.0	-136.1	-152.5	-155.3	-152.3	---	---
Dissolved Oxygen (mg/L)	7.0	----	0.35	0.63	0.44	0.37	0.73	0.18	---	---

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	PAL	ES
Metals, mg/L									
Arsenic	0.00055	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054	<0.0054	0.001	0.01
Barium	0.015	0.0624	0.0343	0.0442	0.0554	0.0588	0.0807	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<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	0.008	0.04
Iron	<0.037	<0.0140	<0.0129	<0.0129	<0.0129	<0.0155	<0.0155	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	0.0044J	0.0015	0.015
Magnesium	----	24.6	15.4	----	----	----	----	----	----
Manganese	0.0016	**1.94**	**1.19**	**1.36**	**1.68**	**1.44**	**1.79**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	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	0.006	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	----	----
Total Organic Carbon	----	----	----	----	----	----	2.2	----	----
pH	7.66	7.42	8.86	7.63	7.74	7.53	7.30	----	----
Conductivity (mS/cm)	270	0.333	0.258	0.285	0.334	0.319	0.431	----	----
Temperature (C)	13.2	10.89	10.72	10.4	10.74	10.26	10.86	----	----
ORP (mV)	24.7	10.5	-444.4	-46.3	10.2	33.5	23.4	----	----
Dissolved Oxygen (mg/L)	5.0	0.4	0.56	0.51	0.24	0.83	0.19	----	----

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	PAL	ES
Vinyl chloride	**0.31**	<0.10	----	----	----	----	----	----	0.02	0.2
Metals, mg/L										
Arsenic	0.00087	----	<0.0044	0.0078	<0.0072	<0.0072	0.0068J	0.0056J	0.001	0.01
Barium	0.078	----	0.223	0.170	0.181	0.182	0.204	0.226	0.4	2
Cadmium	<0.00010	----	<0.00038	<0.00060	<0.00060	<0.00060	<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	0.008	0.04
Iron	<0.037	----	**4.14**	**3.03**	**2.89**	**3.3**	**3.25**	**3.61**	0.15	0.3
Lead	<0.00016	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	0.0045J	0.0015	0.015
Magnesium	----	----	16.8	13.0	----	----	----	----	---	---
Manganese	0.0023	----	**1.48**	**1.11**	**1.16**	**1.18**	**1.22**	**1.26**	0.060	0.300
Mercury	<0.000070	----	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	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	0.006	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	---	---
Total Organic Carbon	----	---	----	----	----	----	----	0.87	---	---
pH	7.39	----	7.53	9.77	7.61	7.83	7.60	7.42	---	---
Conductivity (mS/cm)	330	----	0.356	0.342	0.333	0.317	0.358	0.446	---	---
Temperature (C)	12.6	----	10.6	10.25	10.23	10.35	9.87	10.64	---	---
ORP (mV)	17.7	----	-141.8	-545.2	-129.4	-149.2	-148.9	-153.9	---	---
Dissolved Oxygen (mg/L)	4.5	----	0.42	0.78	0.73	0.30	0.76	0.23	---	---

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	PAL	ES
Metals, mg/L						
Arsenic	<0.0072	<0.0072	<0.0054	<0.0054	0.001	0.01
Barium	0.0206	0.0199	0.0169	0.0186	0.4	2
Cadmium	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Cobalt	<0.00094	<0.00094	<0.0014	<0.0014	0.008	0.04
Iron	<0.0129	<0.0129	<0.0155	<0.0155	0.15	0.3
Lead	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Manganese	<0.0014	<0.0014	<0.0011	<0.0011	0.060	0.300
Mercury	<0.00010	<0.00018	<0.00013	<0.00013	0.0002	0.002
Vanadium	<0.0020	<0.0020	<0.0022	<0.0022	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	---	---
Total Organic Carbon	---	---	---	0.64J	---	---
pH	7.32	7.54	7.24	7.10	---	---
Conductivity (mS/cm)	0.351	0.358	0.303	0.381	---	---
Temperature (C)	11.81	9.21	8.89	9.24	---	---
ORP (mV)	-8.9	30.4	48.4	70.5	---	---
Dissolved Oxygen (mg/L)	5.64	4.32	6.29	6.01	---	---

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	4/15/2009	4/28/2010	4/19/2012	5/17/2013	4/28/2014	10/15/2015	4/27/2016	4/21/2017	4/25/2018	4/25/18 DUP	PAL	ES
1,2,4-Trimethylbenzene	0.81	1.9	1.3	3.3	1.8	5.3	6.5	7.1	4.1	3.7	96	480
1,3,5-Trimethylbenzene	0.21	0.49	<0.23	----	0.52	1.3	1.3	1.2	0.95J	0.82J	96	480
Acetone	---	---	---	3.2	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	1800	9000
n-Butylbenzene	1.0	1.8	<0.21	----	1.5	3.5	<0.50	<0.50	2.6	<0.50	----	----
sec-Butylbenzene	0.46	1.1	0.60	----	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	----	----
tert-Butylbenzene	----	----	----	----	<0.18	0.21	0.21	0.19J	<0.18	<0.18	----	----
Ethylbenzene	<0.50	0.52	0.25	0.65	<0.50	1.1	1.2	0.76J	0.67J	0.56J	140	700
Isopropylbenzene	0.46	1.1	0.58	----	0.72	1.9	2.2	1.9	1.3	1.3	----	----
p-Isopropyltoluene	----	0.57	<0.24	----	<0.13	0.58	<0.50	3.1	<0.5	<0.5	----	----
Naphthalene	3.1	11	8.9	16.3	10.7	31.2	31.1	31.2	21.6	19.7	10	100
n-Propylbenzene	----	1.3	0.69	----	1.2	2.9	3.0	2.6	1.9	1.8	----	----
Xylenes (total)	<0.50	1.6	0.85	1.7	<1.5	3.1	3.5	3.1	2.1J	1.9J	400	2,000
Metals, mg/L												
Arsenic	0.00046	0.001	0.00041	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	<0.0054	<0.0054	0.001	0.01
Barium	0.097	0.13	0.080	0.117	0.110	0.161	0.0989	0.100	0.088	0.0881	0.4	2
Cadmium	<0.00012	<0.00061	<0.00010	0.00044	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	45.6	32.3	----	----	----	----	----	----	----
Cobalt	0.00067	0.00086	0.00067	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	0.0014J	0.008	0.04
Iron	**4.1**	**17**	**2.3**	**7.27**	**9.85**	**12.1**	**7.4**	**6.73**	**5.13**	**5.20**	0.15	0.3
Lead	<0.00012	<0.00061	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	15.2	12.6	----	----	----	----	----	----	----
Manganese	**0.95**	**1.8**	**0.800**	**1.26**	**1.77**	**2.09**	**1.16**	**1.000**	**0.852**	**0.886**	0.060	0.300
Mercury	<0.000065	<0.000065	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	4.9	4.48	----	----	----	----	----	----	----
Sodium	----	----	----	6.34	5.87	----	----	----	----	----	----	----
Vanadium	0.00037	<0.00061	<0.00034	0.0022	<0.0020	0.0066	<0.0020	<0.0022	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L												
Ethane	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	-----	----	----	----	----	----	----	----	----
Methane	----	----	----	-----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L												
Chloride	5.1	5.3	7.6	5.2	4.8	----	----	----	----	----	125	250
Nitrate as N	---	----	----	----	----	----	----	----	----	----	2	10
Sulfate	---	----	----	6.8	5.0	----	----	----	----	----	125	250
Total Alkalinity	150	220	160	149	145	233	176	169	156	162	----	----
Total Organic Carbon	---			----	----	----	----	----	3	3	----	----
pH	7.19	7.2	8.09	6.36	7.05	6..68	7.22	6.85	6.48	6.48	----	----
Conductivity (mS/cm)	239	380	280	0.237	0.234	0.386	0.254	0.266	0.288	0.288	----	----
Temperature (C)	5.7	9.8	9.1	7.61	7.45	10.85	8.02	7.78	7.71	7.71	----	----
ORP (mV)	-19	-73	-93.6	-12.3	-60.4	-46.9	-61.7	-55.4	-48.0	-48.0	----	----
Dissolved Oxygen (mg/L)	3.0	2.0	2.0	3.4	11.09	0.55	0.43	0.87	1.30	(<0.0054)	----	----

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	4/14/2009	4/28/2010	4/18/2012	Duplicate 4/18/2012	5/15/2013	4/29/2014	10/13/2015	4/26/2016	4/20/2017
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.22	<0.22	2.6	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene	<0.25	0.51	<0.19	<0.19	----	<2.2	<2.2	<2.2	<2.2
tert-Butylbenzene	<0.20	0.40	<0.24	<0.24	----	<0.18	<0.18	<0.18	<0.18
Vinyl chloride		<0.20	**0.32**	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18
Metals, mg/L									
Arsenic	0.00028	0.0019	0.00026	----	<0.0044	<0.0072	<0.0072	<0.0072	<0.0054
Barium	0.35	0.410	0.320	----	0.720	0.301	0.388	0.376	0.526
Cadmium	<0.00012	<0.00061	<0.00010	----	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013
Calcium	----	----	----	----	78	30.3	----	----	----
Cobalt	0.00056	0.00077	0.00055	----	0.0012	<0.00094	<0.00094	<0.00094	<0.0014
Iron	<0.15	**1**	0.210	----	**0.494**	**0.355**	**0.424**	**0.336**	**0.38**
Lead	0.00081	0.0016	0.0023	----	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043
Magnesium	----	----	----	----	20.1	7.89	----	----	----
Manganese	**2.1**	**2.4**	**1.7**	----	**4.04**	**1.60**	**1.81**	**1.67**	**2.04**
Mercury	<0.000065	<0.000065	<0.000070	----	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013
Potassium	----	----	----	----	1.54	0.712	----	----	----
Sodium	----	----	----	----	6.21	2.69	----	----	----
Vanadium	<0.00012	<0.00061	<0.00034	----	0.0051	<0.0020	0.0057	<0.0020	<0.0022
Dissolved Gases, ug/L									
Ethane	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L									
Chloride	4.4	4.9	7.4	----	12.6	9.7	----	----	----
Nitrate as N	---	---	---	----	----	----	----	----	----
Sulfate	---	---	---	----	3.9	5.6	----	----	----
Total Alkalinity	140	160	100	----	243	108	124	110	146
Total Organic Carbon	---	---	---	----	----	----	----	----	----
pH	7.59	7.4	7.46	----	7.35	7.67	7.57	7.85	7.64
Conductivity (mS/cm)	410	300	180	----	0.374	0.189	0.220	0.209	0.264
Temperature (C)	8.2	9.5	12.0	----	10.85	10.22	10.01	10.37	9.83
ORP (mV)	+259	+179	125.1	----	-69.1	-134.8	-90.3	-103.7	-98.2
Dissolved Oxygen (mg/L)	2	3.0	4.2	----	0.55	0.76	0.41	0.13	0.64

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	4/23/2018	PAL	ES
1,2,4-Trimethylbenzene	----	96	480
sec-Butylbenzene	----	----	----
tert-Butylbenzene	----	----	----
Vinyl chloride	----	0.02	0.2
Metals, mg/L			
Arsenic	<0.0054	0.001	0.01
Barium	0.595	0.4	2
Cadmium	<0.0013	0.0005	0.005
Calcium	----	----	----
Cobalt	<0.0014	0.008	0.04
Iron	0.299	0.15	0.3
Lead	<0.0043	0.0015	0.015
Magnesium	----	----	----
Manganese	**2.27**	0.060	0.300
Mercury	<0.00013	0.0002	0.002
Potassium	----	----	----
Sodium	----	----	----
Vanadium	<0.0022	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	148	----	----
Total Organic Carbon	2.5	----	----
pH	7.30	----	----
Conductivity (mS/cm)	0.345	----	----
Temperature (C)	10.85	----	----
ORP (mV)	-77.5	----	----
Dissolved Oxygen (mg/L)	0.27	----	----

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	10/8/2008	4/14/2009	10/28/2009	Duplicate 10/28/09	4/28/2010	10/28/2010	Duplicate 10/28/2010	4/19/2012	5/17/2013	4/28/2014	10/13/2015
1,4-Dichlorobenzene	0.52	<0.50	<0.50	<0.50	<0.50	0.53	0.50	<0.24	<0.43	<0.50	0.58
1,2,4-Trimethylbenzene	180	3.4	190	160	8.9	25	25	<0.22	2.9	2.3	<0.50
1,3,5-Trimethylbenzene	4.9	0.78	36	35	<0.20	4.1	4.3	<0.23	<2.5	<0.50	<0.50
Benzene	1.4	0.34	0.86	0.86	1.1	1.6	1.6	<0.12	0.85	0.65	1.2
n-Butylbenzene	3.0	<0.20	3.6	<0.20	<0.20	3.2	3.4	<0.21	-----	<0.22	1.1
sec-Butylbenzene	8.2	0.41	15	15	1.3	7.5	7.7	<0.19	------	<2.2	5
tert-Butylbenzene	<0.20	0.24	12	11	2.1	4.9	5.0	<0.24	-----	0.99	4.5
Chlorobenzene	3.0	1.9	1.6	1.6	1.8	2.4	2.4	<0.24	2.4	2.9	3.8
Chloroethane	1.3	<1.0	<1.0	<1.0	1.8	2.4	2.2	<0.33	<0.44	1.1	0.77
cis-1,2-Dichloroethene					<0.50	<0.50	<0.50	<0.22	<0.42	<0.26	0.29
Ethylbenzene	<0.50	<0.50	1.2	1.1	<0.50	<0.50	<0.50	<0.14	<0.50	<0.50	<0.50
Isopropylbenzene	21	<0.20	24	24	7.7	19	19	<0.21	----	1.6	16.2
Naphthalene	12	<0.25	3.3	6.9	0.30	9.8	9.5	<0.24	<2.5	<2.5	<2.5
n-Propylbenzene	----	----	58	57	5.0	20	21	<0.19	-----	<0.50	7.0
p-Isopropyltoluene	----	----	12	12	<0.20	0.76	0.78	<0.24	------	<0.13	<0.50
Xylenes (total)	3.4	<0.50	5.1	5.0	<0.50	2.5	2.6	<0.30	<1.3	<1.5	<1.5
Metals, mg/L											
Arsenic	**0.024**	**0.027**	**0.027**	----	**0.029**	**0.026**	----	0.0042	**0.0288**	**0.0261**	**0.0247**
Barium	1.2	0.79	1.5	----	1.4	1.3	----	0.470	1.35	1.24	1.44
Cadmium	<0.00012	<0.00012	<0.00061	----	<0.00061	<0.00012	----	<0.00010	0.00044	<0.00060	<0.00060
Calcium	----	----	----	----	----	----	----	----	61	55.0	----
Cobalt	0.0026	0.0014	0.0023	----	0.0023	0.0027	----	0.0032	0.0015	0.0021	0.0023
Iron	**21**	**17**	**29**	----	**25**	**20**	----	**1.8**	**23.4**	**20.3**	**21.1**
Lead	<0.00012	<0.00012	0.0012	----	<0.00061	<0.00061	----	<0.00016	<0.0012	<0.0030	<0.0030
Magnesium	----	----	----	----	----	----	----	----	17.4	14.1	----
Manganese	**1.2**	**0.70**	**1.20**	----	**1.4**	**1.4**	----	0.220	**1.38**	**1.22**	**1.35**
Mercury	<0.000065	<0.000065	<0.000065	----	<0.000065	<0.000065	----	<0.000070	<0.00010	<0.00010	<0.00010
Potassium	----	----	----	----	----	----	----	----	4.64	4.07	----
Sodium	----	----	----	----	----	----	----	----	19.7	17.3	----
Vanadium	0.00058	0.00078	<0.00061	----	<0.00061	0.00064	----	<0.00034	0.0021	<0.0020	0.0049
Natural Attenuation Parameters, mg/L											
Chloride	---	20	----	----	27	----	----	22	28.1	35.7	----
Nitrate as N	---	---	----	----	----	----	----	----	-----	----	----
Sulfate	---	---	----	----	----	----	----	----	2.2	2.2	----
Total Alkalinity	---	150	----	----	250	----	----	140	192	206	268
Total Organic Carbon	---	---	----	----	----	----	----	----	----	----	----
pH	7.10	7.21	----	----	6.7	7.5	----	8.04	7.18	7.37	7.13
Conductivity (mS/cm)	275	341	330	----	540	562	----	270	0.404	0.439	0.523
Temperature (C)	9.2	6.7	11.1	----	9.3	-10.94	----	9.2	11.2	10.79	10.19
ORP (mV)	+39	+17	----	----	+75	-256.2	----	54.8	-160	-184.8	-122.8
Dissolved Oxygen (mg/L)	1.0	3.0	3.0	----	2.0	0.0	----	310	1	0.85	0.56

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	4/25/2016	10/3/2016	4/19/2017	4/25/2018	PAL	ES
1,4-Dichlorobenzene	<0.50	----	<0.50	<0.5	15	75
1,2,4-Trimethylbenzene	1.5	----	<0.50	<0.50	96	480
1,3,5-Trimethylbenzene	<0.50	----	<0.50	<0.50	96	480
Benzene	0.80	----	<0.50	<0.5	0.5	5
n-Butylbenzene	<0.50	----	<0.50	11.9	-----	-----
sec-Butylbenzene	<2.2	----	<2.2	22.7	-----	-----
tert-Butylbenzene	1.7	----	<0.18	16.7	-----	-----
Chlorobenzene	2.7	----	1.1	<0.5	-----	-----
Chloroethane	<0.37	----	<0.37	<0.37	80	400
cis-1,2-Dichloroethene	<0.26	----	<0.	<0.26	7	70
Ethylbenzene	<0.50	----	<0.17	<0.50	140	700
Isopropylbenzene	7.5	----	<0.14	52.8	-----	-----
Naphthalene	<2.5	----	<2.5	43	10	100
n-Propylbenzene	4.5	----	<0.50	110	-----	-----
p-Isopropyltoluene	<0.50	----	<0.50	1.1	-----	-----
Xylenes (total)	<1.5	----	<1.5	<1.5	400	2,000
Metals, mg/L						
Arsenic	**0.0253**	**0.0284**	**0.0308**	**0.0342**	0.001	0.01
Barium	1.37	1.17	1.03	1.95	0.4	2
Cadmium	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	----	----
Cobalt	0.0022	0.0014	<0.0014	0.0037J	0.008	0.04
Iron	**21.5**	**18.2**	**15.1**	**32.8**	0.15	0.3
Lead	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	----	----	----
Manganese	**1.4**	**1.06**	**0.963**	**1.92**	0.060	0.300
Mercury	<0.00018	<0.00013	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	----	----	----
Sodium	----	----	----	----	----	----
Vanadium	<0.0020	<0.0020	<0.0022	<0.0022	0.006	0.03
Natural Attenuation Parameters, mg/L						
Chloride	----	----	----	----	125	250
Nitrate as N	----	----	----	----	2	10
Sulfate	----	----	----	----	125	250
Total Alkalinity	237	188	179	302	----	----
Total Organic Carbon	----	----	----	6	----	----
pH	7.38	7.12	7.35	6.95	----	----
Conductivity (mS/cm)	0.491	0.399	0.357	0.620	----	----
Temperature (C)	11.4	11.26	11.04	11.48	----	----
ORP (mV)	-156.4	-148.5	-168.2	-143.1	----	----
Dissolved Oxygen (mg/L)	0.16	0.04	0.77	0.14	----	----

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	10/8/2008	4/14/2009	10/28/2009	4/28/2010	10/28/2010	10/27/2011	4/19/2012	Duplicate 4/19/2012	5/17/2013	4/28/2014
1,2,4-Trimethylbenzene	370	100	190	140	71	64	4.5	2.9	<1.1	<0.50
1,3,5-Trimethylbenzene	77	20	110	<0.40	33	<0.20	<0.23	<0.23	<5.0	<0.50
n-Butylbenzene	4.5	5.7	17	5.3	12	9.2	2.2	<0.21	----	2.0
sec-Butylbenzene	15	8.7	37	15	26	19	5.5	4.2	----	5.1
tert-Butylbenzene	<0.20	5.9	30	13	23	16	3.7	2.8	----	3.4
Benzene	0.27	<0.40	<0.20	<0.40	<0.40	<0.20	<0.12	<0.12	<1.0	<0.50
Ethylbenzene	8.9	4.1	4.4	17	8.9	1.4	0.51	0.25	1.6	<0.50
Isopropylbenzene	21	18	64	43	60	41	8.4	6.3	----	12.1
p-Isopropyltoluene	16	2.1	34	8.8	12	12	0.69	<0.24	-----	1.3
Naphthalene	19	15	33	38	60	16	8.6	6.3	11.2	8.7
n-Propylbenzene	35	32	140	74	110	87	17	13	----	22.8
Xylenes (total)	36	7.8	7.9	22	14	<0.50	0.43	<0.30	<2.6	<1.5
Metals, mg/L										
Arsenic	**0.011**	0.0029	**0.015**	0.0073	**0.011**	**0.011**	0.0028	----	0.0068	<0.0072
Barium	0.37	0.22	0.22	0.270	0.190	0.200	0.2200	----	0.168	0.104
Cadmium	<0.00012	<0.00012	<0.00061	<0.00061	0.00013	<0.0012	<0.00010	----	<0.00038	<0.00060
Calcium	----	----	----	----	----	----	----	----	92.2	56.4
Cobalt	0.00093	0.0017	0.0015	0.0014	0.0021	0.00095	0.0018	----	0.0018	0.0024
Iron	**27**	**6.8**	**21**	**25**	**19**	**14**	**5.7**	----	**7.14**	**2.47**
Lead	0.00012	<0.00012	<0.00061	<0.00061	<0.00061	<0.00013	<0.00016	----	<0.0012	<0.0030
Magnesium	----	----	----	----	----	----	----	----	33.5	21.1
Manganese	**5.0**	**2.9**	**2.8**	**3.4**	**4.2**	**2.7**	**1.8**	----	**1.32**	**0.684**
Mercury	<0.000065	<0.000065	<0.000065	<0.000065	<0.000065	<0.000070	<0.000070	----	<0.00010	<0.00010
Potassium	----	----	----	----	----	----	----	----	3.17	2.02
Sodium	----	----	----	----	----	----	----	----	16.7	12.8
Vanadium	0.0014	0.00028	0.00073	0.00066	0.00072	<0.00066	<0.00034	----	0.0019	<0.0020
Natural Attenuation Parameters, mg/L										
Chloride	----	13	----	9.6	----	----	9.4	----	6.9	5.9
Nitrate as N	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	----	----	----	----	----	----	8.6	5.1
Total Alkalinity	----	360	----	380	----	----	390	----	336	259
Total Organic Carbon	----	----	----	----	----	----	----	----	----	----
pH	6.71	6.71	6.68	6.8	6.88	7.58	7.43	----	6.32	6.86
Conductivity (mS/cm)	635	603	660	730	324	400	570	----	0.462	0.364
Temperature (C)	9.1	7.3	12.2	8.8	-9.17	11.8	8.8	----	7.59	7.62
ORP (mV)	+220	+300	-41	+133	-213.6	-197	151.7	----	3.7	-19.9
Dissolved Oxygen (mg/L)	2.0	4.0	4.0	4.0	0.5	1.0	5.0	----	1.4	6.32

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	10/13/2015	4/25/2016	4/19/2017	Duplicate 4/19/2017	4/25/2018	PAL	ES
1,2,4-Trimethylbenzene	<0.50	1.0	<0.50	<0.50	<0.50	96	480
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	96	480
n-Butylbenzene	16.1	1.6	0.65J	0.63J	<0.5	-----	-----
sec-Butylbenzene	38.6	11	<2.2	<2.2	<2.2	-----	-----
tert-Butylbenzene	25.9	7.7	1.1	1.1	<0.18	-----	-----
Benzene	<0.50	<0.50	<0.50	<0.50	<0.5	0.5	5
Ethylbenzene	0.63	<0.50	<0.50	<0.50	<0.50	140	700
Isopropylbenzene	42.6	18.9	3.6	3.5	<0.14	-----	-----
p-Isopropyltoluene	5.6	1.8	<0.50	<0.50	<0.5	-----	-----
Naphthalene	29.2	9.4	<2.5	<2.5	<2.5	10	100
n-Propylbenzene	94.7	35.8	7.1	7.1	<0.5	-----	-----
Xylenes (total)	<1.5	<1.5	<1.5	<1.5	<1.5	400	2,000
Metals, mg/L							
Arsenic	0.0080	<0.0072	<0.0054		**0.0107J**	0.001	0.01
Barium	0.231	0.179	0.131		0.184	0.4	2
Cadmium	<0.00060	<0.00060	<0.0013		<0.0013	0.0005	0.005
Calcium	----	----	----		----	----	----
Cobalt	<0.00094	0.0025	<0.0014		0.0016J	0.008	0.04
Iron	**25.6**	**5.57**	**0.305**		**19.3**	0.15	0.3
Lead	<0.0030	<0.0030	<0.0043		<0.0043	0.0015	0.015
Magnesium	----	----			----	----	----
Manganese	**3.36**	**1.33**	0.224		**1.69**	0.060	0.300
Mercury	<0.00010	<0.00018	<0.00013		<0.00013	0.0002	0.002
Potassium	----	----	----		----	----	----
Sodium	----	----	----		----	----	----
Vanadium	0.0116	<0.0020	<0.0022		<0.0022	0.006	0.03
Natural Attenuation Parameters, mg/L							
Chloride	----	----	----		----	125	250
Nitrate as N	----	----	----		----	2	10
Sulfate	----	----	----		----	125	250
Total Alkalinity	379	431	396		300	----	----
Total Organic Carbon	----	----	----		3.6	----	----
pH	6.61	6.90	6.71		6.29	----	----
Conductivity (mS/cm)	0.654	0.562	0.507		0.519	----	----
Temperature (C)	12.64	8.65	8.07		7.66	----	----
ORP (mV)	-67.2	-41.9	6.0		-39.0	----	----
Dissolved Oxygen (mg/L)	0.42	0.71	1.11		0.79	----	----

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	4/14/2009	4/28/2010	Duplicate 4/28/2010	4/19/2012	5/15/2013	4/28/2014	10/13/2015	4/25/2016	4/18/2017	4/25/2018	PAL	ES
1,2,4-Trimethylbenzene	<0.20	22	23	<0.22	<0.57	<0.50	----	----	<0.50	----	96	480
sec-Butylbenzene	<0.25	4.3	4.1	<0.19	----	<2.2	----	----	<2.2	----	-----	-----
tert-Butylbenzene	<0.20	5.5	5.3	<0.24	----	4.3	----	----	<0.18	----	-----	-----
Isopropylbenzene	<0.20	9.7	10	<0.21	----	5.5	----	----	<0.14	----	-----	-----
n-Propylbenzene	----	0.71	0.74	<0.19	----	<0.50	----	----	<0.50	----	-----	-----
Metals, mg/L												
Arsenic	0.0014	0.0013	----	0.0033	**0.0143**	**0.0147**	**0.0104**	**0.0117**	**0.0131J**	**.0143J**	0.001	0.01
Barium	0.35	1.1	----	0.35	0.694	0.905	0.608	0.637	0.634	0.779	0.4	2
Cadmium	<0.00012	<0.00061	----	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	49.1	55.8	----	----	----	----	----	----
Cobalt	0.00019	0.00072	----	<0.00013	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	0.008	0.04
Iron	<0.15	**5.3**	----	0.11	**5.58**	**6.68**	**5.48**	**4.46**	**4.92**	**6.46**	0.15	0.3
Lead	<0.00012	<0.00061	----	0.00022	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	----	21.8	24.6	----	----	----	----	----	----
Manganese	0.016	**2.9**	----	0.22	**1.39**	**1.97**	**1.06**	**1.14**	**0.993**	**1.110**	0.060	0.300
Mercury	<0.00065	<0.000065	----	<0.000070	<0.0001	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	----	2.1	2.25	----	----	----	----	----	----
Sodium	----	----	----	----	4.44	4.63	----	----	----	----	----	----
Vanadium	0.00017	0.00089	----	0.00055	0.0013	<0.0020	0.0023	<0.0020	<0.0022	<0.0022	0.006	0.03
Natural Attenuation Parameters, mg/L												
Chloride	7.1	5.3	----	12	9.2	6.5	----	----	----	----	125	250
Nitrate as N	----	----	----	----	---	----	----	----	----	----	2	10
Sulfate	----	----	----	----	2.2	2.2	----	----	----	----		250
Total Alkalinity	200	320	----	150	187	261	200	184	184	211	----	----
Total Organic Carbon	----	----	----	----	-----	----	----	----	----	2.2	----	----
pH	7.03	6.9	----	8.10	7.31	7.71	7.63	7.88	7.73	7.41	----	----
Conductivity (mS/cm)	350	620	----	250	0.296	0.390	0.326	0.290	0.304	0.407	----	----
Temperature (C)	7.4	10.7	----	9.1	10.76	10.35	9.61	10.66	10.16	10.48	----	----
ORP (mV)	-30	-41	----	25.6	-182.2	-193.7	-166.8	-183.5	-194.7	-172.8	----	----
Dissolved Oxygen (mg/L)	3.0	3.0	----	3.0	0.48	1.78	0.63	0.20	0.93	0.10	----	----

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	10/8/2008	4/14/2009	10/28/2009	4/28/2010	10/28/2010	10/27/2011	4/19/2012	5/15/2013	10/29/2013	4/28/2014	10/28/2014	Duplicate 10/28/2014
1,2,4-Trimethylbenzene	**750**	190	**570**	400	**1,600**	**640**	390	261	**1780**	215	378	318
1,3,5-Trimethylbenzene	**65**	14	**23**	<2.0	**44**	**<0.20**	<0.23	<2.5	**<5.0**	<0.50	<1.2	<2.0
n-Butylbenzene	12	4.9	<0.80	3.7	10	5.3	<0.21	----	8.5	2.5	5.8	4.8
sec-Butylbenzene	41	17	10	23	28	21	13	----	24.2	15.5	21.2	18.6
tert-Butylbenzene	20	4.7	<0.80	5.4	11	8.9	<0.24	----	12.3	5.0	7.8	6.9
Isopropylbenzene	27	6.8	9.4	11	16	12	5.8	----	25.2	6.1	10.2	9.0
p-Isopropyltoluene	24	6.8	7.3	7.1	23	17	3.0	----	24.4	3.8	10.6	9.2
Naphthalene	14	2.2	6.4	2.9	11	4.1	2.6	<2.5	<25.0	<2.5	<6.2	<10.0
n-Propylbenzene	52	13	18	23	36	25	9.2	----	48.4	9.2	17.8	15.9
Xylenes (total)	5.2	<1.0	2.2	<5.0	<4.0	1.1	<0.30	<1.3	<13.2	<1.5	<3.8	<6.0
Metals, mg/L												
Arsenic	**0.032**	0.0032	**0.012**	**0.010**	**0.014**	**0.017**	0.0082	**0.0105**	**0.0203**	0.0087	**0.0111**	----
Barium	0.33	0.15	0.21	0.27	0.34	0.24	0.170	0.178	0.318	0.149	0.166	----
Cadmium	<0.00012	<0.00012	<0.00061	<0.00061	<0.00012	<0.00012	<0.00010	<0.00038	<0.00038	<0.00060	<0.00060	----
Calcuim	----	----	----	----	----	----	----	69.2	----	58.2	----	----
Cobalt	0.00089	0.0079	<0.00061	0.001	<0.00061	0.00039	0.00049	<0.00085	<0.00085	<0.00094	<0.00094	----
Iron	**49**	**4.9**	**19**	**34**	**33**	**22**	**14**	**14.4**	**31.6**	**12.0**	**12.9**	----
Lead	<0.00012	<0.00012	<0.00061	<0.00061	<0.00061	<0.00013	<0.00016	0.0015	0.0025	<0.0030	<0.0030	----
Magnesium	----	----	----	----	----	----	----	29.5	----	25.0	----	----
Manganese	**3.3**	**1.4**	**1.5**	**2.9**	**3.6**	**2.5**	**2.1**	**1.42**	**2.91**	**1.25**	**1.78**	----
Mercury	<0.000065	<0.000065	<0.000065	<0.000065	<0.000065	<0.000070	<0.000070	<0.00010	<0.00010	<0.00010	<0.00010	----
Potassium	----	----	----	----	----	----	----	1.92	----	1.35	----	----
Sodium	----	----	----	----	----	----	----	2.65	----	2.71	----	----
Vanadium	<0.00012	0.00025	<0.00061	<0.00061	<0.00061	<0.00066	<0.00034	0.0015	0.0014	<0.0020	<0.0020	----
Natural Attenuation Parameters, mg/L												
Chloride	----	3.5	----	2.7	----	----	3.5	4.6	----	2.6	----	----
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----
Sulfate	----	----	----	----	----	----	----	4.5	----	3.9	----	----
Total Alkalinity	----	260	----	260	----	----	220	248	----	251	----	----
Total Organic Carbon	----	----	----	----	----	----	----	---	----	----	----	----
pH	6.61	6.59	6.72	7.0	7.33	7.59	7.93	6.67	6.86	7.00	6.65	----
Conductivity (mS/cm)	600	524	440	460	590	625	410	0.366	0.458	0.376	0.357	----
Temperature (C)	9.7	6.3	11.0	8.8	-9.39	10.2	8.5	7.68	12.6	7.09	12.25	----
ORP (mV)	-47	-29	-55	-10	-220.2	-188	-18.6	-50.9	-102.4	-85.7	-50.4	----
Dissolved Oxygen (mg/L)	2.5	4.0	3.0	4.0	0.0	0.5	4.5	4.1	0.67	4.99	1.22	----

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	10/13/2015	4/25/2016	10/3/2016	4/18/2017	1/9/2018	4/25/2018	10/24/2018	PAL	ES
1,2,4-Trimethylbenzene	448	**943**	**897**	433	**1090**	436	**1350**	96	480
1,3,5-Trimethylbenzene	<1.2	**<5.0**	**<5.0**	<5.0	**<5.0**	<5.0	**<8.7**	96	480
n-Butylbenzene	6.4	<5.0	7.7	<5.0	9.7J	6.7J	7.3J	-----	-----
sec-Butylbenzene	22.7	22.5	<21.9	<21.9	30.2J	<21.9	13.1J	-----	-----
tert-Butylbenzene	11.3	7.8	5.2	3.2J	11.2	9.3J	10.3	-----	-----
Isopropylbenzene	8.7	11.5	8.5	5.2J	13.4	9.8J	11.4J	-----	-----
p-Isopropyltoluene	11.4	15.6	10.2	7.4J	23.4	8.3J	21.1J	-----	-----
Naphthalene	<6.2	<25	<25	<25	<25.0	<25.0	<11.8	10	100
n-Propylbenzene	18.6	29.5	23.3	11.3	31.1	19.7J	25.5J	-----	-----
Xylenes (total)	<3.8	<15	<15	<15	<15.0	<15.0	<15.0	400	2,000
Metals, mg/L									
Arsenic	**0.0111**	**0.0108**	**0.0173**	**0.0109J**	**0.0183**	**.0104J**	<0.0054	0.001	0.01
Barium	0.204	0.173	0.177	0.172	0.22	0.187	0.188	0.4	2
Cadmium	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcuim	----	----	----	----	----	----	----	----	----
Cobalt	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	**15.3**	**13.6**	**11.3**	**12.4**	**16.3**	**13.4**	**11.1**	0.15	0.3
Lead	<0.0030	0.0033	<0.0030	<0.0043	<0.0043	<0.0043	<0.0064	0.0015	0.015
Magnesium	----	----	----	----	----	----	----	----	----
Manganese	**2.28**	**2.06**	**1.88**	**1.96**	**1.96**	**1.54**	**1.30**	0.060	0.300
Mercury	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	<0.00013	<0.000084	0.0002	0.002
Potassium	----	----	----	----	----	----	----	----	----
Sodium	----	----	----	----	----	----	----	----	----
Vanadium	0.0076	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	<0.0022	0.006	0.03
Natural Attenuation Parameters, mg/L									
Chloride	----	----	----			----	----	125	250
Nitrate as N	----	----	----			----	----	2	10
Sulfate	----	----	----			----	----	125	250
Total Alkalinity	196	220	238	235	237	237	----	----	----
Total Organic Carbon	----	----	----		1.8	1.6	1.6	----	----
pH	7.01	7.27	6.83	7	6.48	6.61	6.97	----	----
Conductivity (mS/cm)	0.355	0.33	0.383	0.347	0.291	0.399	0.499	----	----
Temperature (C)	12.19	8.65	15.01	8.54	10.98	7.68	12.47	----	----
ORP (mV)	-116.8	-107.7	-83.5	-102.8	-72	-81.8	-126.1	----	----
Dissolved Oxygen (mg/L)	0.39	0.81	1.70	1.55	0.38	1.42	1.42	----	----

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	4/15/2009	4/28/2010	4/19/2012	5/17/2013	4/28/2014	10/14/2015	4/27/2016	4/21/2017	4/25/2018	PAL	ES
tert-Butylbenzene	----	----	0.52	----	----	----	----	<0.18	----	---	---
Metals, mg/L											
Arsenic	0.0011	0.0011	0.0010	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	0.0084J	0.001	0.01
Barium	0.025	0.044	0.013	0.0714	0.0891	0.106	0.101	0.0898	0.128	0.4	2
Cadmium	<0.00012	<0.00061	0.00043	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	48.6	45.3	----	----	----	----	---	---
Cobalt	0.0003	<0.00061	0.00021	0.002	0.0018	0.0012	0.0015	<0.0014	<0.0014	0.008	0.04
Iron	<0.15	**0.38**	0.067	<0.0140	<0.0129	<0.0129	<0.0129	<0.034	<0.0155	0.15	0.3
Lead	<0.00012	<0.00061	<0.00016	<0.0012	<0.0030	0.0031	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	19.6	18.2	----	----	----	----	---	---
Manganese	**0.31**	0.039	0.110	**3.72**	**3.19**	**2.61**	**1.77**	**1.5**	**2.17**	0.060	0.300
Mercury	<0.000065	<0.000065	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	7.97	5.80	----	----	----	----	---	---
Sodium	----	----	----	14.1	6.45	----	----	----	----	---	---
Vanadium	0.00086	<0.00061	0.00062	0.0053	<0.0040	0.0083	<0.0020	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L											
Ethane	----	----	----	----	----	----	----	----	----	---	---
Ethene	----	----	----	----	----	----	----	----	----	---	---
Methane	----	----	----	----	----	----	----	----	----	---	---
Natural Attenuation Parameters, mg/L											
Chloride	8.7	5.5	5.7	7.9	8.9	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	6.8	7.0	----	----	----	----	125	250
Total Alkalinity	33	250	200	200	211	221	173	165	237	---	---
Total Organic Carbon	----	---		----	----	----	----	----	1.8	---	---
pH	7.15	7.3	8.16	7.98	7.71	7.89	8.20	8.02	7.65	---	---
Conductivity (mS/cm)	200	240	330	0.295	0.305	0.336	0.292	0.286	0.431	---	---
Temperature (C)	6.5	12.2	8.8	9.36	8.57	9.47	9.60	9.68	9.75	---	---
ORP (mV)	5	+13	-15.5	48.6	33.7	-33.2	-48.2	228.2	-32.6	---	---
Dissolved Oxygen (mg/L)	3.0	3.0	2.5	4.9	7.04	0.74	0.19	0.66	0.17	---	---

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

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

Volatile Organic	4/15/2009	4/28/2010	4/19/2012	5/28/2013	4/28/2014	10/14/2015	4/27/2016	4/21/2017	4/25/2018	PAL	ES
Metals, mg/L											
Arsenic	0.00099	0.0025	0.0021	<0.0044	<0.0072	<0.0072	0.0086	<0.0083	0.0089J	0.001	0.01
Barium	0.056	0.060	0.047	0.0432	0.0359	0.117	0.089	0.0691	0.0778	0.4	2
Cadmium	<0.00012	<0.00061	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	34.1	32.1	----	----	----	----	----	----
Cobalt	0.002	0.0038	0.011	0.0036	0.0036	<0.00094	0.00097	0.0021J	0.0022J	0.008	0.04
Iron	**1.0**	**11**	**6.6**	**1.97**	**1.47**	**25.6**	**23.4**	**21.2**	**27.8**	0.15	0.3
Lead	<0.00012	<0.00061	<0.00016	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	18.2	17.8	----	----	----	----	----	----
Manganese	**0.59**	**1.8**	**1.8**	**1.08**	**0.388**	**2.86**	**2.16**	**3.08**	**3.19**	0.060	0.300
Mercury	<0.000065	<0.000065	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	0.175	0.24	----	----	----	----	----	----
Sodium	----	----	----	3.98	4.12	----	----	----	----	----	----
Vanadium	0.00053	0.0008	0.0049	<0.0012	<0.0020	0.0098	<0.0020	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L											
Ethane	---	---	---	-----	----	----	----	----	----	----	----
Ethene	---	---	---	-----	----	----	----	----	----	----	----
Methane	---	---	---	-----	----	----	----	----	----	----	----
Natural Attenuation											
Chloride	11	7.0	8.9	5.6	8.9	----	----	----	----	125	250
Nitrate as N	---	---	---	----	----	----	----	----	----	2	10
Sulfate	---	---	---	8.1	8.3	----	----	----	----	125	250
Total Alkalinity	35	180	170	159	148	193	183	194	197	----	----
Total Organic Carbon	---	---	---	----	----	----	----	----	7.1	----	----
pH	7.25	7.1	8.26	----	6.94	6.77	7.21	6.81	6.39	----	----
Conductivity (mS/cm)	275	370	300	----	0.229	0.372	0.317	0.319	0.403	----	----
Temperature (C)	6.1	10.2	8.3	----	7.26	9.83	8.52	7.95	7.58	----	----
ORP (mV)	+17	+29	-10.9	----	26.6	-92.1	-101.4	-76.9	-77.4	----	----
Dissolved Oxygen (mg/L)	5.0	4.0	2.5	----	8.41	0.70	0.66	1.72	1.17	----	----

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	4/14/2009	Duplicate 4/14/09	4/28/2010	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	PAL	ES
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.20	240	<0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	96	480
Acetone	----	----	----	----	<2.6	<2.6	<3.0	<3.0	4.8	<3.0	<3.0	----	----	1800	9000
sec-Butylbenzene	----	----	2.7	9.8	----	<0.60	<2.2	6.5	2.4	<2.2	<2.2	----	----	-----	-----
tert-Butylbenzene	2.3	2.4	5.2	<0.24	----	1.1	7.7	13.0	3.4	2.3	3.5	----	----	-----	-----
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.22	<0.42	<0.42	<0.26	0.35	<0.26	<0.26	<0.26	----	----	7	70
Isopropylbenzene	<0.20	<0.20	<0.20	4.5	---	<0.34	<0.12	0.66	<0.14	<0.14	<0.14	----	----	-----	-----
n-Propylbenzene	<0.50	<0.50	<0.50	1.2	----	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	----	----	-----	-----
Metals, mg/L															
Arsenic	0.00094	----	0.00083	0.0022	<0.0044	<0.0044	<0.0072	<0.0072	<0.0072	<0.0072	0.0094	<0.0054	0.0057J	0.001	0.01
Barium	0.14	----	0.140	0.130	0.176	0.179	0.144	0.148	0.126	0.109	0.122	0.113	0.12	0.4	2
Cadmium	0.00014	----	<0.00061	<0.00010	<0.00038	<0.00038	<0.00060	<0.00060	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	----	84.3	----	63.9	----	----	----	----	----	----	----	----
Cobalt	0.0016	----	0.0022	0.0023	0.0025	0.0026	0.0023	0.0027	0.0029	0.0026	0.0013	0.0018J	0.0018J	0.008	0.04
Iron	**0.55**	----	**0.93**	**2.3**	**0.315**	**1.32**	0.298	**0.676**	**0.724**	**0.47**	**0.564**	**0.435**	**0.485**	0.15	0.3
Lead	<0.00012	----	<0.00061	<0.00016	<0.0012	<0.0012	<0.0030	<0.0030	0.0051	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	----	33.2	----	24.4	----	----	----	----	----	----	----	----
Manganese	**4.9**	----	**4.5**	**6.4**	**5.54**	**6.98**	**4.34**	**5.6**	**5.16**	**4.6**	**4.39**	**4.6**	**4.8**	0.060	0.300
Mercury	<0.000065	----	<0.000065	<0.000070	<0.0001	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00013	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	----	2.91	----	2.10	----	----	----	----	----	----	----	----
Sodium	----	----	----	----	11.6	----	9.54	----	----	----	----	----	----	----	----
Vanadium	0.00051	----	<0.00061	0.00083	0.006	0.003	<0.0040	<0.0020	0.0141	<0.0020	<0.0020	<0.0022	<0.0022	0.006	0.03
Dissolved Gases, ug/L															
Ethane	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Ethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Methane	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Natural Attenuation Parameters, mg/L															
Chloride	12	----	15	9.6	15.8	----	20.9	----	----	----	----	----	----	125	250
Nitrate as N	----	----	----	----	----	----	----	----	----	----	----	----	----	2	10
Sulfate	----	----	----	----	2.4	----	<2.0	----	----	----	----	----	----	125	250
Total Alkalinity	250	----	340	240	299	----	274	----	219	203	202	200	189	----	----
Total Organic Carbon	----	----	----	----	----	----	----	----	----	----	----	----	2.2	----	----
pH	7.07	----	7.2	8.20	7.12	6.89	7.07	6.74	6.95	7.30	6.61	7.09	6.81	----	----
Conductivity (mS/cm)	550	----	450	370	0.451	0.470	0.438	0.417	0.332	0.285	0.292	0.297	0.352	----	----
Temperature (C)	9.3	----	9.5	11.8	10.45	11.49	10.23	10.72	9.85	9.67	10.52	9.57	9.87	----	----
ORP (mV)	+395	----	+275	181.6	-14.9	55.8	-39.4	25.0	-12.7	-27.3	8.2	-17.9	-21.3	----	----
Dissolved Oxygen (mg/L)	4.5	----	4.0	5.0	0.4	2.19	0.70	0.20	0.40	0.20	0.05	0.61	0.41	----	----

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	PAL	ES
tert-Butylbenzene	4.1	---	---	---	---	5.9	---	-----	-----
cis-1,2-Dichloroethene	<0.22	---	---	---	---	0.39J	---	7	70
Isopropylbenzene						0.34J	---	---	---
sec-Butylbenzene						6.0	---	---	---
Metals, mg/L									
Arsenic	0.00055	<0.0044	<0.0072	<0.0072	<0.0072	0.0060J	<0.0054	0.001	0.01
Barium	0.160	0.209	0.165	0.167	0.208	0.264	0.28	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<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	0.008	0.04
Iron	0.040	0.0261	0.0219	0.0151	0.0273	0.0314J	.0356J	0.15	0.3
Lead	<0.00016	<0.0012	<0.0030	0.0031	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	---	27.8	22.0	----	----	----	----	---	---
Manganese	**2.2**	**2.69**	**2.17**	**2.64**	**3.04**	**3.08**	**3.22**	0.060	0.300
Mercury	<0.00070	<0.00010	<0.00010	<0.00010	<0.00018	<0.0013	<0.00013	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	0.006	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	---	---
Total Organic Carbon	---	----	-----	----	----	---	2.8	---	---
pH	7.38	7.43	9.16	7.24	7.37	7.15	6.96	---	---
Conductivity (mS/cm)	380	0.36	0.374	0.364	0.402	0.441	0.514	---	---
Temperature (C)	11.8	9.73	9.39	10.48	9.55	9.48	9.8	---	---
ORP (mV)	-13.8	-3.4	-558.7	-6.5	15.7	25.7	27.9	---	---
Dissolved Oxygen (mg/L)	2.9	0.45	0.70	0.38	0.24	0.86	0.29	---	---

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	PAL	ES
1,2,4-Trimethylbenzene	8.2	---	---	---	---	**673**	240	339	334	154	96	480
1,3,5-Trimethylbenzene	4.7	---	---	---	---	**<5**	16.4	36.9	<1.0	<0.87	96	480
n-Butylbenzene							7.2	8.7	5.7	1.5J	-----	-----
sec-Butylbenzene	2.2	---	---	---	---	<21.9	16.9	19.2J	16.7	6.5	-----	-----
Isopropylbenzene		---	---	---	---	5.1J	2.1	2.9J	2.9	1.3J	---	---
Methylene chloride	<0.63	---	---	---	---	<2.3	<0.47	<1.2	<0.47	1.4J	0.5	5
n-Proplybenzene		---	---	---	---	11.6	4.3	6.5	5.5	2.4J	---	---
p-Isoproplytoluene		---	---	---	---	13.5	12.1	14.3	14.3	5.1	---	---
tert-Butylbenzene		---	---	---	---	2.1J	3.2	5.0	3.9	1.6	---	---
Metals, mg/L												
Arsenic	0.0057	0.0056	<0.0072	<0.0072	<0.0072	0.0073J	**0.0109J**	<0.0054	0.0063J	<0.0054	0.001	0.01
Barium	0.110	0.134	0.0944	0.168	0.132	0.155	0.155	0.157	0.143	0.139	0.4	2
Cadmium	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<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	0.008	0.04
Iron	**4.1**	**4.7**	**3.09**	**6.55**	**6.26**	**7.7**	**6.71**	**6.71**	**6.54**	**5.98**	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	0.0015	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**	0.060	0.300
Mercury	<0.000070	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	<0.00013	<0.000084	0.0002	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	0.006	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	----	----	----
Total Organic Carbon	----	----	----	----	----	----	1.1	1.2	1.3	1.2	----	----
pH	8.43	6.69	7.23	7.16	7.52	7.12	6.95	6.95	6.88	6.97	----	----
Conductivity (mS/cm)	310	0.265	0.234	0.340	0.257	0.278	0.233	0.233	0.351	0.383	----	----
Temperature (C)	9.1	9.59	8.49	10.16	9.13	8.91	11.03	11.03	9.08	10.3	----	----
ORP (mV)	22.7	-40.6	-93.8	-94.9	-95.4	-73.8	-71.0	-71.0	-80.3	-92.8	----	----
Dissolved Oxygen (mg/L)	4.8	5.22	4.49	1.43	2.24	4.24	0.46	0.46	2.18	3.31	----	----

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	PAL	ES
Acetone	<3.0	<3.0	2.8J	1800	9000
Benzene	<0.50	1.5	<0.25	0.5	5
sec-Butylbenzene	<2.2	27.9	<0.85	-----	-----
tert-Butylbenzene	<0.18	25.5	<0.30	-----	-----
Chlorobenzene	<0.50	0.96J	<0.71	-----	-----
Methylene chloride	<0.23	<0.23	0.96J	0.5	5
Naphthalene	<2.5	57.3	<1.2	10	100
Isopropylbenzene	<0.14	101	<0.39	-----	-----
n-Butylbenzene	<0.50	11.5	<0.71	-----	-----
n-Propylbenzene	<0.50	150	<0.81	-----	-----
p-Isopropyltoluene	<0.50	0.58J	<0.80	-----	-----
Metals, mg/L					
Arsenic	<0.0054	<0.0054	<0.0054	0.001	0.01
Barium	0.0262	0.0237	0.0215	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	<0.0155	<0.0155	<0.0354	0.15	0.3
Lead	0.0074	<0.0043	<0.0064	0.0015	0.015
Magnesium	----	----	----	----	----
Manganese	<0.0011	<0.0011	<0.0011	0.060	0.300
Mercury	<0.00013	<0.00013	<0.000084	0.0002	0.002
Potassium	----	----	----	----	----
Sodium	----	----	----	----	----
Vanadium	<0.0022	<0.0022	<0.0022	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	----	----	----
Total Organic Carbon	0.7	0.88	0.83J	----	----

Table 1
PW1
Summary of Detected Compounds
Onalaska Superfund Landfill

Volatile Organic Compounds (VOC), ug/L	7/10/2008	4/29/2010	4/18/2012	5/15/2013	4/29/2014	10/16/2015	5/16/2016	10/5/2016	4/21/2017	4/24/2018	PAL	ES
Metals, mg/L												
Arsenic	----	<0.00061	<0.00015	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	----	0.022	0.020	0.0228	0.0173	0.021	0.0207	0.0125	0.0218	0.0248	0.4	2
Cadmium	----	<0.00061	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	69.9	60.7	----	----	----	----	----	----	----
Cobalt	----	<0.00061	<0.00013	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.0014	0.008	0.04
Iron	----	**4.4**	**3.5**	**4.38**	**3.42**	**4.53**	**4.15**	<0.034	**5.87**	**10.4**	0.15	0.3
Lead	0.00014	<0.00061	0.0027	<0.0012	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	18.4	16.5	----	----	----	----	----	----	----
Manganese	----	0.11	0.120	0.129	0.143	0.127	0.118	0.0054	0.158	0.133	0.060	0.300
Mercury	----	<0.000065	<0.000070	<0.00010	<0.00010	<0.00010	<0.00013	<0.00013	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	2.77	2.4	----	----	----	----	----	----	----
Sodium	----	----	----	7.78	6.5	----	----	----	----	----	----	----
Vanadium	----	<0.00061	<0.00034	<0.0012	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	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	4/15/2009	4/29/2010	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	PAL	ES
Metals, mg/L													
Arsenic	0.00058	<0.00061	0.00066	<0.0044	<0.0072	<0.0072	<0.0072	<0.0072	<0.0083	<0.0083	<0.0083	0.001	0.01
Barium	0.11	0.073	0.091	0.153	0.118	0.124	0.133	0.140	0.131	0.126	0.117	0.4	2
Cadmium	<0.00012	<0.00061	<0.00010	<0.00038	<0.00060	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	<0.0013	0.0005	0.005
Calcium	----	----	----	60	50.1	----	----	----	----	----	----	----	----
Cobalt	<0.00012	<0.00061	<0.00013	<0.00085	<0.00094	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	<0.014	0.008	0.04
Iron	0.16	0.280	0.089	<0.0140	<0.0129	<0.0129	<0.0129	<0.0129	<0.034	0.0611J	0.177	0.15	0.3
Lead	<0.00012	<0.00061	0.0037	<0.0012	<0.0030	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	----	----	16.8	14.5	----	----	----	----	----	----	----	----
Manganese	0.054	0.050	0.190	0.209	0.158	**0.394**	0.131	0.109	**0.369**	0.132	0.172	0.060	0.300
Mercury	<0.000065	<0.000065	<0.00070	<0.00010	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	0.0002	0.002
Potassium	----	----	----	4.11	3.21	----	----	----	----	----	----	----	----
Sodium	----	----	----	7.59	5.61	----	----	----	----	----	----	----	----
Vanadium	<0.00012	<0.00061	<0.00034	<0.0012	<0.0020	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	<0.0022	0.006	0.03
Natural Attenuation Parameters, mg/L													
pH	----	U	----	7.73	----	----	----	----	----	----	----	----	----
Conductivity (mS/cm)	----	U	----	0.295	----	----	----	----	----	----	----	----	----
Temperature (C)	----	U	----	7.02	----	----	----	----	----	----	----	----	----
ORP (mV)	----	U	----	72.7	----	----	----	----	----	----	----	----	----
Dissolved Oxygen (mg/L)	----	U	----	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	PAL	ES
Toluene	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	160	800
Metals, mg/L								
Arsenic	<0.0044	<0.0072	<0.0072	<0.0072	<0.0083	<0.0083	0.001	0.01
Barium	0.0331	0.0259	0.0284	0.0189	0.028	0.0348	0.4	2
Cadmium	<0.00038	<0.00060	<0.00060	<0.00060	<0.0013	<0.0013	0.0005	0.005
Calcium	----	65.4	----	----	----	----	----	----
Cobalt	<0.00085	<0.00094	<0.00094	<0.00094	<0.0014	<0.0014	0.008	0.04
Iron	**6.72**	**4.25**	**4**	**1.46**	**10.8**	**5.4**	0.15	0.3
Lead	0.0026	<0.0030	<0.0030	<0.0030	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	16.2	----	----	----	----	----	----
Manganese	0.143	0.109	0.112	0.152	0.150	0.119	0.060	0.300
Mercury	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	0.0002	0.002
Potassium	----	2.49	----	----	----	----	----	----
Sodium	----	3.79	----	----	----	----	----	----
Vanadium	<0.0012	<0.0020	<0.0020	<0.0020	<0.0022	<0.0022	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	PAL	ES
Acetone	<2.6	<0.30	<3.0	<3.0	<3.0	4.1J	<3.0	1800	9000
Toluene	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	160	800
Metals, mg/L									
Arsenic	<0.0044	<0.0072	<0.0072	<0.0072	<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	0.4	2
Cadmium	<0.00038	<0.00060	<0.00060	<0.00060	<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	0.008	0.04
Iron	**6.6**	**5.49**	**4.82**	**1.43**	**4.57**	**4.12**	**7.58**	0.15	0.3
Lead	<0.0012	<0.0030	0.0033	0.0042	<0.0043	<0.0043	<0.0043	0.0015	0.015
Magnesium	----	16.3	----	----	----	----	----	----	----
Manganese	0.120	0.100	0.101	0.106	0.094	0.096	0.119	0.060	0.300
Mercury	<0.00010	<0.00010	<0.00010	<0.00018	<0.00013	<0.00013	<0.00013	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	0.006	0.03

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

Table 1
Notes
Summary of Detected Compounds
Onalaska Superfund Landfill
Braun Intertec Project #LC-13-01254.00

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

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

Shaded 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

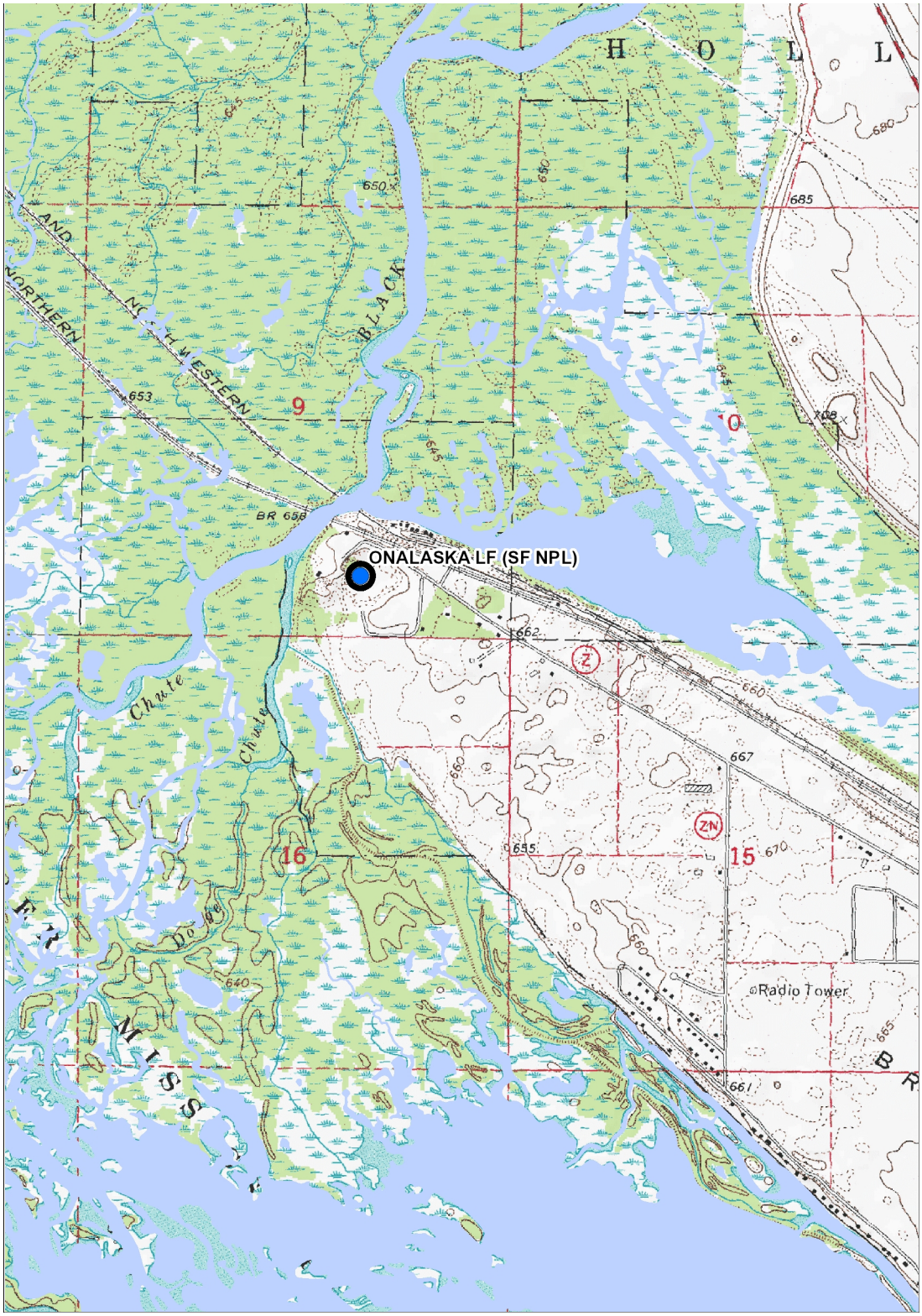
Residential wells are sampled for VOC and metals only.

Created by (beginning with 4/9/08 results):	TLR	Date:	5/6/2008
Last revision by:	SJO	Date:	12/28/2018
Checked by:	SJO	Date:	12/28/2018

https://netorg76955-my.sharepoint.com/personal/john_storlie_theosgrp_com/Documents/CES-Projects/OnalaskaLandfill/[Table_1_Analytical_122718.xlsx]Notes

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

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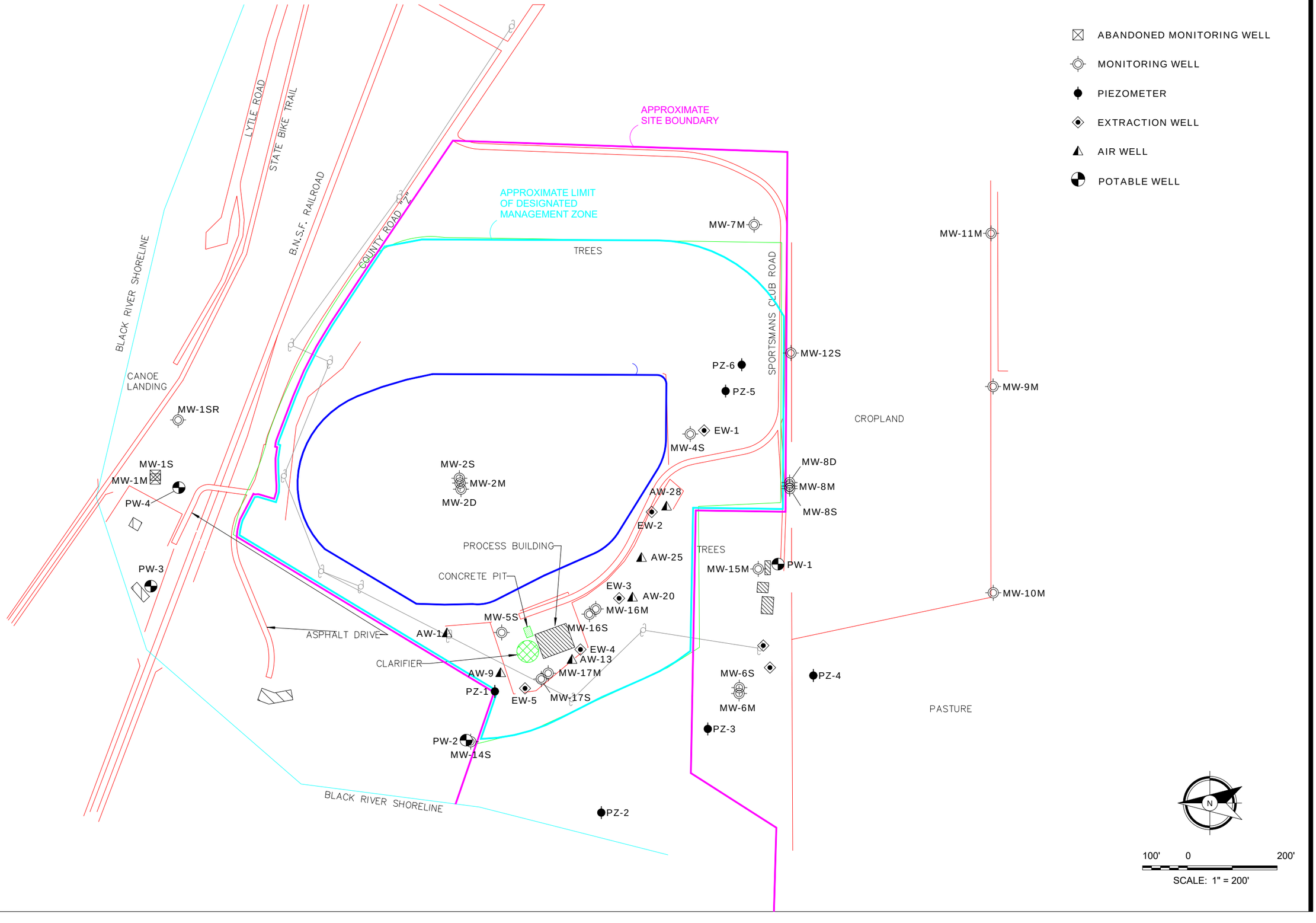
Note: Not all sites are mapped.

Notes



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
EXTRACTION WELL
AIR WELL
POTABLE WELL
(643) 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
643.70
643.60
643.50
643.40
643.30
643.50

MW-1SR (643.77)
MW-1S
MW-1M
PW-4
PW-3
MW-2S (643.72)
MW-2M
MW-2D
MW-7M
MW-11M
MW-9M
MW-10M
MW-12S (643.39)
PZ-6 (643.39)
PZ-5 (643.49)
EW-1
MW-4S (643.50)
MW-8D
MW-8M
MW-8S (643.33)
AW-28
EW-2
AW-25
MW-15M
PW-1
EW-3
AW-20
MW-16M
MW-5S
MW-16S (643.42)
(643.53)
EW-4
AW-13
AW-1
AW-9
MW-17M
PZ-1 (643.45)
EW-5
MW-17S (643.49)
(643.29)
MW-6S
MW-6M
PZ-4 (643.34)
PZ-3 (643.56)
PW-2
MW-14S (643.54)
PZ-2 (643.28)

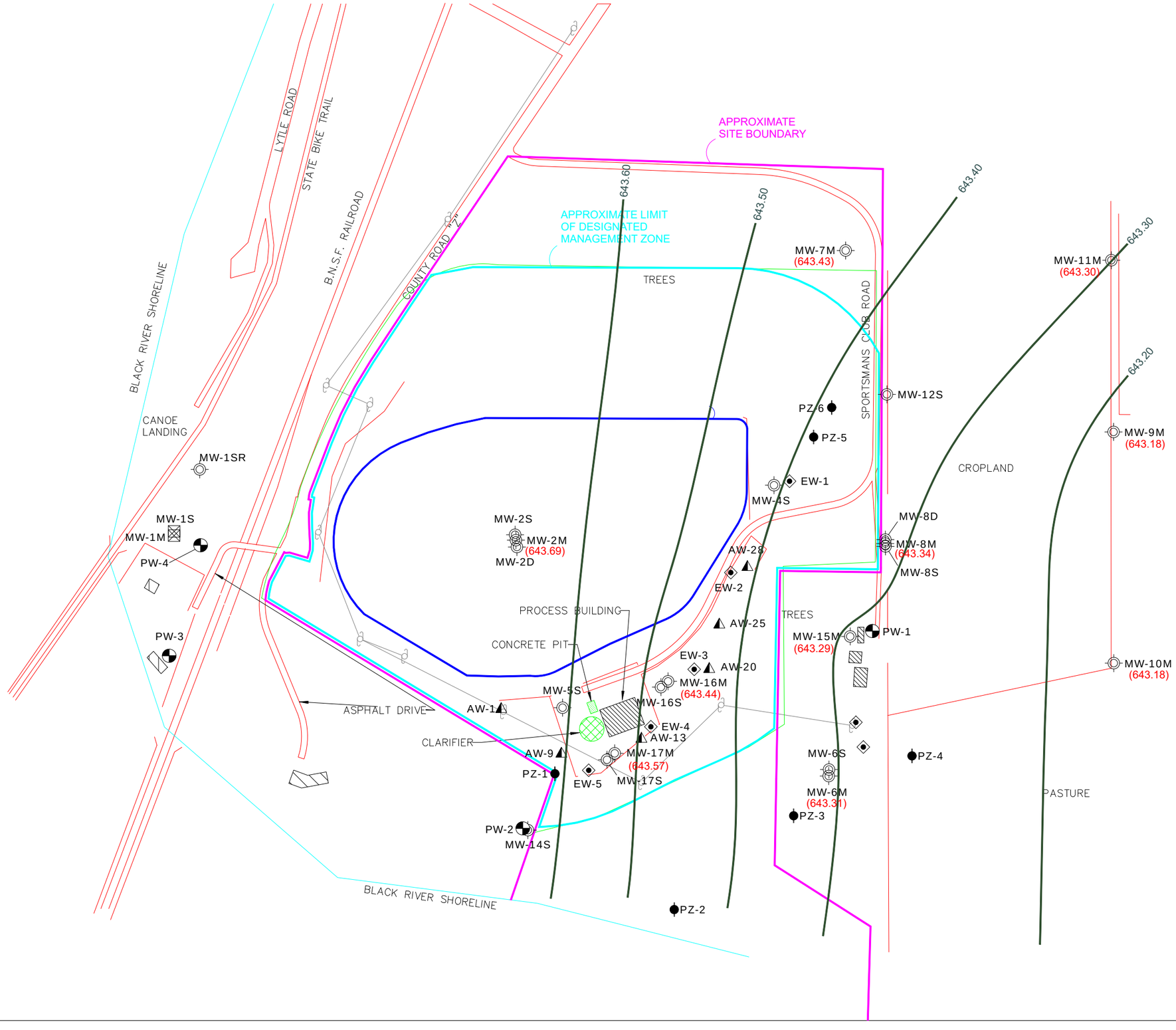
100' 0 200'
SCALE: 1" = 200'

Groundwater Contour Map - Shallow - January 9, 2018
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:	3

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2GW_Sh_Jan18



Groundwater Contour Map - Mid Depth - January 9, 2018
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

The OS Group LLC

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

Project No: 1701119

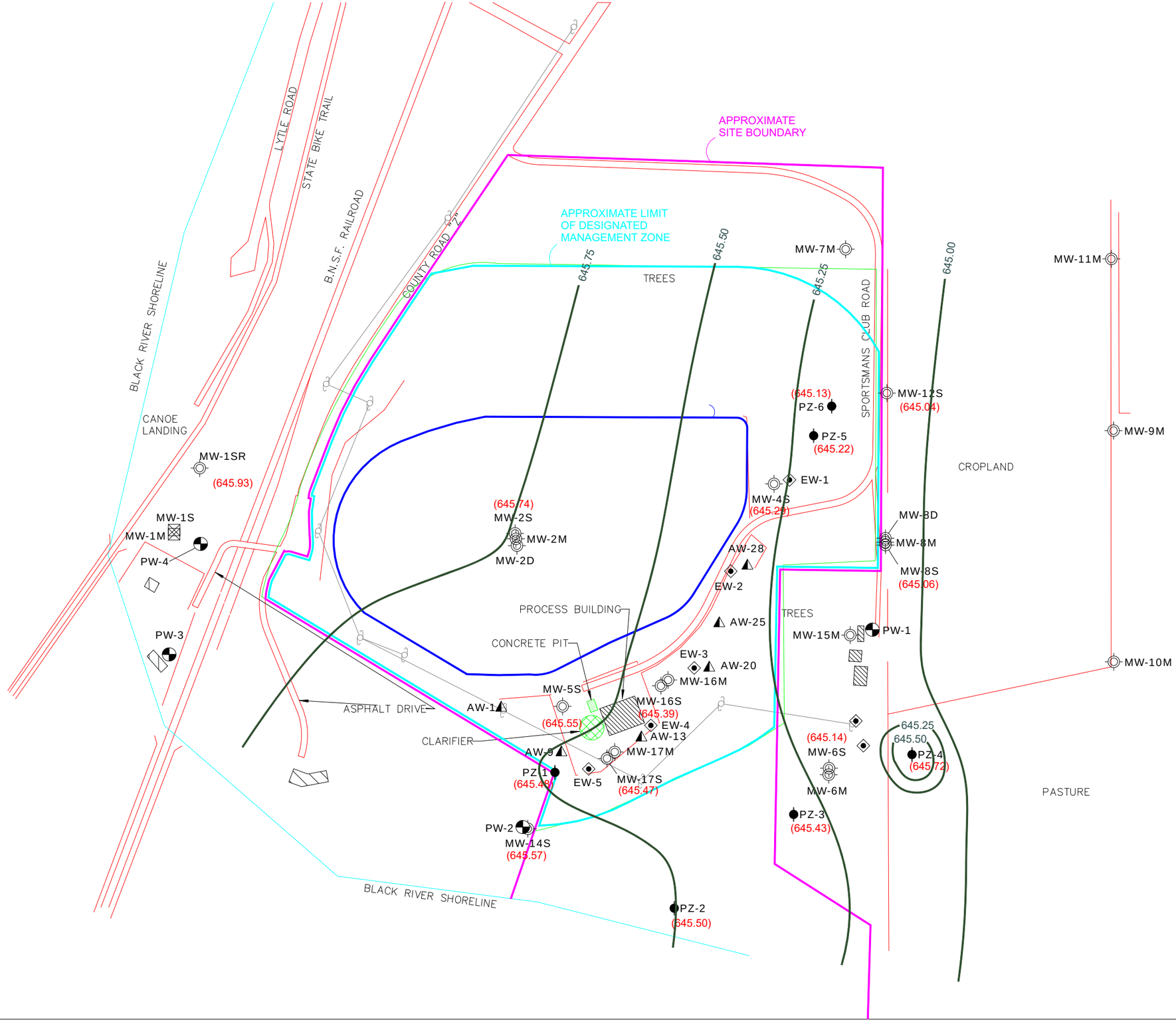
Drawing No:

Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	12/12/18
Checked By:	JCS
Last Modified:	12/13/18

Sheet: 1 of 1

Fig: 4

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_M_Jan18

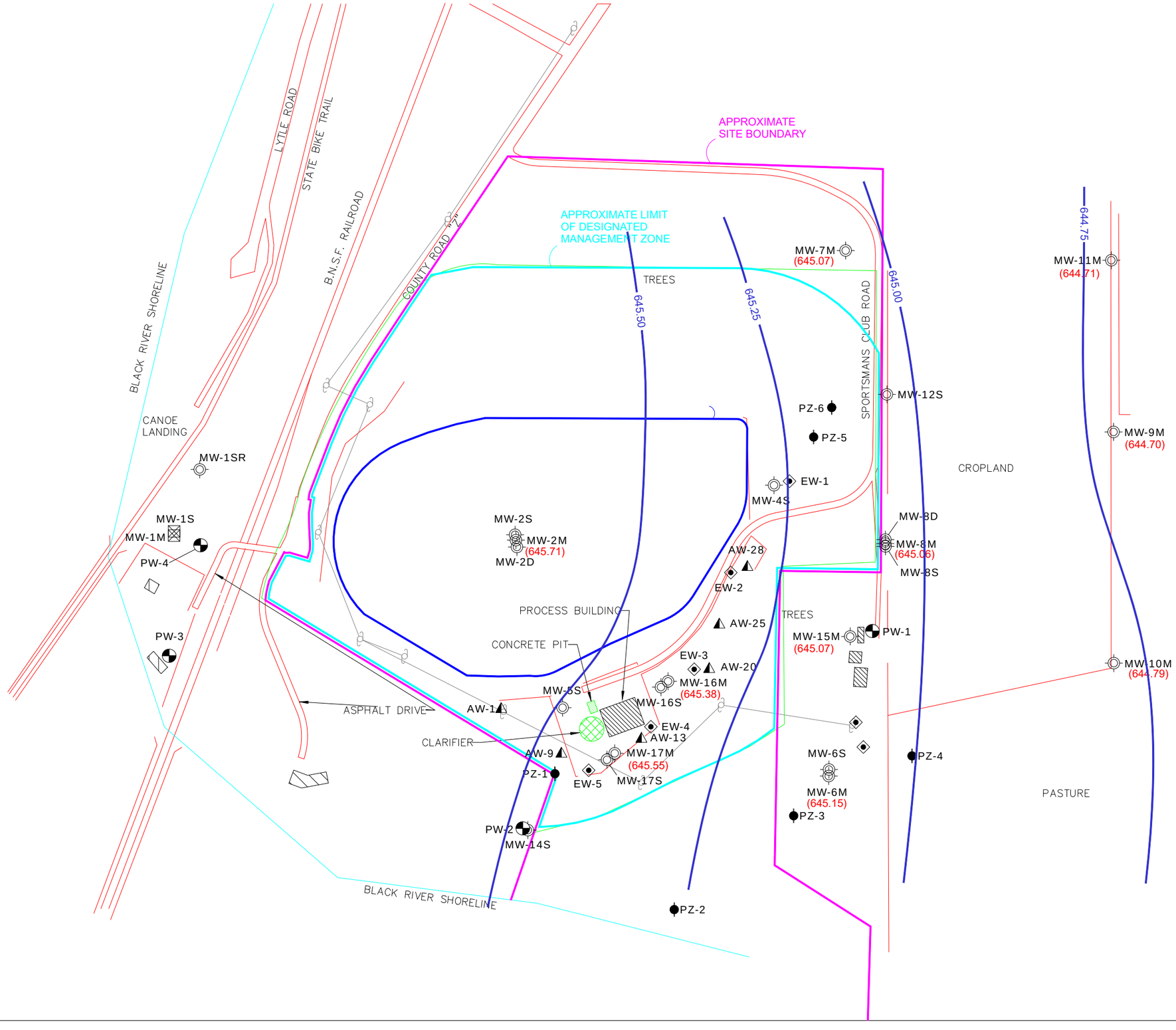


Groundwater Contour Map - Shallow - April 20, 2018
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

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:	5

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_Sh_Apr18



Groundwater Contour Map - Mid Depth - April 20, 2018
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:	12/12/18
Checked By:	JCS
Last Modified:	12/13/18

Sheet: 1 of 1

Fig: 6

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_M_Apr18

ABANDONED MONITORING WELL
MONITORING WELL
PIEZOMETER
EXTRACTION WELL
AIR WELL
POTABLE WELL
(645) GROUNDWATER ELEVATION

APPROXIMATE SITE BOUNDARY
APPROXIMATE LIMIT OF DESIGNATED MANAGEMENT ZONE
LYTLE ROAD
STATE BIKE TRAIL
B.N.S.F. RAILROAD
COUNTY ROAD "Z"
BLACK RIVER SHORELINE
SPORTSMANS CLUB ROAD
CANOE LANDING
TREES
CROPLAND
PASTURE
PROCESS BUILDING
CONCRETE PIT
ASPHALT DRIVE
CLARIFIER
646.00
645.80
645.60

MW-1SR (645.96)
MW-1S
MW-1M
PW-4
PW-3
MW-2S (646.07)
MW-2M
MW-2D
MW-7M
MW-11M
MW-9M
(645.79) PZ-6
MW-12S (645.74)
PZ-5 (645.87)
EW-1
MW-4S (645.87)
AW-28
EW-2
MW-8D
MW-8M
MW-8S (645.59)
AW-25
MW-15M
PW-1
MW-10M
EW-3
AW-20
MW-16M
MW-5S
MW-16S (645.71)
AW-1
(645.82)
EW-4
AW-13
AW-9
MW-17M
PZ-1 (645.69)
EW-5
MW-17S (645.75)
(645.46) MW-6S
MW-6M
PZ-4 (645.48)
PZ-3 (645.72)
PW-2
MW-14S (645.73)
PZ-2 (645.57)

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

Groundwater Contour Map - Shallow - October 24, 2018
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:	7

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_S_Oct18

Groundwater Contour Map - Mid Depth - October 24, 2018
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

ABANDONED MONITORING WELL
MONITORING WELL
PIEZOMETER
EXTRACTION WELL
AIR WELL
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

646.00
645.80
645.60
645.40

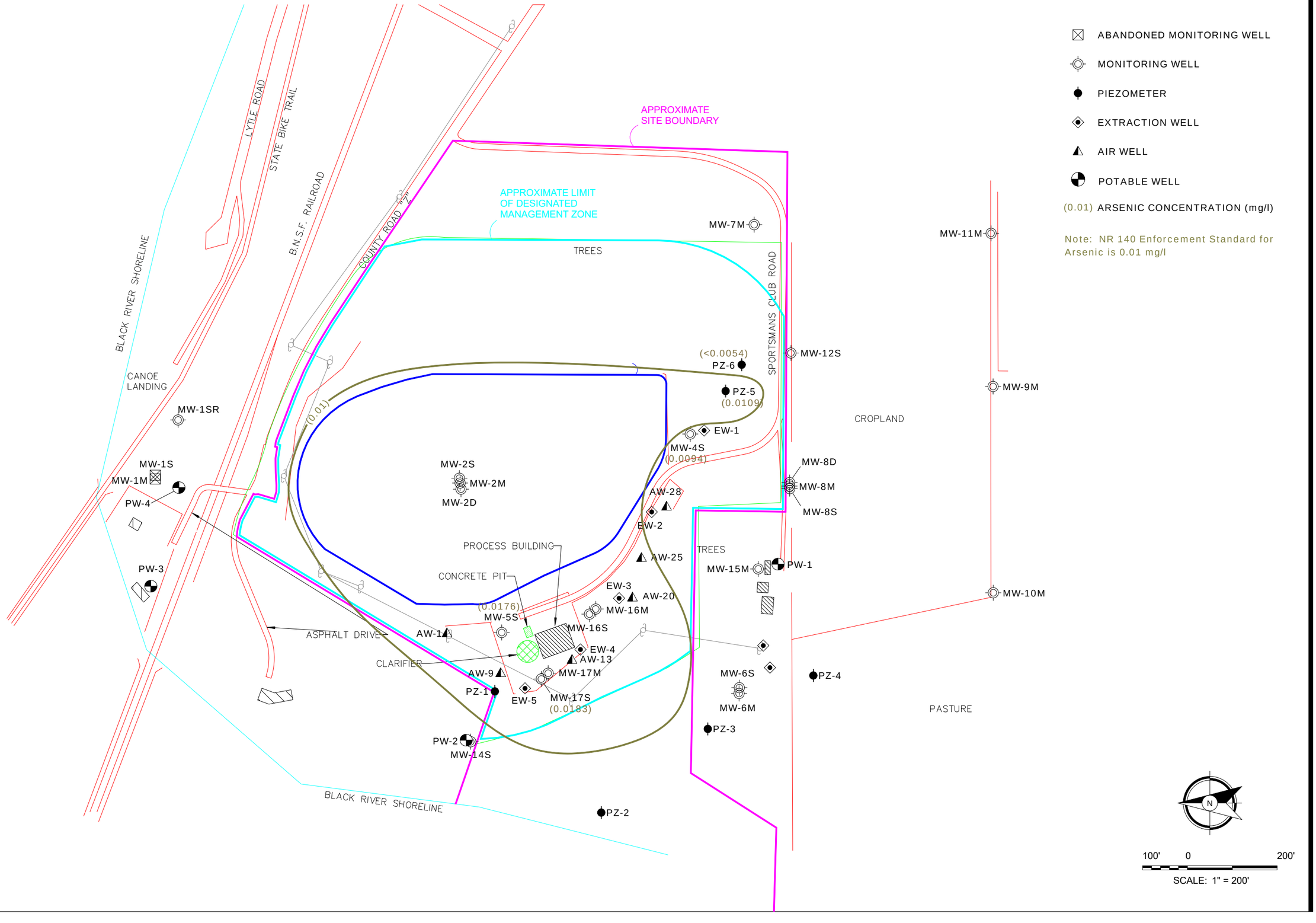
MW-1SR
MW-1S
MW-1M
PW-4
PW-3
MW-2S
MW-2M (646.04)
MW-2D
MW-4S
EW-1
PZ-6
PZ-5
MW-12S
MW-7M (645.83)
MW-11M (645.50)
MW-9M (645.35)
MW-8D
MW-8M (645.60)
MW-8S
AW-28
EW-2
AW-25
MW-15M (645.52)
PW-1
MW-10M (645.24)
EW-3
AW-20
MW-16M (645.71)
MW-5S
MW-16S
AW-1
EW-4
AW-13
AW-9
MW-17M (645.82)
PZ-1
EW-5
MW-17S
MW-6S
MW-6M (645.47)
PZ-3
PZ-4
PW-2
MW-14S
PZ-2

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:	12/12/18
Checked By:	JCS
Last Modified:	12/13/18
Sheet:	1 of 1
Fig:	8

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_M_Oct18



The OS Group LLC

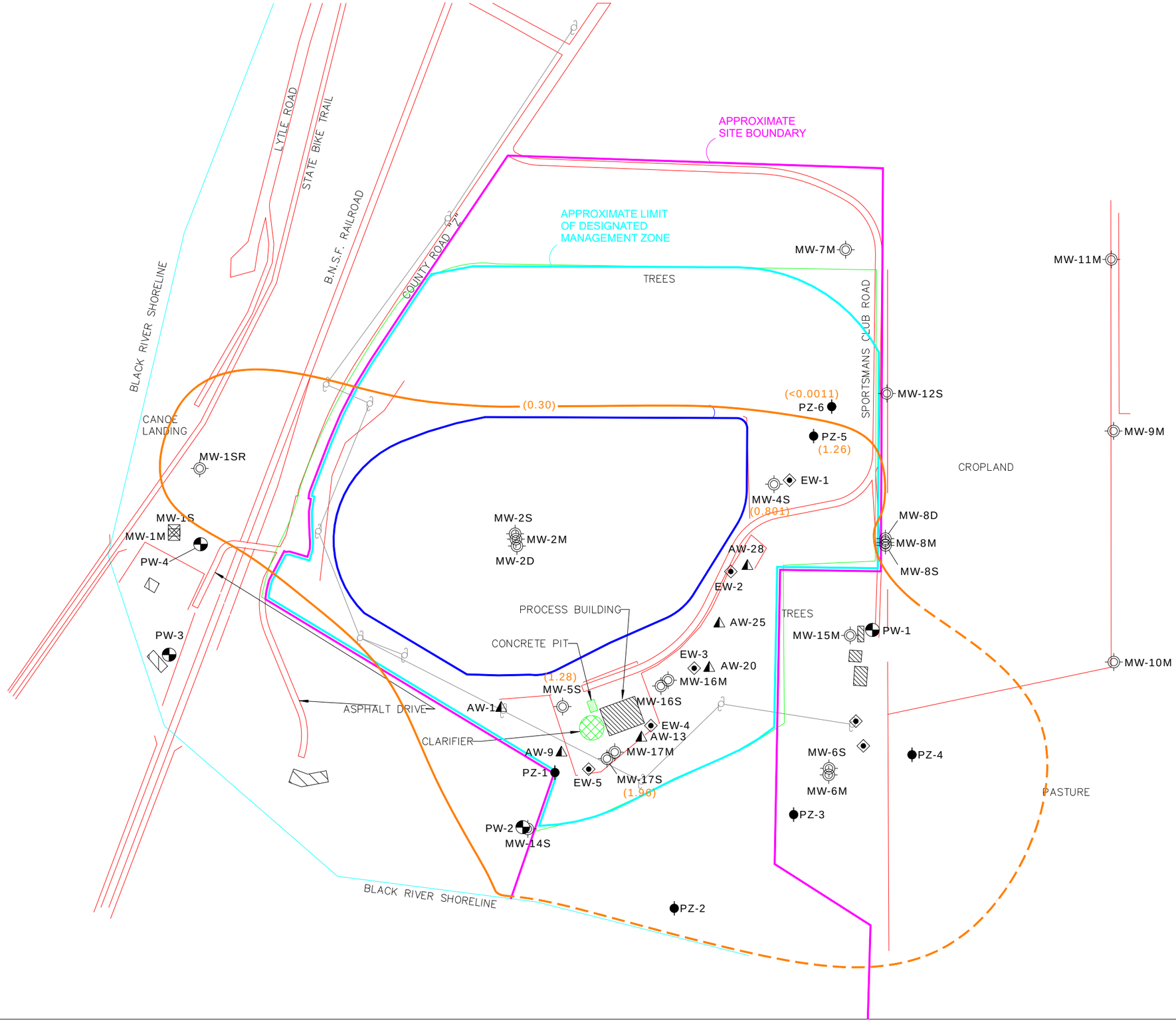
Groundwater Arsenic Isoconcentration - Shallow - January 9, 2018
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

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: 9

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_As_Jan18



ABANDONED MONITORING WELL

MONITORING WELL

PIEZOMETER

EXTRACTION WELL

AIR WELL

POTABLE WELL

(0.03) MANGANESE CONCENTRATION (mg/l)

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

The OS Group LLC

Groundwater Manganese - Shallow
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

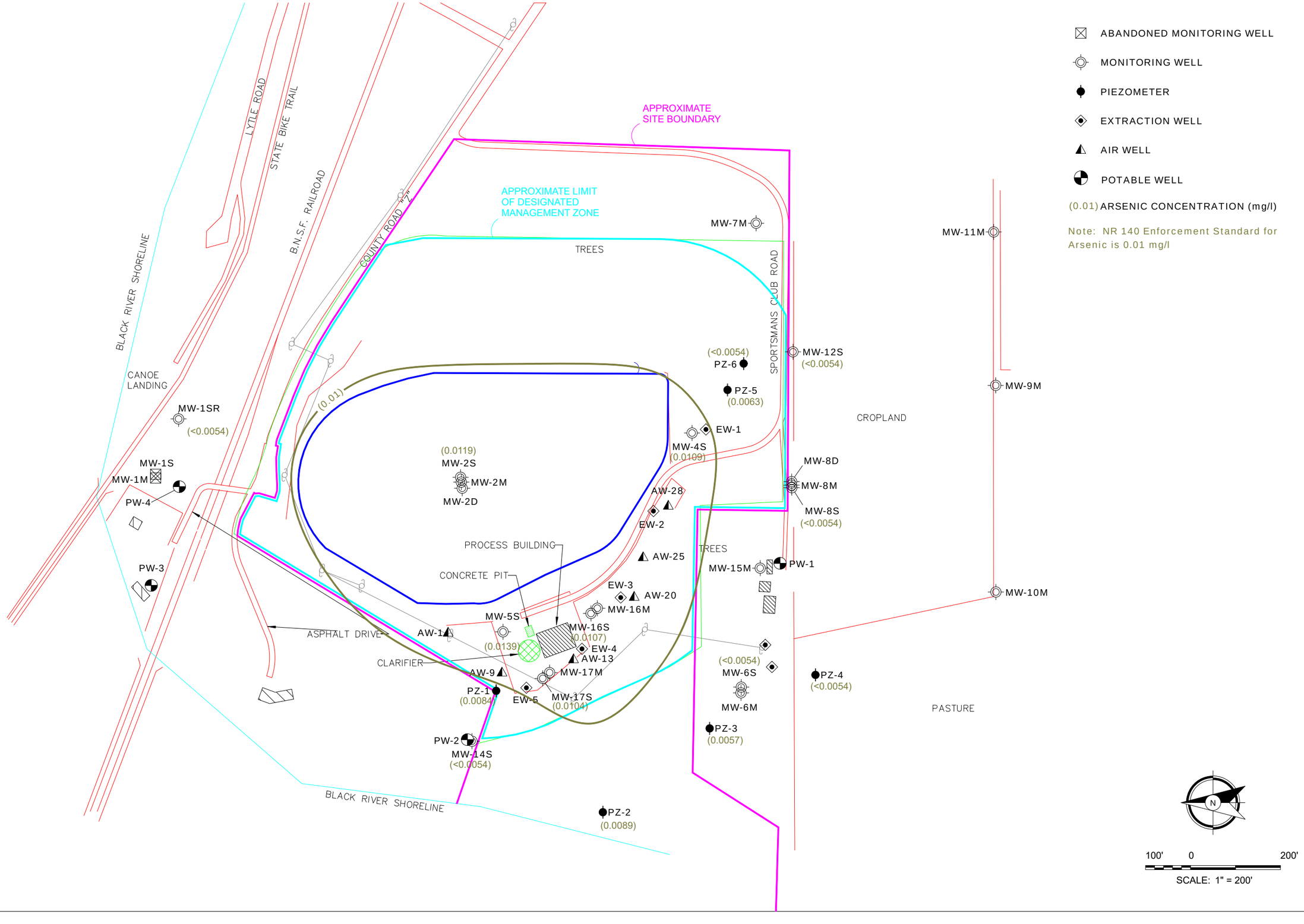
Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

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: 10

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_As_Jan18



The OS Group LLC

Groundwater Arsenic Isoconcentration - Shallow - April 2018
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

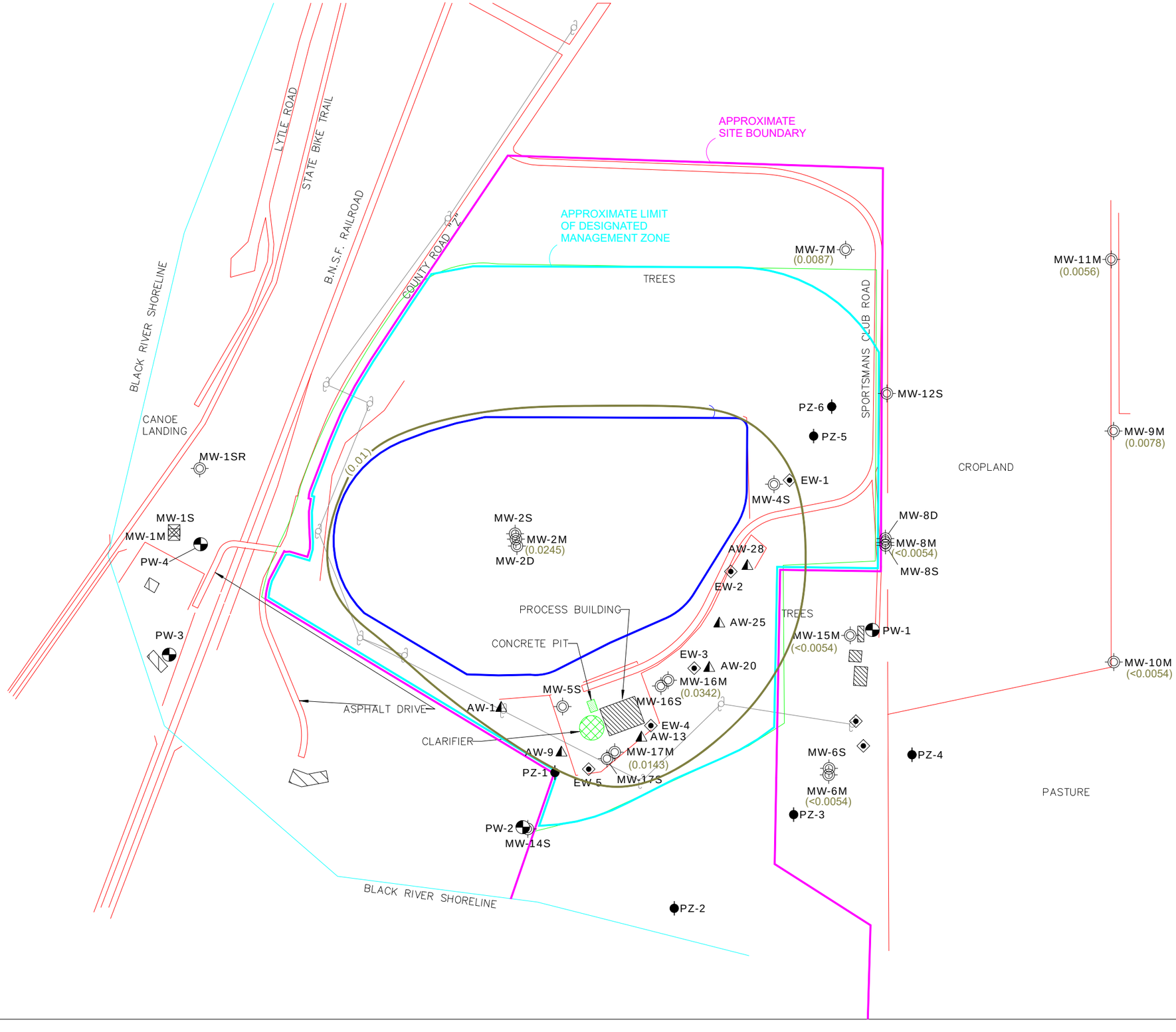
Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

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: 11

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_Sh_As_Apr18



The OS Group LLC

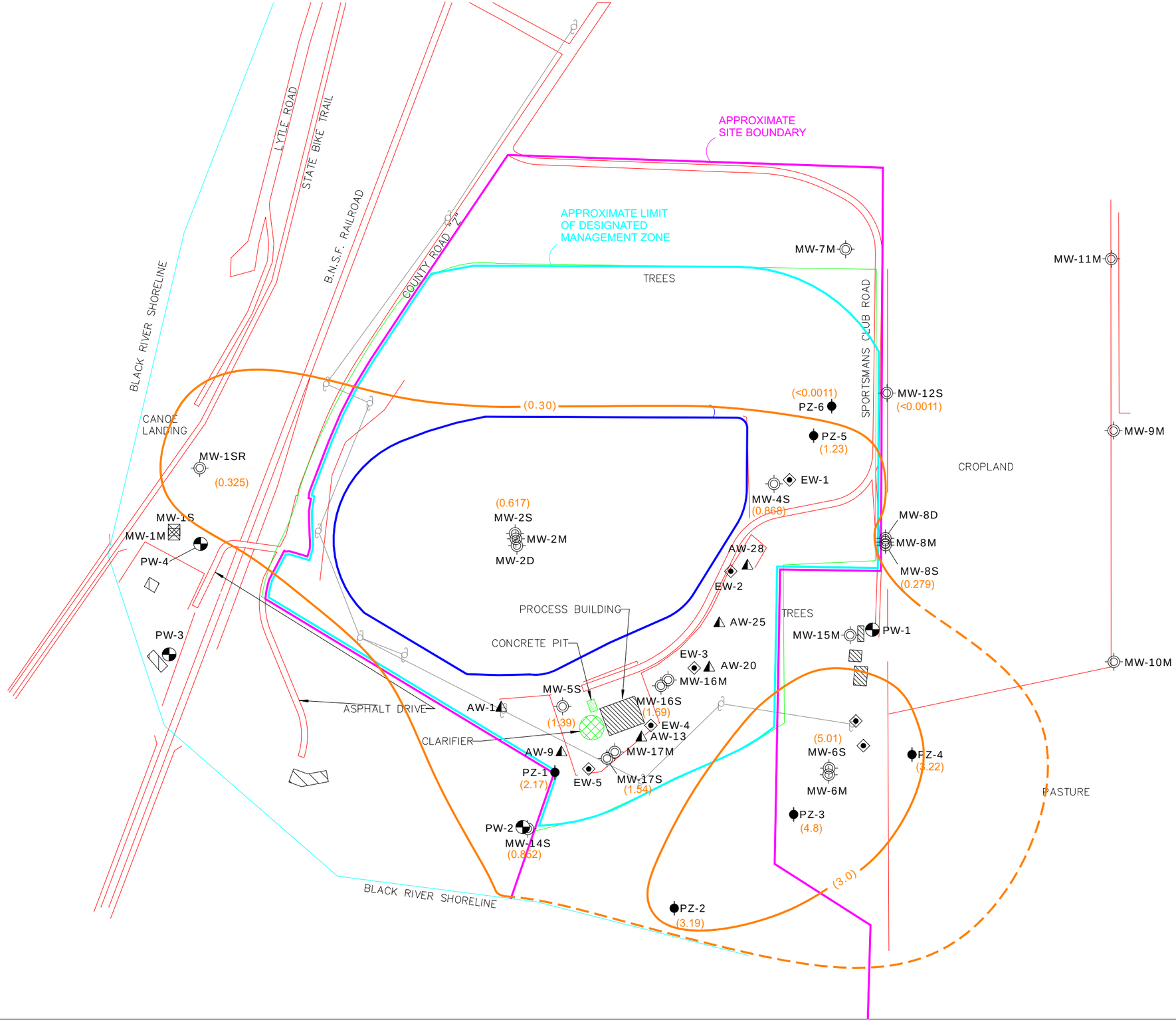
Groundwater Arsenic Isoconcentration - Mid Depth - April 2018
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

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: 12

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_M_As_Apr18



Groundwater Manganese Isoconcentration - Shallow - April 2018
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:	12/12/18
Checked By:	JCS
Last Modified:	12/13/18

Sheet: 1 of 1

Fig: 13

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_S_Mn_Apr18

ABANDONED MONITORING WELL
MONITORING WELL
PIEZOMETER
EXTRACTION WELL
AIR WELL
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
(1.0)
(2.0)

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 (0.822)
MW-2D
MW-7M (0.778)
MW-11M (1.26)
MW-12S
MW-9M (0.914)
PZ-6
PZ-5
EW-1
MW-4S
MW-8D
MW-8M (2.8)
MW-8S
AW-28
EW-2
AW-25
MW-15M (2.27)
PW-1
EW-3
AW-20
MW-16M (1.92)
MW-10M (1.79)
MW-5S
MW-16S
AW-1
EW-4
AW-13
AW-9
MW-17M (1.11)
PZ-1
EW-5
MW-17S
MW-6S
PZ-4
MW-6M (2.15)
PZ-3
PW-2
MW-14S
PZ-2

N

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

Groundwater Manganese Isoconcentration - Mid Depth - April 2018
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

The OS Group LLC

Base Dwg Provided By:
WISCONSIN DEPARMENT OF NATURAL RESOURCES

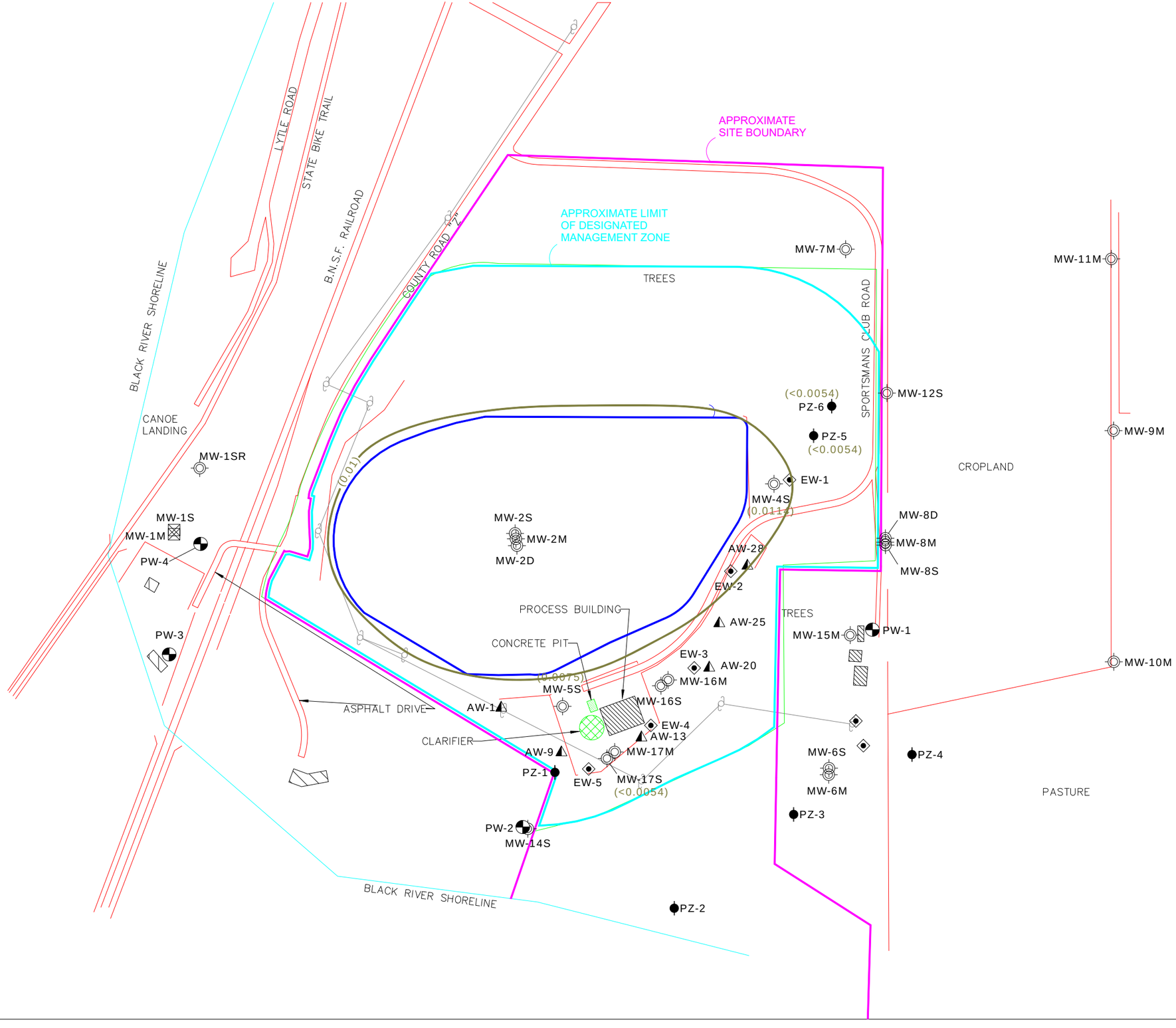
Project No: 1701119

Drawing No:

Scale:	1" = 200'
Drawn By:	SJO
Date Drawn:	12/12/18
Checked By:	JCS
Last Modified:	12/13/18

Sheet: 1 of 1
Fig: 14

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_M_Mn_Apr18



OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_As_Oct18

The OS Group LLC

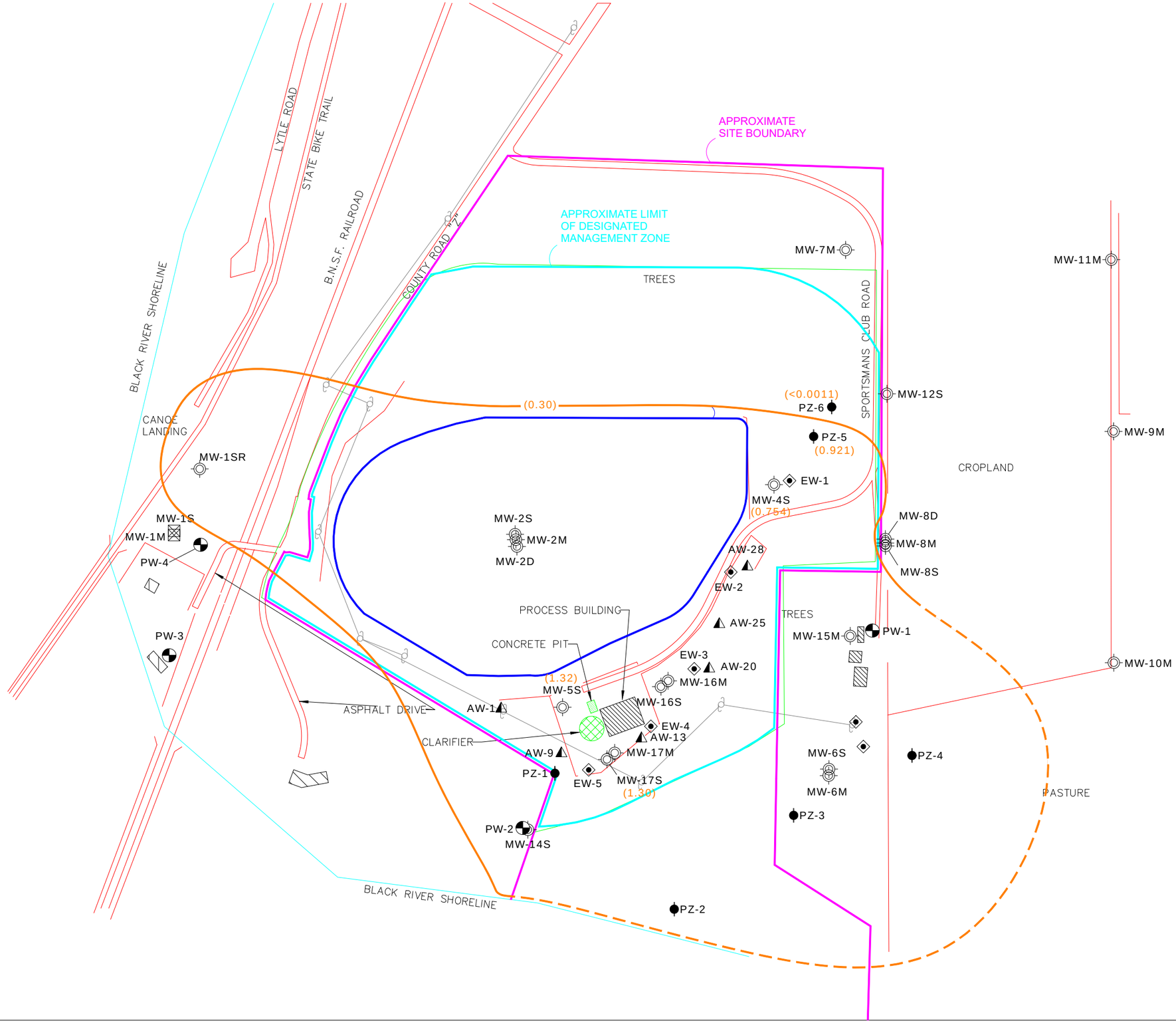
Groundwater Arsenic Isoncentration - Shallow - October 24, 2018
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

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: 15



The OS Group LLC

Groundwater Manganese Isoconcentration - Shallow - October 24, 2018
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: 16

OnalaskaLandfill\WDNR_CADD\Onalaska_Landfill2\GW_Mn_Oct18

APPENDIX A

GROUNDWATER SAMPLING SCHEDULE

Groundwater Sampling Schedule – Onalaska Landfill

The first round of sampling should be conducted as soon as possible, no later than January 15, 2018, and all wells specified for October rounds below should be included in this round (no October 2017 sampling has been conducted). Thereafter, sampling should be conducted in April and October of each contract (and/or extension) year according to the following schedule.

Wells to be sampled for VOCs, metals, alkalinity (April rounds only), total organic carbon, and field parameters are:

April & Oct:	MW-4S, MW-5S, MW-17S, PZ-5, PZ-6
April:	MW-6S, MW-6M, MW-8S, MW-8M, MW-12S, MW-14S, MW-16S, MW-16M

Wells to be sampled for metals, alkalinity, total organic carbon, and field parameters only (no VOCs, except as noted below for 2022) are:

April & Oct:	MW-4S, MW-5S, MW-17S, PZ-5, PZ-6
April:	MW-1SR, MW-2S, MW-2M, MW-6S, MW-6M, MW-7M, MW-8S, MW-8M, MW-9M, MW-10M, MW-11M, MW-12S, MW-14S, MW-15M, MW-16S, MW-16M, MW-17M, PZ-1, PZ-2, PZ-3, PZ-4

Wells to be sampled for VOCs, alkalinity, total organic carbon, and field parameters at 5-year intervals:

April 2022:	MW-2S, MW-2M, MW-7M, MW-9M, MW-11M, MW-15M, MW-17M, PZ-1, PZ-2, PZ-3, PZ-4

Samples for metals analysis shall be field filtered. Field natural attenuation parameters (ORP, dissolved oxygen, pH, specific conductance, and temperature) shall be measured using a down-hole instrument or a flow-through cell, in all monitoring wells from which VOC or metals samples are scheduled to be collected. Groundwater elevations are to be collected in all sampling rounds at the above listed wells.

Up to six nearby private water supply wells shall be sampled during the April rounds of sampling for VOCs and metals only. The purpose of private water supply sampling is to assure protectiveness. Well construction and property owner information will be provided. The contractor will be responsible for access arrangements.

APPENDIX B

Laboratory Analytical Results

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

January 29, 2018

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

RE: Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Dear Steve Osesek:
Enclosed are the analytical results for sample(s) received by the laboratory on January 11, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska

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: ONALASKA LANDFILL
Pace Project No.: 40163386

Green Bay Certification IDs

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

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

SAMPLE SUMMARY

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40163386001	**MW-4S**	Water	01/09/18 11:35	01/11/18 10:05
40163386002	**MW-5S**	Water	01/09/18 12:45	01/11/18 10:05
40163386003	**MW-17S**	Water	01/09/18 13:15	01/11/18 10:05
40163386004	**PZ-5**	Water	01/09/18 15:20	01/11/18 10:05
40163386005	**PZ-6**	Water	01/09/18 15:45	01/11/18 10:05
40163386006	**PZ-5 DUP**	Water	01/09/18 15:30	01/11/18 10:05
40163386007	**TRIP BLANK**	Water	01/09/18 11:00	01/11/18 10:05
40163386008	**MW-1SR**	Water	01/09/18 00:00	01/11/18 10:05
40163386009	**MW-2S**	Water	01/09/18 00:00	01/11/18 10:05
40163386010	**MW-2M**	Water	01/09/18 00:00	01/11/18 10:05
40163386011	**MW-6S**	Water	01/09/18 00:00	01/11/18 10:05
40163386012	**MW-6M**	Water	01/09/18 00:00	01/11/18 10:05
40163386013	**MW-7M**	Water	01/09/18 00:00	01/11/18 10:05
40163386014	**MW-8S**	Water	01/09/18 00:00	01/11/18 10:05
40163386015	**MW-8M**	Water	01/09/18 00:00	01/11/18 10:05
40163386016	**MW-9M**	Water	01/09/18 00:00	01/11/18 10:05
40163386017	**MW-10M**	Water	01/09/18 00:00	01/11/18 10:05
40163386018	**MW-11M**	Water	01/09/18 00:00	01/11/18 10:05
40163386019	**MW-12S**	Water	01/09/18 00:00	01/11/18 10:05
40163386020	**MW-14S**	Water	01/09/18 00:00	01/11/18 10:05
40163386021	**MW-15M**	Water	01/09/18 00:00	01/11/18 10:05
40163386022	**MW-16S**	Water	01/09/18 00:00	01/11/18 10:05
40163386023	**MW-16M**	Water	01/09/18 00:00	01/11/18 10:05
40163386024	**MW-17M**	Water	01/09/18 00:00	01/11/18 10:05
40163386025	**PZ-1**	Water	01/09/18 00:00	01/11/18 10:05
40163386026	**PZ-2**	Water	01/09/18 00:00	01/11/18 10:05
40163386027	**PZ-3**	Water	01/09/18 00:00	01/11/18 10:05
40163386028	**PZ-4**	Water	01/09/18 00:00	01/11/18 10:05

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

SAMPLE ANALYTE COUNT

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40163386001	**MW-4S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			RMW	9	PASI-G
		EPA 310.2	BAF	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40163386002	**MW-5S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			RMW	9	PASI-G
		EPA 310.2	BAF	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40163386003	**MW-17S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			RMW	9	PASI-G
		EPA 310.2	BAF	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40163386004	**PZ-5**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			RMW	9	PASI-G
		EPA 310.2	BAF	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40163386005	**PZ-6**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			RMW	9	PASI-G
		EPA 310.2	BAF	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40163386006	**PZ-5 DUP**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			RMW	9	PASI-G
		EPA 310.2	BAF	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40163386007	**TRIP BLANK**	EPA 8260	HNW	57	PASI-G

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

SAMPLE ANALYTE COUNT

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40163386008	MW-1SR		RMW	1	PASI-G
40163386009	MW-2S		RMW	1	PASI-G
40163386010	MW-2M		RMW	1	PASI-G
40163386011	MW-6S		RMW	1	PASI-G
40163386012	MW-6M		RMW	1	PASI-G
40163386013	MW-7M		RMW	1	PASI-G
40163386014	MW-8S		RMW	1	PASI-G
40163386015	MW-8M		RMW	1	PASI-G
40163386016	MW-9M		RMW	1	PASI-G
40163386017	MW-10M		RMW	1	PASI-G
40163386018	MW-11M		RMW	1	PASI-G
40163386019	MW-12S		RMW	1	PASI-G
40163386020	MW-14S		RMW	1	PASI-G
40163386021	MW-15M		RMW	1	PASI-G
40163386022	MW-16S		RMW	1	PASI-G
40163386023	MW-16M		RMW	1	PASI-G
40163386024	MW-17M		RMW	1	PASI-G
40163386025	PZ-1		RMW	1	PASI-G
40163386026	PZ-2		RMW	1	PASI-G
40163386027	PZ-3		RMW	1	PASI-G
40163386028	PZ-4		RMW	1	PASI-G

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-4S **Lab ID: 40163386001** Collected: 01/09/18 11:35 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**9.4J**	ug/L	20.0	5.4	1		01/23/18 10:38	7440-38-2	
Barium, Dissolved	**266**	ug/L	5.0	1.5	1		01/23/18 10:38	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		01/23/18 10:38	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		01/23/18 10:38	7440-48-4	
Iron, Dissolved	**9640**	ug/L	100	15.5	1		01/23/18 10:38	7439-89-6	
Lead, Dissolved	**4.6J**	ug/L	13.0	4.3	1		01/23/18 10:38	7439-92-1	
Manganese, Dissolved	**801**	ug/L	5.0	1.1	1		01/23/18 10:38	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		01/23/18 10:38	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	01/22/18 11:00	01/23/18 09:48	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/12/18 11:35	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/12/18 11:35	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/12/18 11:35	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/12/18 11:35	75-35-4	
1,2,4-Trimethylbenzene	**271**	ug/L	1.0	0.50	1		01/12/18 11:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/12/18 11:35	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/12/18 11:35	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/12/18 11:35	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/12/18 11:35	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		01/12/18 11:35	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		01/12/18 11:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		01/12/18 11:35	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		01/12/18 11:35	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/12/18 11:35	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		01/12/18 11:35	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	108-90-7	
Chloroethane	**0.69J**	ug/L	1.0	0.37	1		01/12/18 11:35	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/12/18 11:35	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/12/18 11:35	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/12/18 11:35	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/12/18 11:35	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-4S **Lab ID: 40163386001** Collected: 01/09/18 11:35 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**7.6**	ug/L	1.0	0.14	1		01/12/18 11:35	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/12/18 11:35	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/12/18 11:35	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/12/18 11:35	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		01/12/18 11:35	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/12/18 11:35	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/12/18 11:35	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/12/18 11:35	75-01-4	
Xylene (Total)	**2.1J**	ug/L	3.0	1.5	1		01/12/18 11:35	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/12/18 11:35	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 11:35	10061-01-5	
n-Butylbenzene	**5.7**	ug/L	1.0	0.50	1		01/12/18 11:35	104-51-8	
n-Propylbenzene	**13.8**	ug/L	1.0	0.50	1		01/12/18 11:35	103-65-1	
p-Isopropyltoluene	**9.9**	ug/L	1.0	0.50	1		01/12/18 11:35	99-87-6	
sec-Butylbenzene	**17.7**	ug/L	5.0	2.2	1		01/12/18 11:35	135-98-8	
tert-Butylbenzene	**2.0**	ug/L	1.0	0.18	1		01/12/18 11:35	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/12/18 11:35	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/12/18 11:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		01/12/18 11:35	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		01/12/18 11:35	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		01/12/18 11:35	2037-26-5	
Field Data	Analytical Method:								
Field pH	**4.79**	Std. Units			1		01/09/18 11:35		
Field Specific Conductance	**308**	umhos/cm			1		01/09/18 11:35		
Oxygen, Dissolved	**0.16**	mg/L			1		01/09/18 11:35	7782-44-7	
REDOX	**-65.0**	mV			1		01/09/18 11:35		
Turbidity	**N**	NTU			1		01/09/18 11:35		
Static Water Level	**642.67**	feet			1		01/09/18 11:35		
Apparent Color	**N**	no units			1		01/09/18 11:35		
Odor	**N**	no units			1		01/09/18 11:35		
Temperature, Water (C)	**11.62**	deg C			1		01/09/18 11:35		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**149**	mg/L	117	35.2	5		01/18/18 09:03		M0
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.8**	mg/L	0.85	0.25	1		01/26/18 10:57	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.85	0.25	1		01/26/18 10:57	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.85	0.25	1		01/26/18 10:57	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.85	0.25	1		01/26/18 10:57	7440-44-0	
Mean Total Organic Carbon	**1.8**	mg/L	0.85	0.25	1		01/26/18 10:57	7440-44-0	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-5S **Lab ID: 40163386002** Collected: 01/09/18 12:45 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**17.6J**	ug/L	20.0	5.4	1		01/23/18 10:45	7440-38-2	
Barium, Dissolved	**242**	ug/L	5.0	1.5	1		01/23/18 10:45	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		01/23/18 10:45	7440-43-9	
Cobalt, Dissolved	**3.0J**	ug/L	5.0	1.4	1		01/23/18 10:45	7440-48-4	
Iron, Dissolved	**18600**	ug/L	100	15.5	1		01/23/18 10:45	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		01/23/18 10:45	7439-92-1	
Manganese, Dissolved	**1280**	ug/L	5.0	1.1	1		01/23/18 10:45	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		01/23/18 10:45	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	01/22/18 11:00	01/23/18 09:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		01/12/18 11:57	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		01/12/18 11:57	79-00-5	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		01/12/18 11:57	75-34-3	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		01/12/18 11:57	75-35-4	
1,2,4-Trimethylbenzene	**1330**	ug/L	10.0	5.0	10		01/12/18 11:57	95-63-6	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		01/12/18 11:57	96-12-8	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		01/12/18 11:57	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	95-50-1	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		01/12/18 11:57	107-06-2	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		01/12/18 11:57	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	106-46-7	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		01/12/18 11:57	78-93-3	
2-Hexanone	**<11.1**	ug/L	50.0	11.1	10		01/12/18 11:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<21.4**	ug/L	50.0	21.4	10		01/12/18 11:57	108-10-1	
Acetone	**<29.5**	ug/L	200	29.5	10		01/12/18 11:57	67-64-1	
Benzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	71-43-2	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		01/12/18 11:57	74-83-9	
Carbon disulfide	**<6.1**	ug/L	50.0	6.1	10		01/12/18 11:57	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		01/12/18 11:57	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		01/12/18 11:57	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	124-48-1	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		01/12/18 11:57	74-95-3	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		01/12/18 11:57	75-71-8	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		01/12/18 11:57	87-68-3	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-5S **Lab ID: 40163386002** Collected: 01/09/18 12:45 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**63.9**	ug/L	10.0	1.4	10		01/12/18 11:57	98-82-8	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		01/12/18 11:57	1634-04-4	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		01/12/18 11:57	75-09-2	
Naphthalene	**57.9**	ug/L	50.0	25.0	10		01/12/18 11:57	91-20-3	
Styrene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	100-42-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	127-18-4	
Tetrahydrofuran	**<20.3**	ug/L	50.0	20.3	10		01/12/18 11:57	109-99-9	
Toluene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	108-88-3	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		01/12/18 11:57	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		01/12/18 11:57	75-69-4	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		01/12/18 11:57	75-01-4	
Xylene (Total)	**47.1**	ug/L	30.0	15.0	10		01/12/18 11:57	1330-20-7	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		01/12/18 11:57	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 11:57	10061-01-5	
n-Butylbenzene	**13.6**	ug/L	10.0	5.0	10		01/12/18 11:57	104-51-8	
n-Propylbenzene	**104**	ug/L	10.0	5.0	10		01/12/18 11:57	103-65-1	
p-Isopropyltoluene	**11.2**	ug/L	10.0	5.0	10		01/12/18 11:57	99-87-6	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		01/12/18 11:57	135-98-8	
tert-Butylbenzene	**19.3**	ug/L	10.0	1.8	10		01/12/18 11:57	98-06-6	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		01/12/18 11:57	156-60-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		01/12/18 11:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		10		01/12/18 11:57	460-00-4	D3
Dibromofluoromethane (S)	95	%	67-130		10		01/12/18 11:57	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		01/12/18 11:57	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.18**	Std. Units			1		01/09/18 12:45		
Field Specific Conductance	**285**	umhos/cm			1		01/09/18 12:45		
Oxygen, Dissolved	**0.13**	mg/L			1		01/09/18 12:45	7782-44-7	
REDOX	**-59.1**	mV			1		01/09/18 12:45		
Turbidity	**N**	NTU			1		01/09/18 12:45		
Static Water Level	**637.98**	feet			1		01/09/18 12:45		
Apparent Color	**N**	no units			1		01/09/18 12:45		
Odor	**N**	no units			1		01/09/18 12:45		
Temperature, Water (C)	**12.12**	deg C			1		01/09/18 12:45		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**207**	mg/L	47.0	14.1	2		01/18/18 09:05		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**4.9**	mg/L	2.5	0.76	3		01/26/18 11:39	7440-44-0	
Total Organic Carbon	**5.0**	mg/L	2.5	0.76	3		01/26/18 11:39	7440-44-0	
Total Organic Carbon	**5.6**	mg/L	2.5	0.76	3		01/26/18 11:39	7440-44-0	
Total Organic Carbon	**5.7**	mg/L	2.5	0.76	3		01/26/18 11:39	7440-44-0	
Mean Total Organic Carbon	**5.3**	mg/L	2.5	0.76	3		01/26/18 11:39	7440-44-0	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-17S **Lab ID: 40163386003** Collected: 01/09/18 13:15 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**18.3J**	ug/L	20.0	5.4	1		01/23/18 10:48	7440-38-2	
Barium, Dissolved	**220**	ug/L	5.0	1.5	1		01/23/18 10:48	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		01/23/18 10:48	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		01/23/18 10:48	7440-48-4	
Iron, Dissolved	**16300**	ug/L	100	15.5	1		01/23/18 10:48	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		01/23/18 10:48	7439-92-1	
Manganese, Dissolved	**1960**	ug/L	5.0	1.1	1		01/23/18 10:48	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		01/23/18 10:48	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	01/22/18 11:00	01/23/18 09:53	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		01/12/18 12:19	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		01/12/18 12:19	79-00-5	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		01/12/18 12:19	75-34-3	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		01/12/18 12:19	75-35-4	
1,2,4-Trimethylbenzene	**1090**	ug/L	10.0	5.0	10		01/12/18 12:19	95-63-6	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		01/12/18 12:19	96-12-8	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		01/12/18 12:19	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	95-50-1	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		01/12/18 12:19	107-06-2	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		01/12/18 12:19	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	106-46-7	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		01/12/18 12:19	78-93-3	
2-Hexanone	**<11.1**	ug/L	50.0	11.1	10		01/12/18 12:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<21.4**	ug/L	50.0	21.4	10		01/12/18 12:19	108-10-1	
Acetone	**<29.5**	ug/L	200	29.5	10		01/12/18 12:19	67-64-1	
Benzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	71-43-2	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		01/12/18 12:19	74-83-9	
Carbon disulfide	**<6.1**	ug/L	50.0	6.1	10		01/12/18 12:19	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		01/12/18 12:19	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		01/12/18 12:19	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	124-48-1	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		01/12/18 12:19	74-95-3	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		01/12/18 12:19	75-71-8	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		01/12/18 12:19	87-68-3	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-17S **Lab ID: 40163386003** Collected: 01/09/18 13:15 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**13.4**	ug/L	10.0	1.4	10		01/12/18 12:19	98-82-8	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		01/12/18 12:19	1634-04-4	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		01/12/18 12:19	75-09-2	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		01/12/18 12:19	91-20-3	
Styrene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	100-42-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	127-18-4	
Tetrahydrofuran	**<20.3**	ug/L	50.0	20.3	10		01/12/18 12:19	109-99-9	
Toluene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	108-88-3	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		01/12/18 12:19	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		01/12/18 12:19	75-69-4	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		01/12/18 12:19	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		01/12/18 12:19	1330-20-7	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		01/12/18 12:19	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		01/12/18 12:19	10061-01-5	
n-Butylbenzene	**9.7J**	ug/L	10.0	5.0	10		01/12/18 12:19	104-51-8	
n-Propylbenzene	**31.1**	ug/L	10.0	5.0	10		01/12/18 12:19	103-65-1	
p-Isopropyltoluene	**23.4**	ug/L	10.0	5.0	10		01/12/18 12:19	99-87-6	
sec-Butylbenzene	**30.2J**	ug/L	50.0	21.9	10		01/12/18 12:19	135-98-8	
tert-Butylbenzene	**11.2**	ug/L	10.0	1.8	10		01/12/18 12:19	98-06-6	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		01/12/18 12:19	156-60-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		01/12/18 12:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	61-130		10		01/12/18 12:19	460-00-4	D3
Dibromofluoromethane (S)	96	%	67-130		10		01/12/18 12:19	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		01/12/18 12:19	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.48**	Std. Units			1		01/09/18 13:15		
Field Specific Conductance	**291**	umhos/cm			1		01/09/18 13:15		
Oxygen, Dissolved	**0.38**	mg/L			1		01/09/18 13:15	7782-44-7	
REDOX	**-72.0**	mV			1		01/09/18 13:15		
Turbidity	**N**	NTU			1		01/09/18 13:15		
Static Water Level	**643.49**	feet			1		01/09/18 13:15		
Apparent Color	**N**	no units			1		01/09/18 13:15		
Odor	**N**	no units			1		01/09/18 13:15		
Temperature, Water (C)	**10.98**	deg C			1		01/09/18 13:15		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**237**	mg/L	47.0	14.1	2		01/18/18 09:05		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.0**	mg/L	1.7	0.51	2		01/26/18 13:43	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	1.7	0.51	2		01/26/18 13:43	7440-44-0	
Total Organic Carbon	**1.7**	mg/L	1.7	0.51	2		01/26/18 13:43	7440-44-0	
Total Organic Carbon	**1.7J**	mg/L	1.7	0.51	2		01/26/18 13:43	7440-44-0	
Mean Total Organic Carbon	**1.8**	mg/L	1.7	0.51	2		01/26/18 13:43	7440-44-0	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-5 **Lab ID: 40163386004** Collected: 01/09/18 15:20 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**10.9J**	ug/L	20.0	5.4	1		01/23/18 10:50	7440-38-2	
Barium, Dissolved	**155**	ug/L	5.0	1.5	1		01/23/18 10:50	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		01/23/18 10:50	7440-43-9	
Cobalt, Dissolved	**1.6J**	ug/L	5.0	1.4	1		01/23/18 10:50	7440-48-4	
Iron, Dissolved	**6710**	ug/L	100	15.5	1		01/23/18 10:50	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		01/23/18 10:50	7439-92-1	
Manganese, Dissolved	**1260**	ug/L	5.0	1.1	1		01/23/18 10:50	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		01/23/18 10:50	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	01/22/18 11:00	01/23/18 09:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	2.0	0.50	2		01/15/18 14:56	79-34-5	
1,1,2-Trichloroethane	**<0.39**	ug/L	2.0	0.39	2		01/15/18 14:56	79-00-5	
1,1-Dichloroethane	**<0.48**	ug/L	2.0	0.48	2		01/15/18 14:56	75-34-3	
1,1-Dichloroethene	**<0.82**	ug/L	2.0	0.82	2		01/15/18 14:56	75-35-4	
1,2,4-Trimethylbenzene	**240**	ug/L	2.0	1.0	2		01/15/18 14:56	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/L	10.0	4.3	2		01/15/18 14:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.36**	ug/L	2.0	0.36	2		01/15/18 14:56	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	95-50-1	
1,2-Dichloroethane	**<0.34**	ug/L	2.0	0.34	2		01/15/18 14:56	107-06-2	
1,2-Dichloropropane	**<0.47**	ug/L	2.0	0.47	2		01/15/18 14:56	78-87-5	
1,3,5-Trimethylbenzene	**16.4**	ug/L	2.0	1.0	2		01/15/18 14:56	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	106-46-7	
2-Butanone (MEK)	**<6.0**	ug/L	40.0	6.0	2		01/15/18 14:56	78-93-3	
2-Hexanone	**<2.2**	ug/L	10.0	2.2	2		01/15/18 14:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<4.3**	ug/L	10.0	4.3	2		01/15/18 14:56	108-10-1	
Acetone	**<5.9**	ug/L	40.0	5.9	2		01/15/18 14:56	67-64-1	
Benzene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	75-27-4	
Bromoform	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	75-25-2	
Bromomethane	**<4.9**	ug/L	10.0	4.9	2		01/15/18 14:56	74-83-9	
Carbon disulfide	**<1.2**	ug/L	10.0	1.2	2		01/15/18 14:56	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	56-23-5	
Chlorobenzene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	108-90-7	
Chloroethane	**<0.75**	ug/L	2.0	0.75	2		01/15/18 14:56	75-00-3	
Chloroform	**<5.0**	ug/L	10.0	5.0	2		01/15/18 14:56	67-66-3	
Chloromethane	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	124-48-1	
Dibromomethane	**<0.85**	ug/L	2.0	0.85	2		01/15/18 14:56	74-95-3	
Dichlorodifluoromethane	**<0.45**	ug/L	2.0	0.45	2		01/15/18 14:56	75-71-8	
Ethylbenzene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	100-41-4	
Hexachloro-1,3-butadiene	**<4.2**	ug/L	10.0	4.2	2		01/15/18 14:56	87-68-3	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-5 **Lab ID: 40163386004** Collected: 01/09/18 15:20 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**2.1**	ug/L	2.0	0.29	2		01/15/18 14:56	98-82-8	
Methyl-tert-butyl ether	**<0.35**	ug/L	2.0	0.35	2		01/15/18 14:56	1634-04-4	
Methylene Chloride	**<0.47**	ug/L	2.0	0.47	2		01/15/18 14:56	75-09-2	
Naphthalene	**<5.0**	ug/L	10.0	5.0	2		01/15/18 14:56	91-20-3	
Styrene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	127-18-4	
Tetrahydrofuran	**<4.1**	ug/L	10.0	4.1	2		01/15/18 14:56	109-99-9	
Toluene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	108-88-3	
Trichloroethene	**<0.66**	ug/L	2.0	0.66	2		01/15/18 14:56	79-01-6	
Trichlorofluoromethane	**<0.37**	ug/L	2.0	0.37	2		01/15/18 14:56	75-69-4	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		01/15/18 14:56	75-01-4	
Xylene (Total)	**<3.0**	ug/L	6.0	3.0	2		01/15/18 14:56	1330-20-7	
cis-1,2-Dichloroethene	**<0.51**	ug/L	2.0	0.51	2		01/15/18 14:56	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	2.0	1.0	2		01/15/18 14:56	10061-01-5	
n-Butylbenzene	**7.2**	ug/L	2.0	1.0	2		01/15/18 14:56	104-51-8	
n-Propylbenzene	**4.3**	ug/L	2.0	1.0	2		01/15/18 14:56	103-65-1	
p-Isopropyltoluene	**12.1**	ug/L	2.0	1.0	2		01/15/18 14:56	99-87-6	
sec-Butylbenzene	**16.9**	ug/L	10.0	4.4	2		01/15/18 14:56	135-98-8	
tert-Butylbenzene	**3.2**	ug/L	2.0	0.36	2		01/15/18 14:56	98-06-6	
trans-1,2-Dichloroethene	**<0.51**	ug/L	2.0	0.51	2		01/15/18 14:56	156-60-5	
trans-1,3-Dichloropropene	**<0.46**	ug/L	2.0	0.46	2		01/15/18 14:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		2		01/15/18 14:56	460-00-4	D3
Dibromofluoromethane (S)	105	%	67-130		2		01/15/18 14:56	1868-53-7	
Toluene-d8 (S)	94	%	70-130		2		01/15/18 14:56	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.95**	Std. Units			1		01/09/18 15:20		
Field Specific Conductance	**233**	umhos/cm			1		01/09/18 15:20		
Oxygen, Dissolved	**0.46**	mg/L			1		01/09/18 15:20	7782-44-7	
REDOX	**-71.0**	mV			1		01/09/18 15:20		
Turbidity	**N**	NTU			1		01/09/18 15:20		
Static Water Level	**643.78**	feet			1		01/09/18 15:20		
Apparent Color	**N**	no units			1		01/09/18 15:20		
Odor	**N**	no units			1		01/09/18 15:20		
Temperature, Water (C)	**11.03**	deg C			1		01/09/18 15:20		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**189**	mg/L	47.0	14.1	2		01/18/18 09:06		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.1**	mg/L	0.85	0.25	1		01/26/18 14:25	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.85	0.25	1		01/26/18 14:25	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.85	0.25	1		01/26/18 14:25	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.85	0.25	1		01/26/18 14:25	7440-44-0	
Mean Total Organic Carbon	**1.1**	mg/L	0.85	0.25	1		01/26/18 14:25	7440-44-0	

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(920)469-2436

ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-6 **Lab ID: 40163386005** Collected: 01/09/18 15:45 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		01/23/18 10:52	7440-38-2	
Barium, Dissolved	**26.2**	ug/L	5.0	1.5	1		01/23/18 10:52	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		01/23/18 10:52	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		01/23/18 10:52	7440-48-4	
Iron, Dissolved	**<15.5**	ug/L	100	15.5	1		01/23/18 10:52	7439-89-6	
Lead, Dissolved	**7.4J**	ug/L	13.0	4.3	1		01/23/18 10:52	7439-92-1	
Manganese, Dissolved	**<1.1**	ug/L	5.0	1.1	1		01/23/18 10:52	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		01/23/18 10:52	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	01/22/18 11:00	01/23/18 10:02	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/12/18 17:25	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/12/18 17:25	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/12/18 17:25	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/12/18 17:25	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/12/18 17:25	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/12/18 17:25	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/12/18 17:25	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/12/18 17:25	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		01/12/18 17:25	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		01/12/18 17:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		01/12/18 17:25	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		01/12/18 17:25	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/12/18 17:25	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		01/12/18 17:25	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/12/18 17:25	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/12/18 17:25	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/12/18 17:25	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/12/18 17:25	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/12/18 17:25	87-68-3	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-6 **Lab ID: 40163386005** Collected: 01/09/18 15:45 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/12/18 17:25	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/12/18 17:25	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/12/18 17:25	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/12/18 17:25	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		01/12/18 17:25	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/12/18 17:25	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/12/18 17:25	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/12/18 17:25	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		01/12/18 17:25	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/12/18 17:25	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:25	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/12/18 17:25	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/12/18 17:25	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/12/18 17:25	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/12/18 17:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		01/12/18 17:25	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		01/12/18 17:25	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		01/12/18 17:25	2037-26-5	
Field Data	Analytical Method:								
Field pH	**7.15**	Std. Units			1		01/09/18 15:45		
Field Specific Conductance	**261**	umhos/cm			1		01/09/18 15:45		
Oxygen, Dissolved	**4.96**	mg/L			1		01/09/18 15:45	7782-44-7	
REDOX	**-32.0**	mV			1		01/09/18 15:45		
Turbidity	**N**	NTU			1		01/09/18 15:45		
Static Water Level	**641.69**	feet			1		01/09/18 15:45		
Apparent Color	**N**	no units			1		01/09/18 15:45		
Odor	**N**	no units			1		01/09/18 15:45		
Temperature, Water (C)	**10.79**	deg C			1		01/09/18 15:45		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**221**	mg/L	23.5	7.0	1		01/18/18 09:06		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**0.69J**	mg/L	0.85	0.25	1		01/26/18 15:06	7440-44-0	
Total Organic Carbon	**0.69J**	mg/L	0.85	0.25	1		01/26/18 15:06	7440-44-0	
Total Organic Carbon	**0.70J**	mg/L	0.85	0.25	1		01/26/18 15:06	7440-44-0	
Total Organic Carbon	**0.70J**	mg/L	0.85	0.25	1		01/26/18 15:06	7440-44-0	
Mean Total Organic Carbon	**0.70J**	mg/L	0.85	0.25	1		01/26/18 15:06	7440-44-0	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-5 DUP **Lab ID: 40163386006** Collected: 01/09/18 15:30 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		01/23/18 10:55	7440-38-2	
Barium, Dissolved	**157**	ug/L	5.0	1.5	1		01/23/18 10:55	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		01/23/18 10:55	7440-43-9	
Cobalt, Dissolved	**2.6J**	ug/L	5.0	1.4	1		01/23/18 10:55	7440-48-4	
Iron, Dissolved	**6710**	ug/L	100	15.5	1		01/23/18 10:55	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		01/23/18 10:55	7439-92-1	
Manganese, Dissolved	**1280**	ug/L	5.0	1.1	1		01/23/18 10:55	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		01/23/18 10:55	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	01/22/18 11:00	01/23/18 10:05	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.2**	ug/L	5.0	1.2	5		01/12/18 13:03	79-34-5	
1,1,2-Trichloroethane	**<0.99**	ug/L	5.0	0.99	5		01/12/18 13:03	79-00-5	
1,1-Dichloroethane	**<1.2**	ug/L	5.0	1.2	5		01/12/18 13:03	75-34-3	
1,1-Dichloroethene	**<2.1**	ug/L	5.0	2.1	5		01/12/18 13:03	75-35-4	
1,2,4-Trimethylbenzene	**339**	ug/L	5.0	2.5	5		01/12/18 13:03	95-63-6	
1,2-Dibromo-3-chloropropane	**<10.8**	ug/L	25.0	10.8	5		01/12/18 13:03	96-12-8	
1,2-Dibromoethane (EDB)	**<0.89**	ug/L	5.0	0.89	5		01/12/18 13:03	106-93-4	
1,2-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	95-50-1	
1,2-Dichloroethane	**<0.84**	ug/L	5.0	0.84	5		01/12/18 13:03	107-06-2	
1,2-Dichloropropane	**<1.2**	ug/L	5.0	1.2	5		01/12/18 13:03	78-87-5	
1,3,5-Trimethylbenzene	**36.9**	ug/L	5.0	2.5	5		01/12/18 13:03	108-67-8	
1,3-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	541-73-1	
1,4-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	106-46-7	
2-Butanone (MEK)	**<14.9**	ug/L	100	14.9	5		01/12/18 13:03	78-93-3	
2-Hexanone	**<5.6**	ug/L	25.0	5.6	5		01/12/18 13:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<10.7**	ug/L	25.0	10.7	5		01/12/18 13:03	108-10-1	
Acetone	**<14.8**	ug/L	100	14.8	5		01/12/18 13:03	67-64-1	
Benzene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	71-43-2	
Bromodichloromethane	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	75-27-4	
Bromoform	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	75-25-2	
Bromomethane	**<12.2**	ug/L	25.0	12.2	5		01/12/18 13:03	74-83-9	
Carbon disulfide	**<3.1**	ug/L	25.0	3.1	5		01/12/18 13:03	75-15-0	
Carbon tetrachloride	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	56-23-5	
Chlorobenzene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	108-90-7	
Chloroethane	**<1.9**	ug/L	5.0	1.9	5		01/12/18 13:03	75-00-3	
Chloroform	**<12.5**	ug/L	25.0	12.5	5		01/12/18 13:03	67-66-3	
Chloromethane	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	74-87-3	
Dibromochloromethane	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	124-48-1	
Dibromomethane	**<2.1**	ug/L	5.0	2.1	5		01/12/18 13:03	74-95-3	
Dichlorodifluoromethane	**<1.1**	ug/L	5.0	1.1	5		01/12/18 13:03	75-71-8	
Ethylbenzene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	100-41-4	
Hexachloro-1,3-butadiene	**<10.5**	ug/L	25.0	10.5	5		01/12/18 13:03	87-68-3	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-5 DUP **Lab ID: 40163386006** Collected: 01/09/18 15:30 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**2.9J**	ug/L	5.0	0.72	5		01/12/18 13:03	98-82-8	
Methyl-tert-butyl ether	**<0.87**	ug/L	5.0	0.87	5		01/12/18 13:03	1634-04-4	
Methylene Chloride	**<1.2**	ug/L	5.0	1.2	5		01/12/18 13:03	75-09-2	
Naphthalene	**<12.5**	ug/L	25.0	12.5	5		01/12/18 13:03	91-20-3	
Styrene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	100-42-5	
Tetrachloroethene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	127-18-4	
Tetrahydrofuran	**<10.2**	ug/L	25.0	10.2	5		01/12/18 13:03	109-99-9	
Toluene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	108-88-3	
Trichloroethene	**<1.7**	ug/L	5.0	1.7	5		01/12/18 13:03	79-01-6	
Trichlorofluoromethane	**<0.92**	ug/L	5.0	0.92	5		01/12/18 13:03	75-69-4	
Vinyl chloride	**<0.88**	ug/L	5.0	0.88	5		01/12/18 13:03	75-01-4	
Xylene (Total)	**<7.5**	ug/L	15.0	7.5	5		01/12/18 13:03	1330-20-7	
cis-1,2-Dichloroethene	**<1.3**	ug/L	5.0	1.3	5		01/12/18 13:03	156-59-2	
cis-1,3-Dichloropropene	**<2.5**	ug/L	5.0	2.5	5		01/12/18 13:03	10061-01-5	
n-Butylbenzene	**8.7**	ug/L	5.0	2.5	5		01/12/18 13:03	104-51-8	
n-Propylbenzene	**6.5**	ug/L	5.0	2.5	5		01/12/18 13:03	103-65-1	
p-Isopropyltoluene	**14.3**	ug/L	5.0	2.5	5		01/12/18 13:03	99-87-6	
sec-Butylbenzene	**19.2J**	ug/L	25.0	10.9	5		01/12/18 13:03	135-98-8	
tert-Butylbenzene	**5.0**	ug/L	5.0	0.90	5		01/12/18 13:03	98-06-6	
trans-1,2-Dichloroethene	**<1.3**	ug/L	5.0	1.3	5		01/12/18 13:03	156-60-5	
trans-1,3-Dichloropropene	**<1.1**	ug/L	5.0	1.1	5		01/12/18 13:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		5		01/12/18 13:03	460-00-4	D3
Dibromofluoromethane (S)	99	%	67-130		5		01/12/18 13:03	1868-53-7	
Toluene-d8 (S)	98	%	70-130		5		01/12/18 13:03	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.95**	Std. Units			1		01/09/18 15:30		
Field Specific Conductance	**233**	umhos/cm			1		01/09/18 15:30		
Oxygen, Dissolved	**0.46**	mg/L			1		01/09/18 15:30	7782-44-7	
REDOX	**-71.0**	mV			1		01/09/18 15:30		
Turbidity	**N**	NTU			1		01/09/18 15:30		
Static Water Level	**643.78**	feet			1		01/09/18 15:30		
Apparent Color	**N**	no units			1		01/09/18 15:30		
Odor	**N**	no units			1		01/09/18 15:30		
Temperature, Water (C)	**11.03**	deg C			1		01/09/18 15:30		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**201**	mg/L	47.0	14.1	2		01/18/18 09:07		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.2**	mg/L	0.85	0.25	1		01/26/18 15:48	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.85	0.25	1		01/26/18 15:48	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.85	0.25	1		01/26/18 15:48	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.85	0.25	1		01/26/18 15:48	7440-44-0	
Mean Total Organic Carbon	**1.2**	mg/L	0.85	0.25	1		01/26/18 15:48	7440-44-0	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: TRIP BLANK **Lab ID: 40163386007** Collected: 01/09/18 11:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/12/18 17:47	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/12/18 17:47	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/12/18 17:47	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/12/18 17:47	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/12/18 17:47	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/12/18 17:47	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/12/18 17:47	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/12/18 17:47	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		01/12/18 17:47	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		01/12/18 17:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		01/12/18 17:47	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		01/12/18 17:47	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/12/18 17:47	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		01/12/18 17:47	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/12/18 17:47	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/12/18 17:47	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/12/18 17:47	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/12/18 17:47	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/12/18 17:47	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/12/18 17:47	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/12/18 17:47	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/12/18 17:47	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/12/18 17:47	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		01/12/18 17:47	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/12/18 17:47	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/12/18 17:47	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/12/18 17:47	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		01/12/18 17:47	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/12/18 17:47	156-59-2	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: TRIP BLANK **Lab ID: 40163386007** Collected: 01/09/18 11:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/12/18 17:47	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/12/18 17:47	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/12/18 17:47	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/12/18 17:47	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/12/18 17:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		01/12/18 17:47	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		01/12/18 17:47	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		01/12/18 17:47	2037-26-5	

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-1SR **Lab ID: 40163386008** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**646.45**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-2S **Lab ID: 40163386009** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**635.75**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-2M **Lab ID: 40163386010** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**634.98**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-6S **Lab ID: 40163386011** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**641.68**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-6M **Lab ID: 40163386012** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**641.80**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-7M **Lab ID: 40163386013** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**562.99**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-8S **Lab ID: 40163386014** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**641.70**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-8M **Lab ID: 40163386015** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**641.70**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-9M **Lab ID: 40163386016** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.96**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-10M **Lab ID: 40163386017** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**641.95**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-11M **Lab ID: 40163386018** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**642.12**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-12S **Lab ID: 40163386019** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**642.12**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-14S **Lab ID: 40163386020** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**641.81**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-15M **Lab ID: 40163386021** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.29**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-16S **Lab ID: 40163386022** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.42**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-16M **Lab ID: 40163386023** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.44**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: MW-17M **Lab ID: 40163386024** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.57**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-1 **Lab ID: 40163386025** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.45**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-2 **Lab ID: 40163386026** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.28**	feet			1		01/09/18 00:00		

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ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-3 **Lab ID: 40163386027** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.56**	feet			1		01/09/18 00:00		

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Sample: PZ-4 **Lab ID: 40163386028** Collected: 01/09/18 00:00 Received: 01/11/18 10:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.34**	feet			1		01/09/18 00:00		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

QC Batch: 279582 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386004, 40163386005, 40163386006

METHOD BLANK: 1641079 Matrix: Water
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386004, 40163386005, 40163386006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<5.4	20.0	01/23/18 10:33	
Barium, Dissolved	ug/L	<1.5	5.0	01/23/18 10:33	
Cadmium, Dissolved	ug/L	<1.3	5.0	01/23/18 10:33	
Cobalt, Dissolved	ug/L	<1.4	5.0	01/23/18 10:33	
Iron, Dissolved	ug/L	<15.5	100	01/23/18 10:33	
Lead, Dissolved	ug/L	<4.3	13.0	01/23/18 10:33	
Manganese, Dissolved	ug/L	<1.1	5.0	01/23/18 10:33	
Vanadium, Dissolved	ug/L	<2.2	10.0	01/23/18 10:33	

LABORATORY CONTROL SAMPLE: 1641080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	505	101	80-120	
Barium, Dissolved	ug/L	500	513	103	80-120	
Cadmium, Dissolved	ug/L	500	513	103	80-120	
Cobalt, Dissolved	ug/L	500	518	104	80-120	
Iron, Dissolved	ug/L	5000	5090	102	80-120	
Lead, Dissolved	ug/L	500	518	104	80-120	
Manganese, Dissolved	ug/L	500	516	103	80-120	
Vanadium, Dissolved	ug/L	500	506	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1641081 1641082

Parameter	Units	40163386001 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	9.4J	500	500	533	526	105	103	75-125	1	20	
Barium, Dissolved	ug/L	266	500	500	767	771	100	101	75-125	0	20	
Cadmium, Dissolved	ug/L	<1.3	500	500	523	519	105	104	75-125	1	20	
Cobalt, Dissolved	ug/L	<1.4	500	500	519	516	104	103	75-125	1	20	
Iron, Dissolved	ug/L	9640	5000	5000	14300	14500	93	98	75-125	2	20	
Lead, Dissolved	ug/L	4.6J	500	500	518	522	103	103	75-125	1	20	
Manganese, Dissolved	ug/L	801	500	500	1290	1280	98	96	75-125	1	20	
Vanadium, Dissolved	ug/L	<2.2	500	500	507	510	101	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

QC Batch: 279511 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386004, 40163386005, 40163386006

METHOD BLANK: 1640884 Matrix: Water
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386004, 40163386005, 40163386006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.13	0.42	01/23/18 09:23	

LABORATORY CONTROL SAMPLE: 1640885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1640886 1640887

Parameter	Units	40163382001 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	0.33J	5	5	5.4	5.4	101	102	85-115	1	20	

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

QC Batch: 278969 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386005, 40163386006, 40163386007

METHOD BLANK: 1638157 Matrix: Water
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386005, 40163386006, 40163386007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	01/12/18 09:46	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	01/12/18 09:46	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	01/12/18 09:46	
1,1-Dichloroethane	ug/L	<0.24	1.0	01/12/18 09:46	
1,1-Dichloroethene	ug/L	<0.41	1.0	01/12/18 09:46	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	01/12/18 09:46	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	01/12/18 09:46	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	01/12/18 09:46	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	01/12/18 09:46	
1,2-Dichloroethane	ug/L	<0.17	1.0	01/12/18 09:46	
1,2-Dichloropropane	ug/L	<0.23	1.0	01/12/18 09:46	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	01/12/18 09:46	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	01/12/18 09:46	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	01/12/18 09:46	
2-Butanone (MEK)	ug/L	<3.0	20.0	01/12/18 09:46	
2-Hexanone	ug/L	<1.1	5.0	01/12/18 09:46	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	01/12/18 09:46	
Acetone	ug/L	<3.0	20.0	01/12/18 09:46	
Benzene	ug/L	<0.50	1.0	01/12/18 09:46	
Bromodichloromethane	ug/L	<0.50	1.0	01/12/18 09:46	
Bromoform	ug/L	<0.50	1.0	01/12/18 09:46	
Bromomethane	ug/L	<2.4	5.0	01/12/18 09:46	
Carbon disulfide	ug/L	<0.61	5.0	01/12/18 09:46	
Carbon tetrachloride	ug/L	<0.50	1.0	01/12/18 09:46	
Chlorobenzene	ug/L	<0.50	1.0	01/12/18 09:46	
Chloroethane	ug/L	<0.37	1.0	01/12/18 09:46	
Chloroform	ug/L	<2.5	5.0	01/12/18 09:46	
Chloromethane	ug/L	<0.50	1.0	01/12/18 09:46	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	01/12/18 09:46	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	01/12/18 09:46	
Dibromochloromethane	ug/L	<0.50	1.0	01/12/18 09:46	
Dibromomethane	ug/L	<0.43	1.0	01/12/18 09:46	
Dichlorodifluoromethane	ug/L	<0.22	1.0	01/12/18 09:46	
Ethylbenzene	ug/L	<0.50	1.0	01/12/18 09:46	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	01/12/18 09:46	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	01/12/18 09:46	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	01/12/18 09:46	
Methylene Chloride	ug/L	<0.23	1.0	01/12/18 09:46	
n-Butylbenzene	ug/L	<0.50	1.0	01/12/18 09:46	
n-Propylbenzene	ug/L	<0.50	1.0	01/12/18 09:46	
Naphthalene	ug/L	<2.5	5.0	01/12/18 09:46	

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

METHOD BLANK: 1638157 Matrix: Water
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386005, 40163386006, 40163386007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
p-Isopropyltoluene	ug/L	<0.50	1.0	01/12/18 09:46	
sec-Butylbenzene	ug/L	<2.2	5.0	01/12/18 09:46	
Styrene	ug/L	<0.50	1.0	01/12/18 09:46	
tert-Butylbenzene	ug/L	<0.18	1.0	01/12/18 09:46	
Tetrachloroethene	ug/L	<0.50	1.0	01/12/18 09:46	
Tetrahydrofuran	ug/L	<2.0	5.0	01/12/18 09:46	
Toluene	ug/L	<0.50	1.0	01/12/18 09:46	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	01/12/18 09:46	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	01/12/18 09:46	
Trichloroethene	ug/L	<0.33	1.0	01/12/18 09:46	
Trichlorofluoromethane	ug/L	<0.18	1.0	01/12/18 09:46	
Vinyl chloride	ug/L	<0.18	1.0	01/12/18 09:46	
Xylene (Total)	ug/L	<1.5	3.0	01/12/18 09:46	
4-Bromofluorobenzene (S)	%	97	61-130	01/12/18 09:46	
Dibromofluoromethane (S)	%	93	67-130	01/12/18 09:46	
Toluene-d8 (S)	%	97	70-130	01/12/18 09:46	

LABORATORY CONTROL SAMPLE: 1638158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.4	99	70-130	
1,1,2-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1-Dichloroethane	ug/L	50	53.5	107	71-132	
1,1-Dichloroethene	ug/L	50	54.1	108	75-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.8	92	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	50.0	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,2-Dichloroethane	ug/L	50	48.1	96	70-131	
1,2-Dichloropropane	ug/L	50	48.8	98	80-120	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	49.4	99	70-130	
Benzene	ug/L	50	50.1	100	73-145	
Bromodichloromethane	ug/L	50	50.3	101	70-130	
Bromoform	ug/L	50	45.3	91	67-130	
Bromomethane	ug/L	50	30.5	61	26-128	
Carbon disulfide	ug/L	50	52.7	105	72-156	
Carbon tetrachloride	ug/L	50	45.8	92	70-133	
Chlorobenzene	ug/L	50	50.3	101	70-130	
Chloroethane	ug/L	50	47.6	95	58-120	
Chloroform	ug/L	50	49.4	99	80-121	
Chloromethane	ug/L	50	32.0	64	40-127	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.5	99	70-130	

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

LABORATORY CONTROL SAMPLE: 1638158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	47.3	95	70-130	
Dichlorodifluoromethane	ug/L	50	18.3	37	20-135	
Ethylbenzene	ug/L	50	50.7	101	87-129	
Isopropylbenzene (Cumene)	ug/L	50	51.6	103	70-130	
Methyl-tert-butyl ether	ug/L	50	53.2	106	66-143	
Methylene Chloride	ug/L	50	53.1	106	70-130	
Styrene	ug/L	50	50.5	101	70-130	
Tetrachloroethene	ug/L	50	49.0	98	70-130	
Toluene	ug/L	50	50.5	101	82-130	
trans-1,2-Dichloroethene	ug/L	50	53.2	106	75-132	
trans-1,3-Dichloropropene	ug/L	50	45.5	91	70-130	
Trichloroethene	ug/L	50	52.0	104	70-130	
Trichlorofluoromethane	ug/L	50	50.2	100	76-133	
Vinyl chloride	ug/L	50	38.2	76	57-136	
Xylene (Total)	ug/L	150	152	101	70-130	
4-Bromofluorobenzene (S)	%			98	61-130	
Dibromofluoromethane (S)	%			94	67-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1638218 1638219

Parameter	Units	40163386001 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	<0.50	500	500	509	505	102	101	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	500	500	496	517	99	103	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.20	500	500	530	521	106	104	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.24	500	500	545	551	109	110	71-133	1	20	
1,1-Dichloroethene	ug/L	<0.41	500	500	537	549	107	110	75-136	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	500	500	448	473	90	95	63-123	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	500	500	511	520	102	104	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.50	500	500	506	516	101	103	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.17	500	500	488	497	98	99	70-131	2	20	
1,2-Dichloropropane	ug/L	<0.23	500	500	490	488	98	98	80-120	0	20	
1,3-Dichlorobenzene	ug/L	<0.50	500	500	514	523	103	105	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	500	500	498	500	99	100	70-130	0	20	
Benzene	ug/L	<0.50	500	500	510	513	102	103	73-145	1	20	
Bromodichloromethane	ug/L	<0.50	500	500	514	514	103	103	70-130	0	20	
Bromoform	ug/L	<0.50	500	500	474	470	95	94	67-130	1	20	
Bromomethane	ug/L	<2.4	500	500	331	345	66	69	26-129	4	20	
Carbon disulfide	ug/L	<0.61	500	500	531	543	106	108	72-156	2	30	
Carbon tetrachloride	ug/L	<0.50	500	500	469	474	94	95	70-134	1	20	
Chlorobenzene	ug/L	<0.50	500	500	510	507	102	101	70-130	0	20	
Chloroethane	ug/L	0.69J	500	500	456	472	91	94	58-120	3	20	
Chloroform	ug/L	<2.5	500	500	495	558	99	112	80-121	12	20	

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1638218 1638219

Parameter	Units	40163386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloromethane	ug/L	<0.50	500	500	311	321	62	64	40-128	3	20	
cis-1,2-Dichloroethene	ug/L	<0.26	500	500	494	544	99	109	70-130	9	20	
cis-1,3-Dichloropropene	ug/L	<0.50	500	500	503	513	101	103	70-130	2	20	
Dibromochloromethane	ug/L	<0.50	500	500	481	479	96	96	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	500	500	183	187	37	37	20-146	2	20	
Ethylbenzene	ug/L	<0.50	500	500	515	504	103	101	87-129	2	20	
Isopropylbenzene (Cumene)	ug/L	7.6	500	500	533	524	105	103	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<0.17	500	500	542	549	108	110	66-143	1	20	
Methylene Chloride	ug/L	<0.23	500	500	542	534	108	107	70-130	1	20	
Styrene	ug/L	<0.50	500	500	511	506	102	101	70-130	1	20	
Tetrachloroethene	ug/L	<0.50	500	500	501	491	100	98	70-130	2	20	
Toluene	ug/L	<0.50	500	500	506	504	101	101	82-131	0	20	
trans-1,2-Dichloroethene	ug/L	<0.26	500	500	544	543	109	109	75-135	0	20	
trans-1,3-Dichloropropene	ug/L	<0.23	500	500	474	462	95	92	70-130	3	20	
Trichloroethene	ug/L	<0.33	500	500	517	509	103	102	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.18	500	500	507	513	101	103	76-150	1	20	
Vinyl chloride	ug/L	<0.18	500	500	387	401	77	80	56-143	3	20	
Xylene (Total)	ug/L	2.1J	1500	1500	1530	1510	102	101	70-130	1	20	
4-Bromofluorobenzene (S)	%						97	97	61-130			
Dibromofluoromethane (S)	%						97	99	67-130			
Toluene-d8 (S)	%						98	95	70-130			

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

QC Batch: 279069
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 40163386004

METHOD BLANK: 1638744
Matrix: Water
Associated Lab Samples: 40163386004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	01/15/18 12:41	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	01/15/18 12:41	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	01/15/18 12:41	
1,1-Dichloroethane	ug/L	<0.24	1.0	01/15/18 12:41	
1,1-Dichloroethene	ug/L	<0.41	1.0	01/15/18 12:41	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	01/15/18 12:41	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	01/15/18 12:41	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	01/15/18 12:41	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	01/15/18 12:41	
1,2-Dichloroethane	ug/L	<0.17	1.0	01/15/18 12:41	
1,2-Dichloropropane	ug/L	<0.23	1.0	01/15/18 12:41	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	01/15/18 12:41	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	01/15/18 12:41	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	01/15/18 12:41	
2-Butanone (MEK)	ug/L	<3.0	20.0	01/15/18 12:41	
Acetone	ug/L	<3.0	20.0	01/15/18 12:41	
Benzene	ug/L	<0.50	1.0	01/15/18 12:41	
Bromodichloromethane	ug/L	<0.50	1.0	01/15/18 12:41	
Bromoform	ug/L	<0.50	1.0	01/15/18 12:41	
Bromomethane	ug/L	<2.4	5.0	01/15/18 12:41	
Carbon disulfide	ug/L	<0.61	5.0	01/15/18 12:41	
Carbon tetrachloride	ug/L	<0.50	1.0	01/15/18 12:41	
Chlorobenzene	ug/L	<0.50	1.0	01/15/18 12:41	
Chloroethane	ug/L	<0.37	1.0	01/15/18 12:41	
Chloroform	ug/L	<2.5	5.0	01/15/18 12:41	
Chloromethane	ug/L	<0.50	1.0	01/15/18 12:41	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	01/15/18 12:41	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	01/15/18 12:41	
Dibromochloromethane	ug/L	<0.50	1.0	01/15/18 12:41	
Dibromomethane	ug/L	<0.43	1.0	01/15/18 12:41	
Dichlorodifluoromethane	ug/L	<0.22	1.0	01/15/18 12:41	
Ethylbenzene	ug/L	<0.50	1.0	01/15/18 12:41	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	01/15/18 12:41	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	01/15/18 12:41	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	01/15/18 12:41	
Methylene Chloride	ug/L	<0.23	1.0	01/15/18 12:41	
n-Butylbenzene	ug/L	<0.50	1.0	01/15/18 12:41	
n-Propylbenzene	ug/L	<0.50	1.0	01/15/18 12:41	
Naphthalene	ug/L	<2.5	5.0	01/15/18 12:41	
p-Isopropyltoluene	ug/L	<0.50	1.0	01/15/18 12:41	
sec-Butylbenzene	ug/L	<2.2	5.0	01/15/18 12:41	

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(920)469-2436

QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

METHOD BLANK: 1638744 Matrix: Water
Associated Lab Samples: 40163386004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Styrene	ug/L	<0.50	1.0	01/15/18 12:41	
tert-Butylbenzene	ug/L	<0.18	1.0	01/15/18 12:41	
Tetrachloroethene	ug/L	<0.50	1.0	01/15/18 12:41	
Tetrahydrofuran	ug/L	<2.0	5.0	01/15/18 12:41	
Toluene	ug/L	<0.50	1.0	01/15/18 12:41	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	01/15/18 12:41	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	01/15/18 12:41	
Trichloroethene	ug/L	<0.33	1.0	01/15/18 12:41	
Trichlorofluoromethane	ug/L	<0.18	1.0	01/15/18 12:41	
Vinyl chloride	ug/L	<0.18	1.0	01/15/18 12:41	
Xylene (Total)	ug/L	<1.5	3.0	01/15/18 12:41	
4-Bromofluorobenzene (S)	%	86	61-130	01/15/18 12:41	
Dibromofluoromethane (S)	%	105	67-130	01/15/18 12:41	
Toluene-d8 (S)	%	93	70-130	01/15/18 12:41	

LABORATORY CONTROL SAMPLE: 1638745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.0	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	42.1	84	70-130	
1,1,2-Trichloroethane	ug/L	50	47.2	94	70-130	
1,1-Dichloroethane	ug/L	50	42.6	85	71-132	
1,1-Dichloroethene	ug/L	50	41.1	82	75-130	
1,2-Dibromo-3-chloropropane	ug/L	50	34.6	69	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	46.0	92	70-130	
1,2-Dichlorobenzene	ug/L	50	48.9	98	70-130	
1,2-Dichloroethane	ug/L	50	41.4	83	70-131	
1,2-Dichloropropane	ug/L	50	43.9	88	80-120	
1,3-Dichlorobenzene	ug/L	50	48.2	96	70-130	
1,4-Dichlorobenzene	ug/L	50	49.4	99	70-130	
Benzene	ug/L	50	44.8	90	73-145	
Bromodichloromethane	ug/L	50	47.7	95	70-130	
Bromoform	ug/L	50	56.4	113	67-130	
Bromomethane	ug/L	50	31.6	63	26-128	
Carbon disulfide	ug/L	50	38.8	78	72-156	
Carbon tetrachloride	ug/L	50	51.8	104	70-133	
Chlorobenzene	ug/L	50	54.0	108	70-130	
Chloroethane	ug/L	50	36.2	72	58-120	
Chloroform	ug/L	50	50.0	100	80-121	
Chloromethane	ug/L	50	23.3	47	40-127	
cis-1,2-Dichloroethene	ug/L	50	42.0	84	70-130	
cis-1,3-Dichloropropene	ug/L	50	42.6	85	70-130	
Dibromochloromethane	ug/L	50	55.8	112	70-130	
Dichlorodifluoromethane	ug/L	50	15.5	31	20-135	

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(920)469-2436

QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

LABORATORY CONTROL SAMPLE: 1638745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	50.5	101	87-129	
Isopropylbenzene (Cumene)	ug/L	50	54.7	109	70-130	
Methyl-tert-butyl ether	ug/L	50	38.1	76	66-143	
Methylene Chloride	ug/L	50	37.8	76	70-130	
Styrene	ug/L	50	54.0	108	70-130	
Tetrachloroethene	ug/L	50	51.3	103	70-130	
Toluene	ug/L	50	48.9	98	82-130	
trans-1,2-Dichloroethene	ug/L	50	41.1	82	75-132	
trans-1,3-Dichloropropene	ug/L	50	44.0	88	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	45.2	90	76-133	
Vinyl chloride	ug/L	50	28.5	57	57-136	
Xylene (Total)	ug/L	150	160	107	70-130	
4-Bromofluorobenzene (S)	%			96	61-130	
Dibromofluoromethane (S)	%			103	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1638896 1638897

Parameter	Units	40163465004 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	<0.50	50	50	52.0	53.2	104	106	70-134	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	44.1	42.4	88	85	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	49.2	50.4	98	101	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	44.9	45.1	90	90	71-133	1	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	48.5	50.3	97	101	75-136	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	34.5	35.0	69	70	63-123	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	46.7	49.8	93	100	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.4	50.0	99	100	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	43.8	44.7	88	89	70-131	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	43.9	45.7	88	91	80-120	4	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.9	50.9	100	102	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	53.3	52.4	107	105	70-130	2	20	
Benzene	ug/L	<0.50	50	50	45.7	48.0	91	96	73-145	5	20	
Bromodichloromethane	ug/L	<0.50	50	50	47.0	47.7	94	95	70-130	1	20	
Bromoform	ug/L	<0.50	50	50	56.5	57.9	113	116	67-130	2	20	
Bromomethane	ug/L	<2.4	50	50	42.6	51.2	85	102	26-129	18	20	
Carbon disulfide	ug/L	<0.61	50	50	46.0	48.0	92	96	72-156	4	30	
Carbon tetrachloride	ug/L	<0.50	50	50	55.3	56.4	111	113	70-134	2	20	
Chlorobenzene	ug/L	<0.50	50	50	53.7	57.5	107	115	70-130	7	20	
Chloroethane	ug/L	<0.37	50	50	42.2	46.4	84	93	58-120	9	20	
Chloroform	ug/L	<2.5	50	50	51.8	52.4	104	105	80-121	1	20	
Chloromethane	ug/L	<0.50	50	50	34.7	36.6	69	73	40-128	5	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	44.6	45.9	89	91	70-130	3	20	

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(920)469-2436

QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1638896 1638897

Parameter	Units	40163465004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	44.9	44.4	90	89	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	56.7	60.4	113	121	70-130	6	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	42.1	42.9	84	86	20-146	2	20	
Ethylbenzene	ug/L	<0.50	50	50	50.1	53.8	100	108	87-129	7	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.3	58.2	111	116	70-130	5	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	40.0	40.2	80	80	66-143	0	20	
Methylene Chloride	ug/L	<0.23	50	50	40.1	40.4	80	81	70-130	1	20	
Styrene	ug/L	<0.50	50	50	53.9	56.2	108	112	70-130	4	20	
Tetrachloroethene	ug/L	<0.50	50	50	54.3	57.4	109	115	70-130	6	20	
Toluene	ug/L	<0.50	50	50	51.9	55.2	104	110	82-131	6	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	46.7	46.1	93	92	75-135	1	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	45.5	46.8	91	94	70-130	3	20	
Trichloroethene	ug/L	1.4	50	50	53.4	54.8	104	107	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	57.2	57.1	114	114	76-150	0	20	
Vinyl chloride	ug/L	<0.18	50	50	43.6	45.8	87	92	56-143	5	20	
Xylene (Total)	ug/L	<1.5	150	150	160	169	106	113	70-130	6	20	
4-Bromofluorobenzene (S)	%						96	95	61-130			
Dibromofluoromethane (S)	%						100	100	67-130			
Toluene-d8 (S)	%						91	94	70-130			

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

QC Batch: 279340 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386004, 40163386005, 40163386006

METHOD BLANK: 1639785 Matrix: Water
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386004, 40163386005, 40163386006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.0	23.5	01/18/18 09:00	

LABORATORY CONTROL SAMPLE: 1639786

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: 1639787 1639788

Parameter	Units	40163386001 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	149	500	500	733	729	117	116	90-110	0	20	M0

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QUALITY CONTROL DATA

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

QC Batch: 279583 Analysis Method: EPA 9060
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386004, 40163386005, 40163386006

METHOD BLANK: 1641083 Matrix: Water
Associated Lab Samples: 40163386001, 40163386002, 40163386003, 40163386004, 40163386005, 40163386006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.25	0.85	01/26/18 09:33	
Total Organic Carbon	mg/L	<0.25	0.85	01/26/18 09:33	
Total Organic Carbon	mg/L	<0.25	0.85	01/26/18 09:33	
Total Organic Carbon	mg/L	<0.25	0.85	01/26/18 09:33	
Total Organic Carbon	mg/L	<0.25	0.85	01/26/18 09:33	

LABORATORY CONTROL SAMPLE: 1641084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	2.5	2.4	96	80-120	
Total Organic Carbon	mg/L	2.5	2.4	96		
Total Organic Carbon	mg/L	2.5	2.4	96		
Total Organic Carbon	mg/L	2.5	2.4	97		
Total Organic Carbon	mg/L	2.5	2.4	96		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1641085 1641086

Parameter	Units	40163386002 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	5.3	3	3	8.5	8.6	106	112	80-120	2	20	
Total Organic Carbon	mg/L	5.0	3	3	8.6	8.5	123	118		2		
Total Organic Carbon	mg/L	5.7	3	3	8.4	8.8	90	102		4		
Total Organic Carbon	mg/L	4.9	3	3	8.4	8.5	118	120		1		
Total Organic Carbon	mg/L	5.6	3	3	8.4	8.8	95	107		4		

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QUALIFIERS

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163386001	MW-4S	EPA 6010	279582		
40163386002	MW-5S	EPA 6010	279582		
40163386003	MW-17S	EPA 6010	279582		
40163386004	PZ-5	EPA 6010	279582		
40163386005	PZ-6	EPA 6010	279582		
40163386006	PZ-5 DUP	EPA 6010	279582		
40163386001	MW-4S	EPA 7470	279511	EPA 7470	279564
40163386002	MW-5S	EPA 7470	279511	EPA 7470	279564
40163386003	MW-17S	EPA 7470	279511	EPA 7470	279564
40163386004	PZ-5	EPA 7470	279511	EPA 7470	279564
40163386005	PZ-6	EPA 7470	279511	EPA 7470	279564
40163386006	PZ-5 DUP	EPA 7470	279511	EPA 7470	279564
40163386001	MW-4S	EPA 8260	278969		
40163386002	MW-5S	EPA 8260	278969		
40163386003	MW-17S	EPA 8260	278969		
40163386004	PZ-5	EPA 8260	279069		
40163386005	PZ-6	EPA 8260	278969		
40163386006	PZ-5 DUP	EPA 8260	278969		
40163386007	TRIP BLANK	EPA 8260	278969		
40163386001	MW-4S				
40163386002	MW-5S				
40163386003	MW-17S				
40163386004	PZ-5				
40163386005	PZ-6				
40163386006	PZ-5 DUP				
40163386008	MW-1SR				
40163386009	MW-2S				
40163386010	MW-2M				
40163386011	MW-6S				
40163386012	MW-6M				
40163386013	MW-7M				
40163386014	MW-8S				
40163386015	MW-8M				
40163386016	MW-9M				
40163386017	MW-10M				
40163386018	MW-11M				
40163386019	MW-12S				
40163386020	MW-14S				
40163386021	MW-15M				
40163386022	MW-16S				
40163386023	MW-16M				
40163386024	MW-17M				
40163386025	PZ-1				
40163386026	PZ-2				
40163386027	PZ-3				
40163386028	PZ-4				

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ONALASKA LANDFILL
Pace Project No.: 40163386

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163386001	**MW-4S**	EPA 310.2	279340		
40163386002	**MW-5S**	EPA 310.2	279340		
40163386003	**MW-17S**	EPA 310.2	279340		
40163386004	**PZ-5**	EPA 310.2	279340		
40163386005	**PZ-6**	EPA 310.2	279340		
40163386006	**PZ-5 DUP**	EPA 310.2	279340		
40163386001	**MW-4S**	EPA 9060	279583		
40163386002	**MW-5S**	EPA 9060	279583		
40163386003	**MW-17S**	EPA 9060	279583		
40163386004	**PZ-5**	EPA 9060	279583		
40163386005	**PZ-6**	EPA 9060	279583		
40163386006	**PZ-5 DUP**	EPA 9060	279583		

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Page 1 of

RMW

CHAIN OF CUSTODY

40163386

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:	La Crosse, WI
Project Contact:	Steven Osesek
Phone:	608-433-9388
Project Number:	
Project Name:	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 S La Crosse, WI 54601
Invoice To Contact:	Steven Osesek
Invoice To Company:	The OS Group, LLC
Invoice To Address:	SAA
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	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOCs	Metals	Alkalinity	TOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B	D	A	C				
001	MW-4S	1/9/18	11:35	GW		X	X	X	X		3-40mlV[B] 2-250mlP[AD] 2-125mlAG[C]		
002	MW-5S		12:45	GW		X	X	X	X				
003	MW-17S		1:15	GW		X	X	X	X				
004	PZ-5		3:20	GW		X	X	X	X				
005	PZ-6		3:45	GW		X	X	X	X				
006	DUP		3:30	GW		X	X	X	X				
007	Trip Blank		11:00			X						2-40mlV[B]	

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	1/10/18 3:00PM		
FedEx	1/11/18 1005	Katie Schramm Pace	1/11/18 1005

PACE Project No. 40163386

Receipt Temp = R01 °C

Sample Receipt pH (OK) / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Sample Condition Upon Receipt

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

Project #: WO#: 40163386

Client Name: The OS Group

Courier: ☑ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: _____

Tracking #: 789300849884

Custody Seal on Cooler/Box Present: ☑ yes ☑ no Seals intact: ☑ yes ☐ no KJ 1/11/18

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

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used NA **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: _____ /Corr: R01 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

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

Person examining contents:
Date: 1/11/18
Initials: KJ

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
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 ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☐Yes ☑No ☐N/A	8. NO MS/MSD KJ 1/11/18
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	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		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☑Yes ☐No ☐N/A	13. ☑ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes ☐No	Initial when completed KJ / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	14.
Trip Blank Present:	☑Yes ☐No ☐N/A	15.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 394		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 1/11/18

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

May 16, 2018

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

RE: Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Dear Steve Osesek:
Enclosed are the analytical results for sample(s) received by the laboratory on May 01, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska

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

Enclosures

cc: John Storlie, The OS Group, LLC

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CERTIFICATIONS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Green Bay Certification IDs

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

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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168315001	MW-1SR	Water	04/26/18 15:25	05/01/18 10:25
40168315002	MW-2S	Water	04/26/18 14:00	05/01/18 10:25
40168315003	MW-2M	Water	04/26/18 14:25	05/01/18 10:25
40168315004	MW-4S	Water	04/26/18 12:40	05/01/18 10:25
40168315005	MW-5S	Water	04/25/18 13:10	05/01/18 10:25
40168315006	MW-6S	Water	04/24/18 11:35	05/01/18 10:25
40168315007	MW-6M	Water	04/24/18 11:50	05/01/18 10:25
40168315008	MW-7M	Water	04/23/18 13:05	05/01/18 10:25
40168315009	MW-8S	Water	04/23/18 14:05	05/01/18 10:25
40168315010	MW-8M	Water	04/23/18 14:30	05/01/18 10:25
40168315011	MW-9M	Water	04/24/18 15:50	05/01/18 10:25
40168315012	MW-10M	Water	04/24/18 13:45	05/01/18 10:25
40168315013	MW-11M	Water	04/24/18 15:25	05/01/18 10:25
40168315014	MW-12S	Water	04/23/18 12:30	05/01/18 10:25
40168315015	MW-14S	Water	04/25/18 11:00	05/01/18 10:25
40168315016	MW-15M	Water	04/23/18 15:20	05/01/18 10:25
40168315017	MW-16S	Water	04/25/18 15:05	05/01/18 10:25
40168315018	MW-16M	Water	04/25/18 15:20	05/01/18 10:25
40168315019	MW-17S	Water	04/25/18 13:30	05/01/18 10:25
40168315020	MW-17M	Water	04/25/18 13:50	05/01/18 10:25
40168315021	PZ-1	Water	04/25/18 12:00	05/01/18 10:25
40168315022	PZ-2	Water	04/25/18 10:45	05/01/18 10:25
40168315023	PZ-3	Water	04/23/18 16:00	05/01/18 10:25
40168315024	PZ-4	Water	04/24/18 14:10	05/01/18 10:25
40168315025	PZ-5	Water	04/23/18 11:20	05/01/18 10:25
40168315026	PZ-6	Water	04/23/18 11:00	05/01/18 10:25
40168315027	PW-1	Water	04/24/18 18:30	05/01/18 10:25
40168315028	PW-2	Water	04/25/18 16:20	05/01/18 10:25
40168315029	PW-4	Water	04/25/18 16:00	05/01/18 10:25
40168315030	MW-8S DUP	Water	04/23/18 14:05	05/01/18 10:25
40168315031	MW-14S DUP	Water	04/25/18 11:05	05/01/18 10:25
40168315032	MW-4S DUP	Water	04/26/18 12:40	05/01/18 10:25
40168315033	TRIP BLANK	Water	04/23/18 10:45	05/01/18 10:25
40168315034	MW-1SR	Water	04/20/18 00:00	05/01/18 10:25
40168315035	MW-2S	Water	04/20/18 00:00	05/01/18 10:25
40168315036	MW-2M	Water	04/20/18 00:00	05/01/18 10:25
40168315037	MW-4S	Water	04/20/18 00:00	05/01/18 10:25

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168315038	**MW-5S**	Water	04/20/18 00:00	05/01/18 10:25
40168315039	**MW-6S**	Water	04/20/18 00:00	05/01/18 10:25
40168315040	**MW-6M**	Water	04/20/18 00:00	05/01/18 10:25
40168315041	**MW-7M**	Water	04/20/18 00:00	05/01/18 10:25
40168315042	**MW-8S**	Water	04/20/18 00:00	05/01/18 10:25
40168315043	**MW-8M**	Water	04/20/18 00:00	05/01/18 10:25
40168315044	**MW-9M**	Water	04/20/18 00:00	05/01/18 10:25
40168315045	**MW-10M**	Water	04/20/18 00:00	05/01/18 10:25
40168315046	**MW-11M**	Water	04/20/18 00:00	05/01/18 10:25
40168315047	**MW-12S**	Water	04/20/18 00:00	05/01/18 10:25
40168315048	**MW-14S**	Water	04/20/18 00:00	05/01/18 10:25
40168315049	**MW-15M**	Water	04/20/18 00:00	05/01/18 10:25
40168315050	**MW-16S**	Water	04/20/18 00:00	05/01/18 10:25
40168315051	**MW-16M**	Water	04/20/18 00:00	05/01/18 10:25
40168315052	**MW-17S**	Water	04/20/18 00:00	05/01/18 10:25
40168315053	**MW-17M**	Water	04/20/18 00:00	05/01/18 10:25
40168315054	**PZ-1**	Water	04/20/18 00:00	05/01/18 10:25
40168315055	**PZ-2**	Water	04/20/18 00:00	05/01/18 10:25
40168315056	**PZ-3**	Water	04/20/18 00:00	05/01/18 10:25
40168315057	**PZ-4**	Water	04/20/18 00:00	05/01/18 10:25
40168315058	**PZ-5**	Water	04/20/18 00:00	05/01/18 10:25
40168315059	**PZ-6**	Water	04/20/18 00:00	05/01/18 10:25

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40168315001	**MW-1SR**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315002	**MW-2S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315003	**MW-2M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315004	**MW-4S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315005	**MW-5S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315006	**MW-6S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315007	**MW-6M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G

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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315008	**MW-7M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315009	**MW-8S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315010	**MW-8M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315011	**MW-9M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	8	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315012	**MW-10M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315013	**MW-11M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315014	**MW-12S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G

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

SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315015	**MW-14S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315016	**MW-15M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315017	**MW-16S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315018	**MW-16M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315019	**MW-17S**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315020	**MW-17M**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G

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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.: 40168315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40168315021	**PZ-1**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315022	**PZ-2**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315023	**PZ-3**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315024	**PZ-4**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315025	**PZ-5**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315026	**PZ-6**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315027	**PW-1**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
40168315028	**PW-2**	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G

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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	HNW	57	PASI-G
40168315029	PW-4	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
40168315030	MW-8S DUP	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315031	MW-14S DUP	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315032	MW-4S DUP	EPA 6010	JLD	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	57	PASI-G
			CDH	9	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40168315033	TRIP BLANK	EPA 8260	HNW	57	PASI-G
40168315034	MW-1SR		CDH	1	PASI-G
40168315035	MW-2S		CDH	1	PASI-G
40168315036	MW-2M		CDH	1	PASI-G
40168315037	MW-4S		CDH	1	PASI-G
40168315038	MW-5S		CDH	1	PASI-G
40168315039	MW-6S		CDH	1	PASI-G
40168315040	MW-6M		CDH	1	PASI-G
40168315041	MW-7M		CDH	1	PASI-G
40168315042	MW-8S		CDH	1	PASI-G
40168315043	MW-8M		CDH	1	PASI-G
40168315044	MW-9M		CDH	1	PASI-G
40168315045	MW-10M		CDH	1	PASI-G
40168315046	MW-11M		CDH	1	PASI-G
40168315047	MW-12S		CDH	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40168315048	**MW-14S**		CDH	1	PASI-G
40168315049	**MW-15M**		CDH	1	PASI-G
40168315050	**MW-16S**		CDH	1	PASI-G
40168315051	**MW-16M**		CDH	1	PASI-G
40168315052	**MW-17S**		CDH	1	PASI-G
40168315053	**MW-17M**		CDH	1	PASI-G
40168315054	**PZ-1**		CDH	1	PASI-G
40168315055	**PZ-2**		CDH	1	PASI-G
40168315056	**PZ-3**		CDH	1	PASI-G
40168315057	**PZ-4**		CDH	1	PASI-G
40168315058	**PZ-5**		CDH	1	PASI-G
40168315059	**PZ-6**		CDH	1	PASI-G

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-1SR **Lab ID: 40168315001** Collected: 04/26/18 15:25 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:03	7440-38-2	
Barium, Dissolved	**25.1**	ug/L	5.0	1.5	1		05/02/18 12:03	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:03	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:03	7440-48-4	
Iron, Dissolved	**420**	ug/L	100	15.5	1		05/02/18 12:03	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:03	7439-92-1	
Manganese, Dissolved	**325**	ug/L	5.0	1.1	1		05/02/18 12:03	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:03	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:38	7439-97-6	
Field Data	Analytical Method:								
Field pH	**6.36**	Std. Units			1		04/26/18 15:25		
Field Specific Conductance	**187**	umhos/cm			1		04/26/18 15:25		
Oxygen, Dissolved	**1.07**	mg/L			1		04/26/18 15:25	7782-44-7	
REDOX	**20.4**	mV			1		04/26/18 15:25		
Turbidity	**N**	no units			1		04/26/18 15:25		
Static Water Level	**647.39**	feet			1		04/26/18 15:25		
Apparent Color	**N**	no units			1		04/26/18 15:25		
Odor	**N**	no units			1		04/26/18 15:25		
Temperature, Water (C)	**8.45**	deg C			1		04/26/18 15:25		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**93.1**	mg/L	23.5	7.0	1		05/04/18 12:17		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**3.6**	mg/L	0.85	0.25	1		05/08/18 13:56	7440-44-0	
Total Organic Carbon	**3.6**	mg/L	0.85	0.25	1		05/08/18 13:56	7440-44-0	
Total Organic Carbon	**3.7**	mg/L	0.85	0.25	1		05/08/18 13:56	7440-44-0	
Total Organic Carbon	**3.7**	mg/L	0.85	0.25	1		05/08/18 13:56	7440-44-0	
Mean Total Organic Carbon	**3.6**	mg/L	0.85	0.25	1		05/08/18 13:56	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-2S **Lab ID: 40168315002** Collected: 04/26/18 14:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**11.9J**	ug/L	20.0	5.4	1		05/02/18 12:15	7440-38-2	
Barium, Dissolved	**86.5**	ug/L	5.0	1.5	1		05/02/18 12:15	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:15	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:15	7440-48-4	
Iron, Dissolved	**22600**	ug/L	100	15.5	1		05/02/18 12:15	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:15	7439-92-1	
Manganese, Dissolved	**617**	ug/L	5.0	1.1	1		05/02/18 12:15	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:15	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:41	7439-97-6	
Field Data	Analytical Method:								
Field pH	**6.29**	Std. Units			1		04/26/18 14:00		
Field Specific Conductance	**307**	umhos/cm			1		04/26/18 14:00		
Oxygen, Dissolved	**0.15**	mg/L			1		04/26/18 14:00	7782-44-7	
REDOX	**-52.5**	mV			1		04/26/18 14:00		
Turbidity	**N**	no units			1		04/26/18 14:00		
Static Water Level	**646.74**	feet			1		04/26/18 14:00		
Apparent Color	**N**	no units			1		04/26/18 14:00		
Odor	**N**	no units			1		04/26/18 14:00		
Temperature, Water (C)	**11.12**	deg C			1		04/26/18 14:00		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**102**	mg/L	47.0	14.1	2		05/04/18 12:17		B
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**4.0**	mg/L	2.5	0.76	3		05/08/18 16:01	7440-44-0	
Total Organic Carbon	**4.0**	mg/L	2.5	0.76	3		05/08/18 16:01	7440-44-0	
Total Organic Carbon	**3.7**	mg/L	2.5	0.76	3		05/08/18 16:01	7440-44-0	
Total Organic Carbon	**3.7**	mg/L	2.5	0.76	3		05/08/18 16:01	7440-44-0	
Mean Total Organic Carbon	**3.8**	mg/L	2.5	0.76	3		05/08/18 16:01	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-2M **Lab ID: 40168315003** Collected: 04/26/18 14:25 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**24.5**	ug/L	20.0	5.4	1		05/02/18 12:18	7440-38-2	
Barium, Dissolved	**472**	ug/L	5.0	1.5	1		05/02/18 12:18	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:18	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:18	7440-48-4	
Iron, Dissolved	**9150**	ug/L	100	15.5	1		05/02/18 12:18	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:18	7439-92-1	
Manganese, Dissolved	**822**	ug/L	5.0	1.1	1		05/02/18 12:18	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:18	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:48	7439-97-6	
Field Data	Analytical Method:								
Field pH	**7.12**	Std. Units			1		04/26/18 14:25		
Field Specific Conductance	**248**	umhos/cm			1		04/26/18 14:25		
Oxygen, Dissolved	**0.11**	mg/L			1		04/26/18 14:25	7782-44-7	
REDOX	**-147.2**	mV			1		04/26/18 14:25		
Turbidity	**N**	no units			1		04/26/18 14:25		
Static Water Level	**646.74**	feet			1		04/26/18 14:25		
Apparent Color	**N**	no units			1		04/26/18 14:25		
Odor	**N**	no units			1		04/26/18 14:25		
Temperature, Water (C)	**10.66**	deg C			1		04/26/18 14:25		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**116**	mg/L	47.0	14.1	2		05/04/18 12:18		B
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**4.6**	mg/L	1.7	0.51	2		05/08/18 18:27	7440-44-0	
Total Organic Carbon	**4.6**	mg/L	1.7	0.51	2		05/08/18 18:27	7440-44-0	
Total Organic Carbon	**4.7**	mg/L	1.7	0.51	2		05/08/18 18:27	7440-44-0	
Total Organic Carbon	**4.7**	mg/L	1.7	0.51	2		05/08/18 18:27	7440-44-0	
Mean Total Organic Carbon	**4.7**	mg/L	1.7	0.51	2		05/08/18 18:27	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-4S **Lab ID: 40168315004** Collected: 04/26/18 12:40 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**10.9J**	ug/L	20.0	5.4	1		05/02/18 12:20	7440-38-2	
Barium, Dissolved	**293**	ug/L	5.0	1.5	1		05/02/18 12:20	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:20	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:20	7440-48-4	
Iron, Dissolved	**11900**	ug/L	100	15.5	1		05/02/18 12:20	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:20	7439-92-1	
Manganese, Dissolved	**868**	ug/L	5.0	1.1	1		05/02/18 12:20	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:20	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:50	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 11:59	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 11:59	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 11:59	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 11:59	75-35-4	
1,2,4-Trimethylbenzene	**584**	ug/L	10.0	5.0	10		05/04/18 10:59	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 11:59	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:59	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 11:59	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:59	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 11:59	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 11:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 11:59	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 11:59	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 11:59	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 11:59	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	108-90-7	
Chloroethane	**0.84J**	ug/L	1.0	0.37	1		05/03/18 11:59	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 11:59	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 11:59	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 11:59	75-71-8	
Ethylbenzene	**0.95J**	ug/L	1.0	0.50	1		05/03/18 11:59	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 11:59	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-4S **Lab ID: 40168315004** Collected: 04/26/18 12:40 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**18.4**	ug/L	1.0	0.14	1		05/03/18 11:59	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 11:59	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:59	75-09-2	
Naphthalene	**7.0**	ug/L	5.0	2.5	1		05/03/18 11:59	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 11:59	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 11:59	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:59	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:59	75-01-4	
Xylene (Total)	**7.5**	ug/L	3.0	1.5	1		05/03/18 11:59	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 11:59	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:59	10061-01-5	
n-Butylbenzene	**6.4**	ug/L	1.0	0.50	1		05/03/18 11:59	104-51-8	
n-Propylbenzene	**31.6**	ug/L	1.0	0.50	1		05/03/18 11:59	103-65-1	
p-Isopropyltoluene	**11.9**	ug/L	1.0	0.50	1		05/03/18 11:59	99-87-6	
sec-Butylbenzene	**20.0**	ug/L	5.0	2.2	1		05/03/18 11:59	135-98-8	
tert-Butylbenzene	**2.6**	ug/L	1.0	0.18	1		05/03/18 11:59	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 11:59	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		05/03/18 11:59	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		05/03/18 11:59	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/03/18 11:59	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.75**	Std. Units			1		04/26/18 12:40		
Field Specific Conductance	**460**	umhos/cm			1		04/26/18 12:40		
Oxygen, Dissolved	**0.24**	mg/L			1		04/26/18 12:40	7782-44-7	
REDOX	**-83.9**	mV			1		04/26/18 12:40		
Turbidity	**N**	no units			1		04/26/18 12:40		
Static Water Level	**646.06**	feet			1		04/26/18 12:40		
Apparent Color	**N**	no units			1		04/26/18 12:40		
Odor	**N**	no units			1		04/26/18 12:40		
Temperature, Water (C)	**10.03**	deg C			1		04/26/18 12:40		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**250**	mg/L	23.5	7.0	1		05/04/18 12:42		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.5**	mg/L	0.85	0.25	1		05/08/18 19:08	7440-44-0	
Total Organic Carbon	**2.6**	mg/L	0.85	0.25	1		05/08/18 19:08	7440-44-0	
Total Organic Carbon	**2.5**	mg/L	0.85	0.25	1		05/08/18 19:08	7440-44-0	
Total Organic Carbon	**2.5**	mg/L	0.85	0.25	1		05/08/18 19:08	7440-44-0	
Mean Total Organic Carbon	**2.5**	mg/L	0.85	0.25	1		05/08/18 19:08	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-5S **Lab ID: 40168315005** Collected: 04/25/18 13:10 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**13.9J**	ug/L	20.0	5.4	1		05/02/18 12:22	7440-38-2	
Barium, Dissolved	**264**	ug/L	5.0	1.5	1		05/02/18 12:22	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:22	7440-43-9	
Cobalt, Dissolved	**3.3J**	ug/L	5.0	1.4	1		05/02/18 12:22	7440-48-4	
Iron, Dissolved	**21700**	ug/L	100	15.5	1		05/02/18 12:22	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:22	7439-92-1	
Manganese, Dissolved	**1390**	ug/L	5.0	1.1	1		05/02/18 12:22	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:22	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:52	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		05/04/18 09:53	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		05/04/18 09:53	79-00-5	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		05/04/18 09:53	75-34-3	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		05/04/18 09:53	75-35-4	
1,2,4-Trimethylbenzene	**1020**	ug/L	10.0	5.0	10		05/04/18 09:53	95-63-6	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		05/04/18 09:53	96-12-8	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		05/04/18 09:53	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	95-50-1	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		05/04/18 09:53	107-06-2	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		05/04/18 09:53	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	106-46-7	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		05/04/18 09:53	78-93-3	
2-Hexanone	**<11.1**	ug/L	50.0	11.1	10		05/04/18 09:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<21.4**	ug/L	50.0	21.4	10		05/04/18 09:53	108-10-1	
Acetone	**<29.5**	ug/L	200	29.5	10		05/04/18 09:53	67-64-1	
Benzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	71-43-2	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		05/04/18 09:53	74-83-9	
Carbon disulfide	**<6.1**	ug/L	50.0	6.1	10		05/04/18 09:53	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		05/04/18 09:53	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		05/04/18 09:53	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	124-48-1	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		05/04/18 09:53	74-95-3	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		05/04/18 09:53	75-71-8	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		05/04/18 09:53	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-5S **Lab ID: 40168315005** Collected: 04/25/18 13:10 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**34.4**	ug/L	10.0	1.4	10		05/04/18 09:53	98-82-8	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		05/04/18 09:53	1634-04-4	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		05/04/18 09:53	75-09-2	
Naphthalene	**28.8J**	ug/L	50.0	25.0	10		05/04/18 09:53	91-20-3	
Styrene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	100-42-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	127-18-4	
Tetrahydrofuran	**<20.3**	ug/L	50.0	20.3	10		05/04/18 09:53	109-99-9	
Toluene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	108-88-3	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		05/04/18 09:53	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		05/04/18 09:53	75-69-4	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		05/04/18 09:53	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		05/04/18 09:53	1330-20-7	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		05/04/18 09:53	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:53	10061-01-5	
n-Butylbenzene	**10.9**	ug/L	10.0	5.0	10		05/04/18 09:53	104-51-8	
n-Propylbenzene	**55.2**	ug/L	10.0	5.0	10		05/04/18 09:53	103-65-1	
p-Isopropyltoluene	**9.0J**	ug/L	10.0	5.0	10		05/04/18 09:53	99-87-6	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		05/04/18 09:53	135-98-8	
tert-Butylbenzene	**22.6**	ug/L	10.0	1.8	10		05/04/18 09:53	98-06-6	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		05/04/18 09:53	156-60-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		05/04/18 09:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		10		05/04/18 09:53	460-00-4	
Dibromofluoromethane (S)	94	%	67-130		10		05/04/18 09:53	1868-53-7	
Toluene-d8 (S)	101	%	70-130		10		05/04/18 09:53	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.59**	Std. Units			1		04/25/18 13:10		
Field Specific Conductance	**433**	umhos/cm			1		04/25/18 13:10		
Oxygen, Dissolved	**0.47**	mg/L			1		04/25/18 13:10	7782-44-7	
REDOX	**-84.7**	mV			1		04/25/18 13:10		
Turbidity	**N**	no units			1		04/25/18 13:10		
Static Water Level	**646.27**	feet			1		04/25/18 13:10		
Apparent Color	**N**	no units			1		04/25/18 13:10		
Odor	**N**	no units			1		04/25/18 13:10		
Temperature, Water (C)	**9.76**	deg C			1		04/25/18 13:10		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**241**	mg/L	23.5	7.0	1		05/04/18 12:42		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**6.4**	mg/L	2.5	0.76	3		05/09/18 07:17	7440-44-0	
Total Organic Carbon	**6.4**	mg/L	2.5	0.76	3		05/09/18 07:17	7440-44-0	
Total Organic Carbon	**6.2**	mg/L	2.5	0.76	3		05/09/18 07:17	7440-44-0	
Total Organic Carbon	**6.0**	mg/L	2.5	0.76	3		05/09/18 07:17	7440-44-0	
Mean Total Organic Carbon	**6.3**	mg/L	2.5	0.76	3		05/09/18 07:17	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-6S **Lab ID: 40168315006** Collected: 04/24/18 11:35 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:25	7440-38-2	
Barium, Dissolved	**341**	ug/L	5.0	1.5	1		05/02/18 12:25	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:25	7440-43-9	
Cobalt, Dissolved	**3.7J**	ug/L	5.0	1.4	1		05/02/18 12:25	7440-48-4	
Iron, Dissolved	**294**	ug/L	100	15.5	1		05/02/18 12:25	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:25	7439-92-1	
Manganese, Dissolved	**5010**	ug/L	5.0	1.1	1		05/02/18 12:25	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:25	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:54	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 11:37	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 11:37	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 11:37	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 11:37	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 11:37	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:37	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 11:37	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:37	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 11:37	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 11:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 11:37	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 11:37	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 11:37	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 11:37	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 11:37	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 11:37	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 11:37	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 11:37	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 11:37	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-6S **Lab ID: 40168315006** Collected: 04/24/18 11:35 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**0.33J**	ug/L	1.0	0.14	1		05/03/18 11:37	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 11:37	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:37	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/03/18 11:37	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 11:37	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 11:37	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:37	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:37	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 11:37	1330-20-7	
cis-1,2-Dichloroethene	**0.34J**	ug/L	1.0	0.26	1		05/03/18 11:37	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:37	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/03/18 11:37	135-98-8	
tert-Butylbenzene	**7.9**	ug/L	1.0	0.18	1		05/03/18 11:37	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 11:37	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/03/18 11:37	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		05/03/18 11:37	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/03/18 11:37	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.61**	Std. Units			1		04/24/18 11:35		
Field Specific Conductance	**557**	umhos/cm			1		04/24/18 11:35		
Oxygen, Dissolved	**0.37**	mg/L			1		04/24/18 11:35	7782-44-7	
REDOX	**-1.8**	mV			1		04/24/18 11:35		
Turbidity	**N**	no units			1		04/24/18 11:35		
Static Water Level	**645.42**	feet			1		04/24/18 11:35		
Apparent Color	**N**	no units			1		04/24/18 11:35		
Odor	**N**	no units			1		04/24/18 11:35		
Temperature, Water (C)	**9.30**	deg C			1		04/24/18 11:35		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**283**	mg/L	23.5	7.0	1		05/04/18 12:02		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**3.1**	mg/L	0.85	0.25	1		05/08/18 20:32	7440-44-0	
Total Organic Carbon	**3.1**	mg/L	0.85	0.25	1		05/08/18 20:32	7440-44-0	
Total Organic Carbon	**3.2**	mg/L	0.85	0.25	1		05/08/18 20:32	7440-44-0	
Total Organic Carbon	**3.1**	mg/L	0.85	0.25	1		05/08/18 20:32	7440-44-0	
Mean Total Organic Carbon	**3.1**	mg/L	0.85	0.25	1		05/08/18 20:32	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-6M **Lab ID: 40168315007** Collected: 04/24/18 11:50 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:27	7440-38-2	
Barium, Dissolved	**1060**	ug/L	5.0	1.5	1		05/02/18 12:27	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:27	7440-43-9	
Cobalt, Dissolved	**2.0J**	ug/L	5.0	1.4	1		05/02/18 12:27	7440-48-4	
Iron, Dissolved	**15.8J**	ug/L	100	15.5	1		05/02/18 12:27	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:27	7439-92-1	
Manganese, Dissolved	**2150**	ug/L	5.0	1.1	1		05/02/18 12:27	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:27	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/04/18 11:21	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/04/18 11:21	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/04/18 11:21	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/18 11:21	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/04/18 11:21	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/04/18 11:21	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/04/18 11:21	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/04/18 11:21	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/04/18 11:21	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/04/18 11:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/04/18 11:21	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/04/18 11:21	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/04/18 11:21	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/04/18 11:21	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/04/18 11:21	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/04/18 11:21	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/04/18 11:21	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/04/18 11:21	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/04/18 11:21	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-6M **Lab ID: 40168315007** Collected: 04/24/18 11:50 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/04/18 11:21	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/04/18 11:21	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/04/18 11:21	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/04/18 11:21	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/04/18 11:21	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/04/18 11:21	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/04/18 11:21	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/04/18 11:21	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/04/18 11:21	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 11:21	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:21	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/04/18 11:21	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/04/18 11:21	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 11:21	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/04/18 11:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/04/18 11:21	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		05/04/18 11:21	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/04/18 11:21	2037-26-5	
Field Data	Analytical Method:								
Field pH	**7.23**	Std. Units			1		04/24/18 11:50		
Field Specific Conductance	**271**	umhos/cm			1		04/24/18 11:50		
Oxygen, Dissolved	**0.14**	mg/L			1		04/24/18 11:50	7782-44-7	
REDOX	**-18.6**	mV			1		04/24/18 11:50		
Turbidity	**N**	no units			1		04/24/18 11:50		
Static Water Level	**645.45**	feet			1		04/24/18 11:50		
Apparent Color	**N**	no units			1		04/24/18 11:50		
Odor	**N**	no units			1		04/24/18 11:50		
Temperature, Water (C)	**10.32**	deg C			1		04/24/18 11:50		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**135**	mg/L	23.5	7.0	1		05/04/18 12:03		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.8**	mg/L	0.85	0.25	1		05/08/18 21:14	7440-44-0	
Total Organic Carbon	**2.9**	mg/L	0.85	0.25	1		05/08/18 21:14	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	0.85	0.25	1		05/08/18 21:14	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	0.85	0.25	1		05/08/18 21:14	7440-44-0	
Mean Total Organic Carbon	**2.8**	mg/L	0.85	0.25	1		05/08/18 21:14	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-7M **Lab ID: 40168315008** Collected: 04/23/18 13:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**8.7J**	ug/L	20.0	5.4	1		05/02/18 12:30	7440-38-2	
Barium, Dissolved	**340**	ug/L	5.0	1.5	1		05/02/18 12:30	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:30	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:30	7440-48-4	
Iron, Dissolved	**2390**	ug/L	100	15.5	1		05/02/18 12:30	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:30	7439-92-1	
Manganese, Dissolved	**778**	ug/L	5.0	1.1	1		05/02/18 12:30	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:30	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:59	7439-97-6	
Field Data	Analytical Method:								
Field pH	**7.38**	Std. Units			1		04/23/18 13:05		
Field Specific Conductance	**468**	umhos/cm			1		04/23/18 13:05		
Oxygen, Dissolved	**0.44**	mg/L			1		04/23/18 13:05	7782-44-7	
REDOX	**-146.2**	mV			1		04/23/18 13:05		
Turbidity	**N**	no units			1		04/23/18 13:05		
Static Water Level	**645.17**	feet			1		04/23/18 13:05		
Apparent Color	**N**	no units			1		04/23/18 13:05		
Odor	**N**	no units			1		04/23/18 13:05		
Temperature, Water (C)	**10.61**	deg C			1		04/23/18 13:05		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**195**	mg/L	23.5	7.0	1		05/04/18 10:08		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/08/18 21:55	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/08/18 21:55	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/08/18 21:55	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/08/18 21:55	7440-44-0	
Mean Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/08/18 21:55	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-8S **Lab ID: 40168315009** Collected: 04/23/18 14:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:32	7440-38-2	
Barium, Dissolved	**25.3**	ug/L	5.0	1.5	1		05/02/18 12:32	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:32	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:32	7440-48-4	
Iron, Dissolved	**<15.5**	ug/L	100	15.5	1		05/02/18 12:32	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:32	7439-92-1	
Manganese, Dissolved	**279**	ug/L	5.0	1.1	1		05/02/18 12:32	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:32	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:01	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 12:43	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 12:43	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 12:43	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 12:43	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 12:43	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 12:43	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 12:43	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 12:43	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 12:43	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 12:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 12:43	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 12:43	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 12:43	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 12:43	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 12:43	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 12:43	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 12:43	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 12:43	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 12:43	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-8S **Lab ID: 40168315009** Collected: 04/23/18 14:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/03/18 12:43	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 12:43	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 12:43	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/03/18 12:43	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 12:43	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 12:43	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 12:43	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 12:43	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 12:43	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 12:43	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 12:43	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/03/18 12:43	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/03/18 12:43	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 12:43	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 12:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/03/18 12:43	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		05/03/18 12:43	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/03/18 12:43	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.83**	Std. Units			1		04/23/18 14:05		
Field Specific Conductance	**360**	umhos/cm			1		04/23/18 14:05		
Oxygen, Dissolved	**4.28**	mg/L			1		04/23/18 14:05	7782-44-7	
REDOX	**78.3**	mV			1		04/23/18 14:05		
Turbidity	**N**	no units			1		04/23/18 14:05		
Static Water Level	**645.18**	feet			1		04/23/18 14:05		
Apparent Color	**N**	no units			1		04/23/18 14:05		
Odor	**N**	no units			1		04/23/18 14:05		
Temperature, Water (C)	**9.02**	deg C			1		04/23/18 14:05		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**176**	mg/L	23.5	7.0	1		05/04/18 10:09		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/08/18 22:37	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/08/18 22:37	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/08/18 22:37	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/08/18 22:37	7440-44-0	
Mean Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/08/18 22:37	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-8M **Lab ID: 40168315010** Collected: 04/23/18 14:30 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:34	7440-38-2	
Barium, Dissolved	**586**	ug/L	5.0	1.5	1		05/02/18 12:34	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:34	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:34	7440-48-4	
Iron, Dissolved	**247**	ug/L	100	15.5	1		05/02/18 12:34	7439-89-6	
Lead, Dissolved	**6.5J**	ug/L	13.0	4.3	1		05/02/18 12:34	7439-92-1	
Manganese, Dissolved	**2800**	ug/L	5.0	1.1	1		05/02/18 12:34	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:34	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:04	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 13:05	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 13:05	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 13:05	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 13:05	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 13:05	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:05	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 13:05	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:05	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 13:05	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 13:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 13:05	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 13:05	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 13:05	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 13:05	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 13:05	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 13:05	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 13:05	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 13:05	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 13:05	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-8M **Lab ID: 40168315010** Collected: 04/23/18 14:30 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/03/18 13:05	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 13:05	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:05	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/03/18 13:05	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 13:05	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 13:05	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:05	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:05	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 13:05	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 13:05	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:05	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/03/18 13:05	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:05	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 13:05	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/03/18 13:05	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		05/03/18 13:05	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/03/18 13:05	2037-26-5	
Field Data	Analytical Method:								
Field pH	**7.17**	Std. Units			1		04/23/18 14:30		
Field Specific Conductance	**360**	umhos/cm			1		04/23/18 14:30		
Oxygen, Dissolved	**0.3**	mg/L			1		04/23/18 14:30	7782-44-7	
REDOX	**-48.4**	mV			1		04/23/18 14:30		
Turbidity	**N**	no units			1		04/23/18 14:30		
Static Water Level	**645.18**	feet			1		04/23/18 14:30		
Apparent Color	**N**	no units			1		04/23/18 14:30		
Odor	**N**	no units			1		04/23/18 14:30		
Temperature, Water (C)	**10.67**	deg C			1		04/23/18 14:30		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**152**	mg/L	23.5	7.0	1		05/04/18 10:10		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		05/08/18 23:18	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		05/08/18 23:18	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		05/08/18 23:18	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		05/08/18 23:18	7440-44-0	
Mean Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		05/08/18 23:18	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-9M **Lab ID: 40168315011** Collected: 04/24/18 15:50 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**7.8J**	ug/L	20.0	5.4	1		05/02/18 12:42	7440-38-2	
Barium, Dissolved	**172**	ug/L	5.0	1.5	1		05/02/18 12:42	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:42	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:42	7440-48-4	
Iron, Dissolved	**2530**	ug/L	100	15.5	1		05/02/18 12:42	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:42	7439-92-1	
Manganese, Dissolved	**914**	ug/L	5.0	1.1	1		05/02/18 12:42	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:42	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:06	7439-97-6	
Field Data	Analytical Method:								
Field pH	**7.44**	Std. Units			1		04/24/18 15:50		
Oxygen, Dissolved	**0.18**	mg/L			1		04/24/18 15:50	7782-44-7	
REDOX	**-152.3**	mV			1		04/24/18 15:50		
Turbidity	**N**	no units			1		04/24/18 15:50		
Static Water Level	**644.96**	feet			1		04/24/18 15:50		
Apparent Color	**N**	no units			1		04/24/18 15:50		
Odor	**N**	no units			1		04/24/18 15:50		
Temperature, Water (C)	**10.69**	deg C			1		04/24/18 15:50		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**184**	mg/L	23.5	7.0	1		05/04/18 12:03		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.9**	mg/L	0.85	0.25	1		05/09/18 00:00	7440-44-0	
Total Organic Carbon	**1.9**	mg/L	0.85	0.25	1		05/09/18 00:00	7440-44-0	
Total Organic Carbon	**2.1**	mg/L	0.85	0.25	1		05/09/18 00:00	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		05/09/18 00:00	7440-44-0	
Mean Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		05/09/18 00:00	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-10M **Lab ID: 40168315012** Collected: 04/24/18 13:45 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:44	7440-38-2	
Barium, Dissolved	**80.7**	ug/L	5.0	1.5	1		05/02/18 12:44	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:44	7440-43-9	
Cobalt, Dissolved	**1.5J**	ug/L	5.0	1.4	1		05/02/18 12:44	7440-48-4	
Iron, Dissolved	**<15.5**	ug/L	100	15.5	1		05/02/18 12:44	7439-89-6	
Lead, Dissolved	**4.4J**	ug/L	13.0	4.3	1		05/02/18 12:44	7439-92-1	
Manganese, Dissolved	**1790**	ug/L	5.0	1.1	1		05/02/18 12:44	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:44	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:08	7439-97-6	
Field Data	Analytical Method:								
Field pH	**7.30**	Std. Units			1		04/24/18 13:45		
Field Specific Conductance	**431**	umhos/cm			1		04/24/18 13:45		
Oxygen, Dissolved	**0.19**	mg/L			1		04/24/18 13:45	7782-44-7	
REDOX	**23.4**	mV			1		04/24/18 13:45		
Turbidity	**N**	no units			1		04/24/18 13:45		
Static Water Level	**645.13**	feet			1		04/24/18 13:45		
Apparent Color	**N**	no units			1		04/24/18 13:45		
Odor	**N**	no units			1		04/24/18 13:45		
Temperature, Water (C)	**10.86**	deg C			1		04/24/18 13:45		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**228**	mg/L	23.5	7.0	1		05/04/18 12:06		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/09/18 01:02	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/09/18 01:02	7440-44-0	
Total Organic Carbon	**2.3**	mg/L	0.85	0.25	1		05/09/18 01:02	7440-44-0	
Total Organic Carbon	**2.3**	mg/L	0.85	0.25	1		05/09/18 01:02	7440-44-0	
Mean Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/09/18 01:02	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-11M **Lab ID: 40168315013** Collected: 04/24/18 15:25 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**5.6J**	ug/L	20.0	5.4	1		05/02/18 12:46	7440-38-2	
Barium, Dissolved	**226**	ug/L	5.0	1.5	1		05/02/18 12:46	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:46	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:46	7440-48-4	
Iron, Dissolved	**3610**	ug/L	100	15.5	1		05/02/18 12:46	7439-89-6	
Lead, Dissolved	**4.5J**	ug/L	13.0	4.3	1		05/02/18 12:46	7439-92-1	
Manganese, Dissolved	**1260**	ug/L	5.0	1.1	1		05/02/18 12:46	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:46	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:15	7439-97-6	
Field Data	Analytical Method:								
Field pH	**7.42**	Std. Units			1		04/24/18 15:25		
Field Specific Conductance	**446**	umhos/cm			1		04/24/18 15:25		
Oxygen, Dissolved	**0.23**	mg/L			1		04/24/18 15:25	7782-44-7	
REDOX	**-153.9**	mV			1		04/24/18 15:25		
Turbidity	**N**	no units			1		04/24/18 15:25		
Static Water Level	**644.95**	feet			1		04/24/18 15:25		
Apparent Color	**N**	no units			1		04/24/18 15:25		
Odor	**N**	no units			1		04/24/18 15:25		
Temperature, Water (C)	**10.64**	deg C			1		04/24/18 15:25		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**195**	mg/L	23.5	7.0	1		05/04/18 12:06		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**0.91**	mg/L	0.85	0.25	1		05/09/18 01:44	7440-44-0	
Total Organic Carbon	**0.88**	mg/L	0.85	0.25	1		05/09/18 01:44	7440-44-0	
Total Organic Carbon	**0.84J**	mg/L	0.85	0.25	1		05/09/18 01:44	7440-44-0	
Total Organic Carbon	**0.87**	mg/L	0.85	0.25	1		05/09/18 01:44	7440-44-0	
Mean Total Organic Carbon	**0.87**	mg/L	0.85	0.25	1		05/09/18 01:44	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-12S **Lab ID: 40168315014** Collected: 04/23/18 12:30 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:49	7440-38-2	
Barium, Dissolved	**18.6**	ug/L	5.0	1.5	1		05/02/18 12:49	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:49	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:49	7440-48-4	
Iron, Dissolved	**<15.5**	ug/L	100	15.5	1		05/02/18 12:49	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:49	7439-92-1	
Manganese, Dissolved	**<1.1**	ug/L	5.0	1.1	1		05/02/18 12:49	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:49	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:18	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 13:27	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 13:27	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 13:27	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 13:27	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 13:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:27	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 13:27	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:27	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 13:27	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 13:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 13:27	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 13:27	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 13:27	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 13:27	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 13:27	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 13:27	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 13:27	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 13:27	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 13:27	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-12S **Lab ID: 40168315014** Collected: 04/23/18 12:30 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/03/18 13:27	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 13:27	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:27	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/03/18 13:27	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 13:27	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 13:27	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:27	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:27	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 13:27	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 13:27	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:27	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/03/18 13:27	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:27	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 13:27	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/03/18 13:27	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		05/03/18 13:27	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/03/18 13:27	2037-26-5	
Field Data	Analytical Method:								
Field pH	**7.10**	Std. Units			1		04/23/18 12:30		
Field Specific Conductance	**381**	umhos/cm			1		04/23/18 12:30		
Oxygen, Dissolved	**6.01**	mg/L			1		04/23/18 12:30	7782-44-7	
REDOX	**70.5**	mV			1		04/23/18 12:30		
Turbidity	**N**	no units			1		04/23/18 12:30		
Static Water Level	**645.16**	feet			1		04/23/18 12:30		
Apparent Color	**N**	no units			1		04/23/18 12:30		
Odor	**N**	no units			1		04/23/18 12:30		
Temperature, Water (C)	**9.24**	deg C			1		04/23/18 12:30		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**206**	mg/L	23.5	7.0	1		05/04/18 10:10		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**0.65J**	mg/L	0.85	0.25	1		05/09/18 02:26	7440-44-0	
Total Organic Carbon	**0.64J**	mg/L	0.85	0.25	1		05/09/18 02:26	7440-44-0	
Total Organic Carbon	**0.63J**	mg/L	0.85	0.25	1		05/09/18 02:26	7440-44-0	
Total Organic Carbon	**0.63J**	mg/L	0.85	0.25	1		05/09/18 02:26	7440-44-0	
Mean Total Organic Carbon	**0.64J**	mg/L	0.85	0.25	1		05/09/18 02:26	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-14S **Lab ID: 40168315015** Collected: 04/25/18 11:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:51	7440-38-2	
Barium, Dissolved	**88.0**	ug/L	5.0	1.5	1		05/02/18 12:51	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:51	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:51	7440-48-4	
Iron, Dissolved	**5130**	ug/L	100	15.5	1		05/02/18 12:51	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:51	7439-92-1	
Manganese, Dissolved	**852**	ug/L	5.0	1.1	1		05/02/18 12:51	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:51	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:20	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 13:49	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 13:49	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 13:49	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 13:49	75-35-4	
1,2,4-Trimethylbenzene	**4.1**	ug/L	1.0	0.50	1		05/03/18 13:49	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 13:49	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:49	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 13:49	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:49	78-87-5	
1,3,5-Trimethylbenzene	**0.95J**	ug/L	1.0	0.50	1		05/03/18 13:49	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 13:49	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 13:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 13:49	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 13:49	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 13:49	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 13:49	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 13:49	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 13:49	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 13:49	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 13:49	75-71-8	
Ethylbenzene	**0.67J**	ug/L	1.0	0.50	1		05/03/18 13:49	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 13:49	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-14S **Lab ID: 40168315015** Collected: 04/25/18 11:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**1.3**	ug/L	1.0	0.14	1		05/03/18 13:49	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 13:49	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:49	75-09-2	
Naphthalene	**21.6**	ug/L	5.0	2.5	1		05/03/18 13:49	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 13:49	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 13:49	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:49	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:49	75-01-4	
Xylene (Total)	**2.1J**	ug/L	3.0	1.5	1		05/03/18 13:49	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 13:49	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	10061-01-5	
n-Butylbenzene	**2.6**	ug/L	1.0	0.50	1		05/03/18 13:49	104-51-8	
n-Propylbenzene	**1.9**	ug/L	1.0	0.50	1		05/03/18 13:49	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 13:49	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/03/18 13:49	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/03/18 13:49	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 13:49	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 13:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/03/18 13:49	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		05/03/18 13:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/03/18 13:49	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.48**	Std. Units			1		04/25/18 11:00		
Field Specific Conductance	**288**	umhos/cm			1		04/25/18 11:00		
Oxygen, Dissolved	**1.3**	mg/L			1		04/25/18 11:00	7782-44-7	
REDOX	**-48.0**	mV			1		04/25/18 11:00		
Turbidity	**N**	no units			1		04/25/18 11:00		
Static Water Level	**646.45**	feet			1		04/25/18 11:00		
Apparent Color	**N**	no units			1		04/25/18 11:00		
Odor	**N**	no units			1		04/25/18 11:00		
Temperature, Water (C)	**7.71**	deg C			1		04/25/18 11:00		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**156**	mg/L	23.5	7.0	1		05/04/18 12:45		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.9**	mg/L	1.7	0.51	2		05/09/18 03:07	7440-44-0	
Total Organic Carbon	**3.0**	mg/L	1.7	0.51	2		05/09/18 03:07	7440-44-0	
Total Organic Carbon	**3.1**	mg/L	1.7	0.51	2		05/09/18 03:07	7440-44-0	
Total Organic Carbon	**3.1**	mg/L	1.7	0.51	2		05/09/18 03:07	7440-44-0	
Mean Total Organic Carbon	**3.0**	mg/L	1.7	0.51	2		05/09/18 03:07	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-15M **Lab ID: 40168315016** Collected: 04/23/18 15:20 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 12:54	7440-38-2	
Barium, Dissolved	**595**	ug/L	5.0	1.5	1		05/02/18 12:54	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:54	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 12:54	7440-48-4	
Iron, Dissolved	**299**	ug/L	100	15.5	1		05/02/18 12:54	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:54	7439-92-1	
Manganese, Dissolved	**2270**	ug/L	5.0	1.1	1		05/02/18 12:54	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:54	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:22	7439-97-6	
Field Data	Analytical Method:								
Field pH	**7.30**	Std. Units			1		04/23/18 15:20		
Field Specific Conductance	**345**	umhos/cm			1		04/23/18 15:20		
Oxygen, Dissolved	**0.27**	mg/L			1		04/23/18 15:20	7782-44-7	
REDOX	**-77.5**	mV			1		04/23/18 15:20		
Turbidity	**N**	no units			1		04/23/18 15:20		
Static Water Level	**645.21**	feet			1		04/23/18 15:20		
Apparent Color	**N**	no units			1		04/23/18 15:20		
Odor	**N**	no units			1		04/23/18 15:20		
Temperature, Water (C)	**10.85**	deg C			1		04/23/18 15:20		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**148**	mg/L	23.5	7.0	1		05/04/18 10:13		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.5**	mg/L	0.85	0.25	1		05/09/18 03:49	7440-44-0	
Total Organic Carbon	**2.5**	mg/L	0.85	0.25	1		05/09/18 03:49	7440-44-0	
Total Organic Carbon	**2.6**	mg/L	0.85	0.25	1		05/09/18 03:49	7440-44-0	
Total Organic Carbon	**2.5**	mg/L	0.85	0.25	1		05/09/18 03:49	7440-44-0	
Mean Total Organic Carbon	**2.5**	mg/L	0.85	0.25	1		05/09/18 03:49	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-16S **Lab ID: 40168315017** Collected: 04/25/18 15:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**10.7J**	ug/L	20.0	5.4	1		05/02/18 12:56	7440-38-2	
Barium, Dissolved	**184**	ug/L	5.0	1.5	1		05/02/18 12:56	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:56	7440-43-9	
Cobalt, Dissolved	**1.6J**	ug/L	5.0	1.4	1		05/02/18 12:56	7440-48-4	
Iron, Dissolved	**19300**	ug/L	100	15.5	1		05/02/18 12:56	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:56	7439-92-1	
Manganese, Dissolved	**1690**	ug/L	5.0	1.1	1		05/02/18 12:56	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:56	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:29	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 14:10	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 14:10	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 14:10	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 14:10	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 14:10	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:10	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 14:10	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:10	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 14:10	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 14:10	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 14:10	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 14:10	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 14:10	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 14:10	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 14:10	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 14:10	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 14:10	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 14:10	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 14:10	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-16S **Lab ID: 40168315017** Collected: 04/25/18 15:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/03/18 14:10	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 14:10	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:10	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/03/18 14:10	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 14:10	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 14:10	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:10	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:10	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 14:10	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 14:10	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:10	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/03/18 14:10	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:10	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 14:10	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:10	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/03/18 14:10	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		05/03/18 14:10	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/03/18 14:10	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.29**	Std. Units			1		04/25/18 15:05		
Field Specific Conductance	**519**	umhos/cm			1		04/25/18 15:05		
Oxygen, Dissolved	**0.79**	mg/L			1		04/25/18 15:05	7782-44-7	
REDOX	**-39.0**	mV			1		04/25/18 15:05		
Turbidity	**N**	no units			1		04/25/18 15:05		
Static Water Level	**646.01**	feet			1		04/25/18 15:05		
Apparent Color	**N**	no units			1		04/25/18 15:05		
Odor	**N**	no units			1		04/25/18 15:05		
Temperature, Water (C)	**7.66**	deg C			1		04/25/18 15:05		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**300**	mg/L	23.5	7.0	1		05/04/18 12:46		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**3.7**	mg/L	1.7	0.51	2		05/09/18 04:31	7440-44-0	
Total Organic Carbon	**3.6**	mg/L	1.7	0.51	2		05/09/18 04:31	7440-44-0	
Total Organic Carbon	**3.6**	mg/L	1.7	0.51	2		05/09/18 04:31	7440-44-0	
Total Organic Carbon	**3.6**	mg/L	1.7	0.51	2		05/09/18 04:31	7440-44-0	
Mean Total Organic Carbon	**3.6**	mg/L	1.7	0.51	2		05/09/18 04:31	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-16M **Lab ID: 40168315018** Collected: 04/25/18 15:20 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**34.2**	ug/L	20.0	5.4	1		05/02/18 12:58	7440-38-2	
Barium, Dissolved	**1950**	ug/L	5.0	1.5	1		05/02/18 12:58	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 12:58	7440-43-9	
Cobalt, Dissolved	**3.7J**	ug/L	5.0	1.4	1		05/02/18 12:58	7440-48-4	
Iron, Dissolved	**32800**	ug/L	100	15.5	1		05/02/18 12:58	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 12:58	7439-92-1	
Manganese, Dissolved	**1920**	ug/L	5.0	1.1	1		05/02/18 12:58	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 12:58	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:36	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 14:32	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 14:32	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 14:32	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 14:32	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 14:32	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:32	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 14:32	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:32	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 14:32	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 14:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 14:32	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 14:32	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 14:32	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 14:32	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 14:32	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 14:32	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 14:32	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 14:32	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 14:32	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-16M **Lab ID: 40168315018** Collected: 04/25/18 15:20 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**52.8**	ug/L	1.0	0.14	1		05/03/18 14:32	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 14:32	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:32	75-09-2	
Naphthalene	**43.0**	ug/L	5.0	2.5	1		05/03/18 14:32	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 14:32	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 14:32	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:32	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:32	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 14:32	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 14:32	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:32	10061-01-5	
n-Butylbenzene	**11.9**	ug/L	1.0	0.50	1		05/03/18 14:32	104-51-8	
n-Propylbenzene	**110**	ug/L	1.0	0.50	1		05/03/18 14:32	103-65-1	
p-Isopropyltoluene	**1.1**	ug/L	1.0	0.50	1		05/03/18 14:32	99-87-6	
sec-Butylbenzene	**22.7**	ug/L	5.0	2.2	1		05/03/18 14:32	135-98-8	
tert-Butylbenzene	**16.7**	ug/L	1.0	0.18	1		05/03/18 14:32	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 14:32	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		05/03/18 14:32	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		05/03/18 14:32	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/03/18 14:32	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.95**	Std. Units			1		04/25/18 15:20		
Field Specific Conductance	**620**	umhos/cm			1		04/25/18 15:20		
Oxygen, Dissolved	**0.14**	mg/L			1		04/25/18 15:20	7782-44-7	
REDOX	**-143.1**	mV			1		04/25/18 15:20		
Turbidity	**N**	no units			1		04/25/18 15:20		
Static Water Level	**646.04**	feet			1		04/25/18 15:20		
Apparent Color	**N**	no units			1		04/25/18 15:20		
Odor	**N**	no units			1		04/25/18 15:20		
Temperature, Water (C)	**11.48**	deg C			1		04/25/18 15:20		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**302**	mg/L	23.5	7.0	1		05/04/18 12:46		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**6.2**	mg/L	5.1	1.5	6		05/09/18 05:12	7440-44-0	
Total Organic Carbon	**6.1**	mg/L	5.1	1.5	6		05/09/18 05:12	7440-44-0	
Total Organic Carbon	**5.8**	mg/L	5.1	1.5	6		05/09/18 05:12	7440-44-0	
Total Organic Carbon	**5.9**	mg/L	5.1	1.5	6		05/09/18 05:12	7440-44-0	
Mean Total Organic Carbon	**6.0**	mg/L	5.1	1.5	6		05/09/18 05:12	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-17S **Lab ID: 40168315019** Collected: 04/25/18 13:30 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**10.4J**	ug/L	20.0	5.4	1		05/02/18 13:01	7440-38-2	
Barium, Dissolved	**187**	ug/L	5.0	1.5	1		05/02/18 13:01	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:01	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 13:01	7440-48-4	
Iron, Dissolved	**13400**	ug/L	100	15.5	1		05/02/18 13:01	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:01	7439-92-1	
Manganese, Dissolved	**1540**	ug/L	5.0	1.1	1		05/02/18 13:01	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:01	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:43	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		05/04/18 10:15	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		05/04/18 10:15	79-00-5	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		05/04/18 10:15	75-34-3	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		05/04/18 10:15	75-35-4	
1,2,4-Trimethylbenzene	**436**	ug/L	10.0	5.0	10		05/04/18 10:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		05/04/18 10:15	96-12-8	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		05/04/18 10:15	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	95-50-1	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		05/04/18 10:15	107-06-2	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		05/04/18 10:15	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	106-46-7	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		05/04/18 10:15	78-93-3	
2-Hexanone	**<11.1**	ug/L	50.0	11.1	10		05/04/18 10:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<21.4**	ug/L	50.0	21.4	10		05/04/18 10:15	108-10-1	
Acetone	**<29.5**	ug/L	200	29.5	10		05/04/18 10:15	67-64-1	
Benzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	71-43-2	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		05/04/18 10:15	74-83-9	
Carbon disulfide	**<6.1**	ug/L	50.0	6.1	10		05/04/18 10:15	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		05/04/18 10:15	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		05/04/18 10:15	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	124-48-1	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		05/04/18 10:15	74-95-3	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		05/04/18 10:15	75-71-8	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		05/04/18 10:15	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-17S **Lab ID: 40168315019** Collected: 04/25/18 13:30 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**9.8J**	ug/L	10.0	1.4	10		05/04/18 10:15	98-82-8	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		05/04/18 10:15	1634-04-4	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		05/04/18 10:15	75-09-2	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		05/04/18 10:15	91-20-3	
Styrene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	100-42-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	127-18-4	
Tetrahydrofuran	**<20.3**	ug/L	50.0	20.3	10		05/04/18 10:15	109-99-9	
Toluene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	108-88-3	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		05/04/18 10:15	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		05/04/18 10:15	75-69-4	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		05/04/18 10:15	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		05/04/18 10:15	1330-20-7	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		05/04/18 10:15	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 10:15	10061-01-5	
n-Butylbenzene	**6.7J**	ug/L	10.0	5.0	10		05/04/18 10:15	104-51-8	
n-Propylbenzene	**19.7**	ug/L	10.0	5.0	10		05/04/18 10:15	103-65-1	
p-Isopropyltoluene	**8.3J**	ug/L	10.0	5.0	10		05/04/18 10:15	99-87-6	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		05/04/18 10:15	135-98-8	
tert-Butylbenzene	**9.3J**	ug/L	10.0	1.8	10		05/04/18 10:15	98-06-6	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		05/04/18 10:15	156-60-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		05/04/18 10:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		10		05/04/18 10:15	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		10		05/04/18 10:15	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		05/04/18 10:15	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.61**	Std. Units			1		04/25/18 13:30		
Field Specific Conductance	**399**	umhos/cm			1		04/25/18 13:30		
Oxygen, Dissolved	**1.42**	mg/L			1		04/25/18 13:30	7782-44-7	
REDOX	**-81.8**	mV			1		04/25/18 13:30		
Turbidity	**N**	no units			1		04/25/18 13:30		
Static Water Level	**646.22**	feet			1		04/25/18 13:30		
Apparent Color	**N**	no units			1		04/25/18 13:30		
Odor	**N**	no units			1		04/25/18 13:30		
Temperature, Water (C)	**7.68**	deg C			1		04/25/18 13:30		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**237**	mg/L	23.5	7.0	1		05/04/18 12:47		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.7**	mg/L	0.85	0.25	1		05/09/18 05:54	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		05/09/18 05:54	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		05/09/18 05:54	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		05/09/18 05:54	7440-44-0	
Mean Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		05/09/18 05:54	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-17M **Lab ID: 40168315020** Collected: 04/25/18 13:50 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**14.3J**	ug/L	20.0	5.4	1		05/02/18 13:03	7440-38-2	
Barium, Dissolved	**779**	ug/L	5.0	1.5	1		05/02/18 13:03	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:03	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 13:03	7440-48-4	
Iron, Dissolved	**6460**	ug/L	100	15.5	1		05/02/18 13:03	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:03	7439-92-1	
Manganese, Dissolved	**1110**	ug/L	5.0	1.1	1		05/02/18 13:03	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:03	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:45	7439-97-6	
Field Data	Analytical Method:								
Field pH	**7.41**	Std. Units			1		04/25/18 13:50		
Field Specific Conductance	**407**	umhos/cm			1		04/25/18 13:50		
Oxygen, Dissolved	**0.1**	mg/L			1		04/25/18 13:50	7782-44-7	
REDOX	**-172.8**	mV			1		04/25/18 13:50		
Turbidity	**N**	no units			1		04/25/18 13:50		
Static Water Level	**646.30**	feet			1		04/25/18 13:50		
Apparent Color	**N**	no units			1		04/25/18 13:50		
Odor	**N**	no units			1		04/25/18 13:50		
Temperature, Water (C)	**10.48**	deg C			1		04/25/18 13:50		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**211**	mg/L	23.5	7.0	1		05/04/18 12:48		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/09/18 06:36	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/09/18 06:36	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/09/18 06:36	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/09/18 06:36	7440-44-0	
Mean Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/09/18 06:36	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-1 **Lab ID: 40168315021** Collected: 04/25/18 12:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**8.4J**	ug/L	20.0	5.4	1		05/02/18 13:18	7440-38-2	
Barium, Dissolved	**128**	ug/L	5.0	1.5	1		05/02/18 13:18	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:18	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 13:18	7440-48-4	
Iron, Dissolved	**<15.5**	ug/L	100	15.5	1		05/02/18 13:18	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:18	7439-92-1	
Manganese, Dissolved	**2170**	ug/L	5.0	1.1	1		05/02/18 13:18	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:18	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:48	7439-97-6	
Field Data	Analytical Method:								
Field pH	**7.65**	Std. Units			1		04/25/18 12:00		
Field Specific Conductance	**431**	umhos/cm			1		04/25/18 12:00		
Oxygen, Dissolved	**0.17**	mg/L			1		04/25/18 12:00	7782-44-7	
REDOX	**-32.6**	mV			1		04/25/18 12:00		
Turbidity	**N**	no units			1		04/25/18 12:00		
Static Water Level	**646.26**	feet			1		04/25/18 12:00		
Apparent Color	**N**	no units			1		04/25/18 12:00		
Odor	**N**	no units			1		04/25/18 12:00		
Temperature, Water (C)	**9.75**	deg C			1		04/25/18 12:00		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**237**	mg/L	23.5	7.0	1		05/04/18 12:49		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.8**	mg/L	0.85	0.25	1		05/11/18 18:47	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.85	0.25	1		05/11/18 18:47	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.85	0.25	1		05/11/18 18:47	7440-44-0	
Total Organic Carbon	**1.8**	mg/L	0.85	0.25	1		05/11/18 18:47	7440-44-0	
Mean Total Organic Carbon	**1.8**	mg/L	0.85	0.25	1		05/11/18 18:47	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-2 **Lab ID: 40168315022** Collected: 04/25/18 10:45 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**8.9J**	ug/L	20.0	5.4	1		05/02/18 13:25	7440-38-2	
Barium, Dissolved	**77.8**	ug/L	5.0	1.5	1		05/02/18 13:25	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:25	7440-43-9	
Cobalt, Dissolved	**2.2J**	ug/L	5.0	1.4	1		05/02/18 13:25	7440-48-4	
Iron, Dissolved	**27800**	ug/L	100	15.5	1		05/02/18 13:25	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:25	7439-92-1	
Manganese, Dissolved	**3190**	ug/L	5.0	1.1	1		05/02/18 13:25	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:25	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:50	7439-97-6	
Field Data	Analytical Method:								
Field pH	**6.39**	Std. Units			1		04/25/18 10:45		
Field Specific Conductance	**403**	umhos/cm			1		04/25/18 10:45		
Oxygen, Dissolved	**1.17**	mg/L			1		04/25/18 10:45	7782-44-7	
REDOX	**-77.4**	mV			1		04/25/18 10:45		
Turbidity	**N**	no units			1		04/25/18 10:45		
Static Water Level	**646.21**	feet			1		04/25/18 10:45		
Apparent Color	**N**	no units			1		04/25/18 10:45		
Odor	**N**	no units			1		04/25/18 10:45		
Temperature, Water (C)	**7.58**	deg C			1		04/25/18 10:45		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**197**	mg/L	23.5	7.0	1		05/04/18 12:49		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**7.3**	mg/L	5.1	1.5	6		05/14/18 08:19	7440-44-0	
Total Organic Carbon	**7.1**	mg/L	5.1	1.5	6		05/14/18 08:19	7440-44-0	
Total Organic Carbon	**7.2**	mg/L	5.1	1.5	6		05/14/18 08:19	7440-44-0	
Total Organic Carbon	**7.0**	mg/L	5.1	1.5	6		05/14/18 08:19	7440-44-0	
Mean Total Organic Carbon	**7.1**	mg/L	5.1	1.5	6		05/14/18 08:19	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-3 **Lab ID: 40168315023** Collected: 04/23/18 16:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**5.7J**	ug/L	20.0	5.4	1		05/02/18 13:27	7440-38-2	
Barium, Dissolved	**120**	ug/L	5.0	1.5	1		05/02/18 13:27	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:27	7440-43-9	
Cobalt, Dissolved	**1.8J**	ug/L	5.0	1.4	1		05/02/18 13:27	7440-48-4	
Iron, Dissolved	**485**	ug/L	100	15.5	1		05/02/18 13:27	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:27	7439-92-1	
Manganese, Dissolved	**4800**	ug/L	5.0	1.1	1		05/02/18 13:27	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:27	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:52	7439-97-6	
Field Data	Analytical Method:								
Field pH	**6.81**	Std. Units			1		04/23/18 16:00		
Field Specific Conductance	**352**	umhos/cm			1		04/23/18 16:00		
Oxygen, Dissolved	**0.41**	mg/L			1		04/23/18 16:00	7782-44-7	
REDOX	**-21.3**	mV			1		04/23/18 16:00		
Turbidity	**N**	no units			1		04/23/18 16:00		
Static Water Level	**645.58**	feet			1		04/23/18 16:00		
Apparent Color	**N**	no units			1		04/23/18 16:00		
Odor	**N**	no units			1		04/23/18 16:00		
Temperature, Water (C)	**9.87**	deg C			1		04/23/18 16:00		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**189**	mg/L	23.5	7.0	1		05/04/18 10:13		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.3**	mg/L	0.85	0.25	1		05/11/18 22:57	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/11/18 22:57	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/11/18 22:57	7440-44-0	
Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/11/18 22:57	7440-44-0	
Mean Total Organic Carbon	**2.2**	mg/L	0.85	0.25	1		05/11/18 22:57	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-4 **Lab ID: 40168315024** Collected: 04/24/18 14:10 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 13:30	7440-38-2	
Barium, Dissolved	**280**	ug/L	5.0	1.5	1		05/02/18 13:30	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:30	7440-43-9	
Cobalt, Dissolved	**2.7J**	ug/L	5.0	1.4	1		05/02/18 13:30	7440-48-4	
Iron, Dissolved	**35.6J**	ug/L	100	15.5	1		05/02/18 13:30	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:30	7439-92-1	
Manganese, Dissolved	**3220**	ug/L	5.0	1.1	1		05/02/18 13:30	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:30	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:55	7439-97-6	
Field Data	Analytical Method:								
Field pH	**6.96**	Std. Units			1		04/24/18 14:10		
Field Specific Conductance	**514**	umhos/cm			1		04/24/18 14:10		
Oxygen, Dissolved	**0.29**	mg/L			1		04/24/18 14:10	7782-44-7	
REDOX	**27.9**	mV			1		04/24/18 14:10		
Turbidity	**N**	no units			1		04/24/18 14:10		
Static Water Level	**645.43**	feet			1		04/24/18 14:10		
Apparent Color	**N**	no units			1		04/24/18 14:10		
Odor	**N**	no units			1		04/24/18 14:10		
Temperature, Water (C)	**9.80**	deg C			1		04/24/18 14:10		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**278**	mg/L	23.5	7.0	1		05/04/18 12:07		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.8**	mg/L	0.85	0.25	1		05/11/18 23:38	7440-44-0	
Total Organic Carbon	**2.8**	mg/L	0.85	0.25	1		05/11/18 23:38	7440-44-0	
Total Organic Carbon	**2.9**	mg/L	0.85	0.25	1		05/11/18 23:38	7440-44-0	
Total Organic Carbon	**2.9**	mg/L	0.85	0.25	1		05/11/18 23:38	7440-44-0	
Mean Total Organic Carbon	**2.8**	mg/L	0.85	0.25	1		05/11/18 23:38	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-5 **Lab ID: 40168315025** Collected: 04/23/18 11:20 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**6.3J**	ug/L	20.0	5.4	1		05/02/18 13:32	7440-38-2	
Barium, Dissolved	**143**	ug/L	5.0	1.5	1		05/02/18 13:32	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:32	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 13:32	7440-48-4	
Iron, Dissolved	**6540**	ug/L	100	15.5	1		05/02/18 13:32	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:32	7439-92-1	
Manganese, Dissolved	**1230**	ug/L	5.0	1.1	1		05/02/18 13:32	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:32	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	2.0	0.50	2		05/04/18 10:37	79-34-5	
1,1,2-Trichloroethane	**<0.39**	ug/L	2.0	0.39	2		05/04/18 10:37	79-00-5	
1,1-Dichloroethane	**<0.48**	ug/L	2.0	0.48	2		05/04/18 10:37	75-34-3	
1,1-Dichloroethene	**<0.82**	ug/L	2.0	0.82	2		05/04/18 10:37	75-35-4	
1,2,4-Trimethylbenzene	**334**	ug/L	2.0	1.0	2		05/04/18 10:37	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/L	10.0	4.3	2		05/04/18 10:37	96-12-8	
1,2-Dibromoethane (EDB)	**<0.36**	ug/L	2.0	0.36	2		05/04/18 10:37	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	95-50-1	
1,2-Dichloroethane	**<0.34**	ug/L	2.0	0.34	2		05/04/18 10:37	107-06-2	
1,2-Dichloropropane	**<0.47**	ug/L	2.0	0.47	2		05/04/18 10:37	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	106-46-7	
2-Butanone (MEK)	**<6.0**	ug/L	40.0	6.0	2		05/04/18 10:37	78-93-3	
2-Hexanone	**<2.2**	ug/L	10.0	2.2	2		05/04/18 10:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<4.3**	ug/L	10.0	4.3	2		05/04/18 10:37	108-10-1	
Acetone	**<5.9**	ug/L	40.0	5.9	2		05/04/18 10:37	67-64-1	
Benzene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	75-27-4	
Bromoform	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	75-25-2	
Bromomethane	**<4.9**	ug/L	10.0	4.9	2		05/04/18 10:37	74-83-9	
Carbon disulfide	**<1.2**	ug/L	10.0	1.2	2		05/04/18 10:37	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	56-23-5	
Chlorobenzene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	108-90-7	
Chloroethane	**<0.75**	ug/L	2.0	0.75	2		05/04/18 10:37	75-00-3	
Chloroform	**<5.0**	ug/L	10.0	5.0	2		05/04/18 10:37	67-66-3	
Chloromethane	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	124-48-1	
Dibromomethane	**<0.85**	ug/L	2.0	0.85	2		05/04/18 10:37	74-95-3	
Dichlorodifluoromethane	**<0.45**	ug/L	2.0	0.45	2		05/04/18 10:37	75-71-8	
Ethylbenzene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	100-41-4	
Hexachloro-1,3-butadiene	**<4.2**	ug/L	10.0	4.2	2		05/04/18 10:37	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-5 **Lab ID: 40168315025** Collected: 04/23/18 11:20 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**2.9**	ug/L	2.0	0.29	2		05/04/18 10:37	98-82-8	
Methyl-tert-butyl ether	**<0.35**	ug/L	2.0	0.35	2		05/04/18 10:37	1634-04-4	
Methylene Chloride	**<0.47**	ug/L	2.0	0.47	2		05/04/18 10:37	75-09-2	
Naphthalene	**<5.0**	ug/L	10.0	5.0	2		05/04/18 10:37	91-20-3	
Styrene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	127-18-4	
Tetrahydrofuran	**<4.1**	ug/L	10.0	4.1	2		05/04/18 10:37	109-99-9	
Toluene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	108-88-3	
Trichloroethene	**<0.66**	ug/L	2.0	0.66	2		05/04/18 10:37	79-01-6	
Trichlorofluoromethane	**<0.37**	ug/L	2.0	0.37	2		05/04/18 10:37	75-69-4	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		05/04/18 10:37	75-01-4	
Xylene (Total)	**<3.0**	ug/L	6.0	3.0	2		05/04/18 10:37	1330-20-7	
cis-1,2-Dichloroethene	**<0.51**	ug/L	2.0	0.51	2		05/04/18 10:37	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	2.0	1.0	2		05/04/18 10:37	10061-01-5	
n-Butylbenzene	**5.7**	ug/L	2.0	1.0	2		05/04/18 10:37	104-51-8	
n-Propylbenzene	**5.5**	ug/L	2.0	1.0	2		05/04/18 10:37	103-65-1	
p-Isopropyltoluene	**14.3**	ug/L	2.0	1.0	2		05/04/18 10:37	99-87-6	
sec-Butylbenzene	**16.7**	ug/L	10.0	4.4	2		05/04/18 10:37	135-98-8	
tert-Butylbenzene	**3.9**	ug/L	2.0	0.36	2		05/04/18 10:37	98-06-6	
trans-1,2-Dichloroethene	**<0.51**	ug/L	2.0	0.51	2		05/04/18 10:37	156-60-5	
trans-1,3-Dichloropropene	**<0.46**	ug/L	2.0	0.46	2		05/04/18 10:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		2		05/04/18 10:37	460-00-4	
Dibromofluoromethane (S)	96	%	67-130		2		05/04/18 10:37	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2		05/04/18 10:37	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.88**	Std. Units			1		04/23/18 11:20		
Field Specific Conductance	**351**	umhos/cm			1		04/23/18 11:20		
Oxygen, Dissolved	**2.18**	mg/L			1		04/23/18 11:20	7782-44-7	
REDOX	**-80.3**	mV			1		04/23/18 11:20		
Turbidity	**N**	no units			1		04/23/18 11:20		
Static Water Level	**645.22**	feet			1		04/23/18 11:20		
Apparent Color	**N**	no units			1		04/23/18 11:20		
Odor	**N**	no units			1		04/23/18 11:20		
Temperature, Water (C)	**9.08**	deg C			1		04/23/18 11:20		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**188**	mg/L	23.5	7.0	1		05/04/18 10:14		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/12/18 00:41	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/12/18 00:41	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/12/18 00:41	7440-44-0	
Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/12/18 00:41	7440-44-0	
Mean Total Organic Carbon	**1.3**	mg/L	0.85	0.25	1		05/12/18 00:41	7440-44-0	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-6 **Lab ID: 40168315026** Collected: 04/23/18 11:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 13:39	7440-38-2	
Barium, Dissolved	**23.7**	ug/L	5.0	1.5	1		05/02/18 13:39	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:39	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 13:39	7440-48-4	
Iron, Dissolved	**<15.5**	ug/L	100	15.5	1		05/02/18 13:39	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:39	7439-92-1	
Manganese, Dissolved	**<1.1**	ug/L	5.0	1.1	1		05/02/18 13:39	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:39	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 10:59	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 14:54	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 14:54	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 14:54	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 14:54	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 14:54	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:54	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 14:54	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:54	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	541-73-1	
1,4-Dichlorobenzene	**0.71J**	ug/L	1.0	0.50	1		05/03/18 14:54	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 14:54	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 14:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 14:54	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 14:54	67-64-1	
Benzene	**1.5**	ug/L	1.0	0.50	1		05/03/18 14:54	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 14:54	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 14:54	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	56-23-5	
Chlorobenzene	**0.96J**	ug/L	1.0	0.50	1		05/03/18 14:54	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 14:54	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 14:54	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 14:54	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 14:54	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 14:54	87-68-3	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-6 **Lab ID: 40168315026** Collected: 04/23/18 11:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**101**	ug/L	1.0	0.14	1		05/03/18 14:54	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 14:54	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:54	75-09-2	
Naphthalene	**57.3**	ug/L	5.0	2.5	1		05/03/18 14:54	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 14:54	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 14:54	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:54	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 14:54	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 14:54	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 14:54	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 14:54	10061-01-5	
n-Butylbenzene	**11.5**	ug/L	1.0	0.50	1		05/03/18 14:54	104-51-8	
n-Propylbenzene	**150**	ug/L	1.0	0.50	1		05/03/18 14:54	103-65-1	
p-Isopropyltoluene	**0.58J**	ug/L	1.0	0.50	1		05/03/18 14:54	99-87-6	
sec-Butylbenzene	**27.9**	ug/L	5.0	2.2	1		05/03/18 14:54	135-98-8	
tert-Butylbenzene	**25.5**	ug/L	1.0	0.18	1		05/03/18 14:54	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 14:54	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 14:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		05/03/18 14:54	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		05/03/18 14:54	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/03/18 14:54	2037-26-5	
Field Data	Analytical Method:								
Field pH	**7.10**	Std. Units			1		04/23/18 11:00		
Field Specific Conductance	**388**	umhos/cm			1		04/23/18 11:00		
Oxygen, Dissolved	**6.4**	mg/L			1		04/23/18 11:00	7782-44-7	
REDOX	**147.9**	mV			1		04/23/18 11:00		
Turbidity	**N**	no units			1		04/23/18 11:00		
Static Water Level	**645.13**	feet			1		04/23/18 11:00		
Apparent Color	**N**	no units			1		04/23/18 11:00		
Odor	**N**	no units			1		04/23/18 11:00		
Temperature, Water (C)	**9.55**	deg C			1		04/23/18 11:00		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**205**	mg/L	23.5	7.0	1		05/04/18 10:14		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**0.91**	mg/L	0.85	0.25	1		05/12/18 01:23	7440-44-0	
Total Organic Carbon	**0.89**	mg/L	0.85	0.25	1		05/12/18 01:23	7440-44-0	
Total Organic Carbon	**0.86**	mg/L	0.85	0.25	1		05/12/18 01:23	7440-44-0	
Total Organic Carbon	**0.85**	mg/L	0.85	0.25	1		05/12/18 01:23	7440-44-0	
Mean Total Organic Carbon	**0.88**	mg/L	0.85	0.25	1		05/12/18 01:23	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PW-1 **Lab ID: 40168315027** Collected: 04/24/18 18:30 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/07/18 06:34	05/07/18 16:39	7440-38-2	
Barium	**24.8**	ug/L	5.0	1.5	1	05/07/18 06:34	05/07/18 16:39	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/07/18 06:34	05/07/18 16:39	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/07/18 06:34	05/07/18 16:39	7440-48-4	
Iron	**10400**	ug/L	100	34.0	1	05/07/18 06:34	05/07/18 16:39	7439-89-6	
Lead	**<4.3**	ug/L	13.0	4.3	1	05/07/18 06:34	05/07/18 16:39	7439-92-1	
Manganese	**133**	ug/L	5.5	1.8	1	05/07/18 06:34	05/07/18 16:39	7439-96-5	
Vanadium	**<2.2**	ug/L	10.0	2.2	1	05/07/18 06:34	05/07/18 16:39	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 08:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 15:16	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 15:16	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 15:16	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 15:16	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 15:16	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 15:16	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 15:16	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 15:16	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 15:16	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 15:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 15:16	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 15:16	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 15:16	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 15:16	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 15:16	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 15:16	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 15:16	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 15:16	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 15:16	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PW-1 **Lab ID: 40168315027** Collected: 04/24/18 18:30 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/03/18 15:16	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 15:16	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 15:16	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/03/18 15:16	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 15:16	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 15:16	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 15:16	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 15:16	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 15:16	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 15:16	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 15:16	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/03/18 15:16	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/03/18 15:16	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 15:16	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 15:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/03/18 15:16	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		05/03/18 15:16	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/03/18 15:16	2037-26-5	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PW-2 **Lab ID: 40168315028** Collected: 04/25/18 16:20 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/07/18 06:34	05/07/18 16:41	7440-38-2	
Barium	**117**	ug/L	5.0	1.5	1	05/07/18 06:34	05/07/18 16:41	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/07/18 06:34	05/07/18 16:41	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/07/18 06:34	05/07/18 16:41	7440-48-4	
Iron	**177**	ug/L	100	34.0	1	05/07/18 06:34	05/07/18 16:41	7439-89-6	
Lead	**<4.3**	ug/L	13.0	4.3	1	05/07/18 06:34	05/07/18 16:41	7439-92-1	
Manganese	**172**	ug/L	5.5	1.8	1	05/07/18 06:34	05/07/18 16:41	7439-96-5	
Vanadium	**<2.2**	ug/L	10.0	2.2	1	05/07/18 06:34	05/07/18 16:41	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:04	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/04/18 11:43	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/04/18 11:43	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/04/18 11:43	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/18 11:43	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/04/18 11:43	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/04/18 11:43	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/04/18 11:43	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/04/18 11:43	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/04/18 11:43	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/04/18 11:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/04/18 11:43	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/04/18 11:43	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/04/18 11:43	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/04/18 11:43	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/04/18 11:43	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/04/18 11:43	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/04/18 11:43	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/04/18 11:43	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/04/18 11:43	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PW-2 **Lab ID: 40168315028** Collected: 04/25/18 16:20 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/04/18 11:43	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/04/18 11:43	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/04/18 11:43	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/04/18 11:43	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/04/18 11:43	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/04/18 11:43	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/04/18 11:43	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/04/18 11:43	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/04/18 11:43	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 11:43	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 11:43	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/04/18 11:43	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/04/18 11:43	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 11:43	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/04/18 11:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/04/18 11:43	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		05/04/18 11:43	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/04/18 11:43	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PW-4 **Lab ID: 40168315029** Collected: 04/25/18 16:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<8.3**	ug/L	25.0	8.3	1	05/07/18 06:34	05/07/18 16:44	7440-38-2	
Barium	**20.0**	ug/L	5.0	1.5	1	05/07/18 06:34	05/07/18 16:44	7440-39-3	
Cadmium	**<1.3**	ug/L	5.0	1.3	1	05/07/18 06:34	05/07/18 16:44	7440-43-9	
Cobalt	**<1.4**	ug/L	5.0	1.4	1	05/07/18 06:34	05/07/18 16:44	7440-48-4	
Iron	**7580**	ug/L	100	34.0	1	05/07/18 06:34	05/07/18 16:44	7439-89-6	
Lead	**<4.3**	ug/L	13.0	4.3	1	05/07/18 06:34	05/07/18 16:44	7439-92-1	
Manganese	**119**	ug/L	5.5	1.8	1	05/07/18 06:34	05/07/18 16:44	7439-96-5	
Vanadium	**<2.2**	ug/L	10.0	2.2	1	05/07/18 06:34	05/07/18 16:44	7440-62-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 09:06	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/04/18 12:05	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/04/18 12:05	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/04/18 12:05	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/18 12:05	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/04/18 12:05	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:05	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/04/18 12:05	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:05	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/04/18 12:05	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/04/18 12:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/04/18 12:05	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/04/18 12:05	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/04/18 12:05	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/04/18 12:05	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/04/18 12:05	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/04/18 12:05	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/04/18 12:05	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/04/18 12:05	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/04/18 12:05	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PW-4 **Lab ID: 40168315029** Collected: 04/25/18 16:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/04/18 12:05	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/04/18 12:05	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:05	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/04/18 12:05	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/04/18 12:05	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/04/18 12:05	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:05	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:05	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/04/18 12:05	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 12:05	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:05	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/04/18 12:05	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:05	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 12:05	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/04/18 12:05	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		05/04/18 12:05	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/04/18 12:05	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-8S DUP **Lab ID: 40168315030** Collected: 04/23/18 14:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 13:42	7440-38-2	
Barium, Dissolved	**26.0**	ug/L	5.0	1.5	1		05/02/18 13:42	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:42	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 13:42	7440-48-4	
Iron, Dissolved	**<15.5**	ug/L	100	15.5	1		05/02/18 13:42	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:42	7439-92-1	
Manganese, Dissolved	**294**	ug/L	5.0	1.1	1		05/02/18 13:42	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:42	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 11:02	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/04/18 12:27	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/04/18 12:27	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/04/18 12:27	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/18 12:27	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/04/18 12:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:27	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/04/18 12:27	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:27	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/04/18 12:27	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/04/18 12:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/04/18 12:27	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/04/18 12:27	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/04/18 12:27	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/04/18 12:27	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/04/18 12:27	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/04/18 12:27	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/04/18 12:27	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/04/18 12:27	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/04/18 12:27	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-8S DUP **Lab ID: 40168315030** Collected: 04/23/18 14:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/04/18 12:27	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/04/18 12:27	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:27	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/04/18 12:27	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/04/18 12:27	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/04/18 12:27	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:27	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:27	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/04/18 12:27	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 12:27	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:27	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/04/18 12:27	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:27	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 12:27	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/04/18 12:27	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		05/04/18 12:27	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/04/18 12:27	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.83**	Std. Units			1		04/23/18 14:05		
Field Specific Conductance	**360**	umhos/cm			1		04/23/18 14:05		
Oxygen, Dissolved	**4.28**	mg/L			1		04/23/18 14:05	7782-44-7	
REDOX	**78.3**	mV			1		04/23/18 14:05		
Turbidity	**n**	no units			1		04/23/18 14:05		
Static Water Level	**645.18**	feet			1		04/23/18 14:05		
Apparent Color	**N**	no units			1		04/23/18 14:05		
Odor	**N**	no units			1		04/23/18 14:05		
Temperature, Water (C)	**9.02**	deg C			1		04/23/18 14:05		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**177**	mg/L	23.5	7.0	1		05/04/18 10:15		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/12/18 02:05	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/12/18 02:05	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/12/18 02:05	7440-44-0	
Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/12/18 02:05	7440-44-0	
Mean Total Organic Carbon	**1.4**	mg/L	0.85	0.25	1		05/12/18 02:05	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-14S DUP **Lab ID: 40168315031** Collected: 04/25/18 11:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		05/02/18 13:44	7440-38-2	
Barium, Dissolved	**88.1**	ug/L	5.0	1.5	1		05/02/18 13:44	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:44	7440-43-9	
Cobalt, Dissolved	**1.4J**	ug/L	5.0	1.4	1		05/02/18 13:44	7440-48-4	
Iron, Dissolved	**5200**	ug/L	100	15.5	1		05/02/18 13:44	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:44	7439-92-1	
Manganese, Dissolved	**886**	ug/L	5.0	1.1	1		05/02/18 13:44	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:44	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 11:04	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/04/18 12:48	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/04/18 12:48	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/04/18 12:48	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/04/18 12:48	75-35-4	
1,2,4-Trimethylbenzene	**3.7**	ug/L	1.0	0.50	1		05/04/18 12:48	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/04/18 12:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:48	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/04/18 12:48	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:48	78-87-5	
1,3,5-Trimethylbenzene	**0.82J**	ug/L	1.0	0.50	1		05/04/18 12:48	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/04/18 12:48	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/04/18 12:48	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/04/18 12:48	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/04/18 12:48	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/04/18 12:48	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/04/18 12:48	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/04/18 12:48	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/04/18 12:48	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/04/18 12:48	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/04/18 12:48	75-71-8	
Ethylbenzene	**0.56J**	ug/L	1.0	0.50	1		05/04/18 12:48	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/04/18 12:48	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-14S DUP **Lab ID: 40168315031** Collected: 04/25/18 11:05 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**1.3**	ug/L	1.0	0.14	1		05/04/18 12:48	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/04/18 12:48	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:48	75-09-2	
Naphthalene	**19.7**	ug/L	5.0	2.5	1		05/04/18 12:48	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/04/18 12:48	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/04/18 12:48	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:48	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:48	75-01-4	
Xylene (Total)	**1.9J**	ug/L	3.0	1.5	1		05/04/18 12:48	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 12:48	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	104-51-8	
n-Propylbenzene	**1.8**	ug/L	1.0	0.50	1		05/04/18 12:48	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/04/18 12:48	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/04/18 12:48	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/04/18 12:48	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/04/18 12:48	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/04/18 12:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		05/04/18 12:48	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		05/04/18 12:48	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/04/18 12:48	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.48**	Std. Units			1		04/25/18 11:05		
Field Specific Conductance	**288**	umhos/cm			1		04/25/18 11:05		
Oxygen, Dissolved	**1.3**	mg/L			1		04/25/18 11:05	7782-44-7	
REDOX	**-48.0**	mV			1		04/25/18 11:05		
Turbidity	**N**	no units			1		04/25/18 11:05		
Static Water Level	**646.45**	feet			1		04/25/18 11:05		
Apparent Color	**N**	no units			1		04/25/18 11:05		
Odor	**N**	no units			1		04/25/18 11:05		
Temperature, Water (C)	**7.71**	deg C			1		04/25/18 11:05		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**162**	mg/L	23.5	7.0	1		05/04/18 12:50		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.9**	mg/L	0.85	0.25	1		05/12/18 02:46	7440-44-0	
Total Organic Carbon	**3.0**	mg/L	0.85	0.25	1		05/12/18 02:46	7440-44-0	
Total Organic Carbon	**3.0**	mg/L	0.85	0.25	1		05/12/18 02:46	7440-44-0	
Total Organic Carbon	**3.1**	mg/L	0.85	0.25	1		05/12/18 02:46	7440-44-0	
Mean Total Organic Carbon	**3.0**	mg/L	0.85	0.25	1		05/12/18 02:46	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-4S DUP **Lab ID: 40168315032** Collected: 04/26/18 12:40 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**6.9J**	ug/L	20.0	5.4	1		05/02/18 13:46	7440-38-2	
Barium, Dissolved	**297**	ug/L	5.0	1.5	1		05/02/18 13:46	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		05/02/18 13:46	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		05/02/18 13:46	7440-48-4	
Iron, Dissolved	**11900**	ug/L	100	15.5	1		05/02/18 13:46	7439-89-6	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		05/02/18 13:46	7439-92-1	
Manganese, Dissolved	**892**	ug/L	5.0	1.1	1		05/02/18 13:46	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		05/02/18 13:46	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	05/02/18 10:05	05/03/18 11:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		05/04/18 09:32	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		05/04/18 09:32	79-00-5	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		05/04/18 09:32	75-34-3	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		05/04/18 09:32	75-35-4	
1,2,4-Trimethylbenzene	**504**	ug/L	10.0	5.0	10		05/04/18 09:32	95-63-6	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		05/04/18 09:32	96-12-8	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		05/04/18 09:32	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	95-50-1	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		05/04/18 09:32	107-06-2	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		05/04/18 09:32	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	106-46-7	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		05/04/18 09:32	78-93-3	
2-Hexanone	**<11.1**	ug/L	50.0	11.1	10		05/04/18 09:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<21.4**	ug/L	50.0	21.4	10		05/04/18 09:32	108-10-1	
Acetone	**<29.5**	ug/L	200	29.5	10		05/04/18 09:32	67-64-1	
Benzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	71-43-2	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		05/04/18 09:32	74-83-9	
Carbon disulfide	**<6.1**	ug/L	50.0	6.1	10		05/04/18 09:32	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		05/04/18 09:32	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		05/04/18 09:32	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	124-48-1	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		05/04/18 09:32	74-95-3	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		05/04/18 09:32	75-71-8	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		05/04/18 09:32	87-68-3	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-4S DUP **Lab ID: 40168315032** Collected: 04/26/18 12:40 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**14.8**	ug/L	10.0	1.4	10		05/04/18 09:32	98-82-8	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		05/04/18 09:32	1634-04-4	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		05/04/18 09:32	75-09-2	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		05/04/18 09:32	91-20-3	
Styrene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	100-42-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	127-18-4	
Tetrahydrofuran	**<20.3**	ug/L	50.0	20.3	10		05/04/18 09:32	109-99-9	
Toluene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	108-88-3	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		05/04/18 09:32	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		05/04/18 09:32	75-69-4	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		05/04/18 09:32	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		05/04/18 09:32	1330-20-7	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		05/04/18 09:32	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		05/04/18 09:32	10061-01-5	
n-Butylbenzene	**5.2J**	ug/L	10.0	5.0	10		05/04/18 09:32	104-51-8	
n-Propylbenzene	**26.1**	ug/L	10.0	5.0	10		05/04/18 09:32	103-65-1	
p-Isopropyltoluene	**8.9J**	ug/L	10.0	5.0	10		05/04/18 09:32	99-87-6	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		05/04/18 09:32	135-98-8	
tert-Butylbenzene	**2.1J**	ug/L	10.0	1.8	10		05/04/18 09:32	98-06-6	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		05/04/18 09:32	156-60-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		05/04/18 09:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		10		05/04/18 09:32	460-00-4	
Dibromofluoromethane (S)	95	%	67-130		10		05/04/18 09:32	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		05/04/18 09:32	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.75**	Std. Units			1		04/26/18 12:40		
Field Specific Conductance	**460**	umhos/cm			1		04/26/18 12:40		
Oxygen, Dissolved	**0.24**	mg/L			1		04/26/18 12:40	7782-44-7	
REDOX	**-83.9**	mV			1		04/26/18 12:40		
Turbidity	**N**	no units			1		04/26/18 12:40		
Static Water Level	**646.06**	feet			1		04/26/18 12:40		
Apparent Color	**N**	no units			1		04/26/18 12:40		
Odor	**N**	no units			1		04/26/18 12:40		
Temperature, Water (C)	**10.03**	deg C			1		04/26/18 12:40		
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**249**	mg/L	23.5	7.0	1		05/04/18 12:53		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.8**	mg/L	0.85	0.25	1		05/12/18 03:28	7440-44-0	
Total Organic Carbon	**2.7**	mg/L	0.85	0.25	1		05/12/18 03:28	7440-44-0	
Total Organic Carbon	**2.7**	mg/L	0.85	0.25	1		05/12/18 03:28	7440-44-0	
Total Organic Carbon	**2.7**	mg/L	0.85	0.25	1		05/12/18 03:28	7440-44-0	
Mean Total Organic Carbon	**2.7**	mg/L	0.85	0.25	1		05/12/18 03:28	7440-44-0	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: TRIP BLANK **Lab ID: 40168315033** Collected: 04/23/18 10:45 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/03/18 11:15	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/03/18 11:15	79-00-5	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/03/18 11:15	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/18 11:15	75-35-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/03/18 11:15	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:15	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/03/18 11:15	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:15	78-87-5	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	108-67-8	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		05/03/18 11:15	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		05/03/18 11:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		05/03/18 11:15	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		05/03/18 11:15	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	71-43-2	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/03/18 11:15	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		05/03/18 11:15	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/03/18 11:15	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/03/18 11:15	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	74-87-3	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	124-48-1	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/03/18 11:15	74-95-3	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/03/18 11:15	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/03/18 11:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/03/18 11:15	98-82-8	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/03/18 11:15	1634-04-4	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:15	75-09-2	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/03/18 11:15	91-20-3	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	127-18-4	
Tetrahydrofuran	**<2.0**	ug/L	5.0	2.0	1		05/03/18 11:15	109-99-9	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/03/18 11:15	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:15	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:15	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/03/18 11:15	1330-20-7	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 11:15	156-59-2	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: TRIP BLANK **Lab ID: 40168315033** Collected: 04/23/18 10:45 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	10061-01-5	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	104-51-8	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	103-65-1	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/03/18 11:15	99-87-6	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/03/18 11:15	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/03/18 11:15	98-06-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/03/18 11:15	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/03/18 11:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/03/18 11:15	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		05/03/18 11:15	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/03/18 11:15	2037-26-5	

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-1SR **Lab ID: 40168315034** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.93**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-2S **Lab ID: 40168315035** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.74**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-2M **Lab ID: 40168315036** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**646.51**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-4S **Lab ID: 40168315037** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.29**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-5S **Lab ID: 40168315038** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.55**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-6S **Lab ID: 40168315039** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.14**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-6M **Lab ID: 40168315040** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.15**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-7M **Lab ID: 40168315041** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.07**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-8S **Lab ID: 40168315042** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.06**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-8M **Lab ID: 40168315043** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.06**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-9M **Lab ID: 40168315044** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**644.70**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-10M **Lab ID: 40168315045** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**644.79**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-11M **Lab ID: 40168315046** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**644.71**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-12S **Lab ID: 40168315047** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.04**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-14S **Lab ID: 40168315048** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.57**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-15M **Lab ID: 40168315049** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.07**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-16S **Lab ID: 40168315050** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.39**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-16M **Lab ID: 40168315051** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.38**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-17S **Lab ID: 40168315052** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.47**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: MW-17M **Lab ID: 40168315053** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.55**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-1 **Lab ID: 40168315054** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.48**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-2 **Lab ID: 40168315055** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.50**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-3 **Lab ID: 40168315056** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.43**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-4 **Lab ID: 40168315057** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.72**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-5 **Lab ID: 40168315058** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.51**	feet			1		04/20/18 00:00		

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Sample: PZ-6 **Lab ID: 40168315059** Collected: 04/20/18 00:00 Received: 05/01/18 10:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**643.43**	feet			1		04/20/18 00:00		

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287630 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40168315001, 40168315002, 40168315003, 40168315004, 40168315005, 40168315006, 40168315007, 40168315008, 40168315009, 40168315010, 40168315011, 40168315012, 40168315013, 40168315014, 40168315015, 40168315016, 40168315017, 40168315018, 40168315019, 40168315020

METHOD BLANK: 1682792 Matrix: Water
Associated Lab Samples: 40168315001, 40168315002, 40168315003, 40168315004, 40168315005, 40168315006, 40168315007, 40168315008, 40168315009, 40168315010, 40168315011, 40168315012, 40168315013, 40168315014, 40168315015, 40168315016, 40168315017, 40168315018, 40168315019, 40168315020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<5.4	20.0	05/02/18 11:59	
Barium, Dissolved	ug/L	<1.5	5.0	05/02/18 11:59	
Cadmium, Dissolved	ug/L	<1.3	5.0	05/02/18 11:59	
Cobalt, Dissolved	ug/L	<1.4	5.0	05/02/18 11:59	
Iron, Dissolved	ug/L	<15.5	100	05/02/18 11:59	
Lead, Dissolved	ug/L	<4.3	13.0	05/02/18 11:59	
Manganese, Dissolved	ug/L	<1.1	5.0	05/02/18 11:59	
Vanadium, Dissolved	ug/L	<2.2	10.0	05/02/18 11:59	

LABORATORY CONTROL SAMPLE: 1682793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	491	98	80-120	
Barium, Dissolved	ug/L	500	494	99	80-120	
Cadmium, Dissolved	ug/L	500	496	99	80-120	
Cobalt, Dissolved	ug/L	500	489	98	80-120	
Iron, Dissolved	ug/L	5000	5120	102	80-120	
Lead, Dissolved	ug/L	500	473	95	80-120	
Manganese, Dissolved	ug/L	500	485	97	80-120	
Vanadium, Dissolved	ug/L	500	488	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682794 1682795

Parameter	Units	40168315001 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	<5.4	500	500	510	519	102	104	75-125	2	20	
Barium, Dissolved	ug/L	25.1	500	500	524	517	100	98	75-125	1	20	
Cadmium, Dissolved	ug/L	<1.3	500	500	508	515	102	103	75-125	1	20	
Cobalt, Dissolved	ug/L	<1.4	500	500	494	501	99	100	75-125	1	20	
Iron, Dissolved	ug/L	420	5000	5000	5570	5560	103	103	75-125	0	20	
Lead, Dissolved	ug/L	<4.3	500	500	483	494	97	99	75-125	2	20	
Manganese, Dissolved	ug/L	325	500	500	809	812	97	97	75-125	0	20	
Vanadium, Dissolved	ug/L	<2.2	500	500	497	496	99	99	75-125	0	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287631 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40168315021, 40168315022, 40168315023, 40168315024, 40168315025, 40168315026, 40168315030, 40168315031, 40168315032

METHOD BLANK: 1682796 Matrix: Water
Associated Lab Samples: 40168315021, 40168315022, 40168315023, 40168315024, 40168315025, 40168315026, 40168315030, 40168315031, 40168315032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<5.4	20.0	05/02/18 13:13	
Barium, Dissolved	ug/L	<1.5	5.0	05/02/18 13:13	
Cadmium, Dissolved	ug/L	<1.3	5.0	05/02/18 13:13	
Cobalt, Dissolved	ug/L	<1.4	5.0	05/02/18 13:13	
Iron, Dissolved	ug/L	<15.5	100	05/02/18 13:13	
Lead, Dissolved	ug/L	<4.3	13.0	05/02/18 13:13	
Manganese, Dissolved	ug/L	<1.1	5.0	05/02/18 13:13	
Vanadium, Dissolved	ug/L	<2.2	10.0	05/02/18 13:13	

LABORATORY CONTROL SAMPLE: 1682797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	507	101	80-120	
Barium, Dissolved	ug/L	500	512	102	80-120	
Cadmium, Dissolved	ug/L	500	504	101	80-120	
Cobalt, Dissolved	ug/L	500	502	100	80-120	
Iron, Dissolved	ug/L	5000	5320	106	80-120	
Lead, Dissolved	ug/L	500	488	98	80-120	
Manganese, Dissolved	ug/L	500	508	102	80-120	
Vanadium, Dissolved	ug/L	500	502	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682798 1682799

Parameter	Units	40168315021 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	8.4J	500	500	523	514	103	101	75-125	2	20	
Barium, Dissolved	ug/L	128	500	500	642	636	103	102	75-125	1	20	
Cadmium, Dissolved	ug/L	<1.3	500	500	517	511	103	102	75-125	1	20	
Cobalt, Dissolved	ug/L	<1.4	500	500	503	500	100	100	75-125	1	20	
Iron, Dissolved	ug/L	<15.5	5000	5000	5470	5400	109	108	75-125	1	20	
Lead, Dissolved	ug/L	<4.3	500	500	487	485	97	97	75-125	0	20	
Manganese, Dissolved	ug/L	2170	500	500	2610	2620	88	91	75-125	1	20	
Vanadium, Dissolved	ug/L	<2.2	500	500	510	510	102	102	75-125	0	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287622 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 40168315027, 40168315028, 40168315029

METHOD BLANK: 1682767 Matrix: Water
Associated Lab Samples: 40168315027, 40168315028, 40168315029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.13	0.42	05/03/18 08:52	

LABORATORY CONTROL SAMPLE: 1682768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682769 1682770

Parameter	Units	40168315027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.13	5	5	5.0	5.0	101	100	85-115	0	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287624 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 40168315001, 40168315002, 40168315003, 40168315004, 40168315005, 40168315006, 40168315007, 40168315008, 40168315009, 40168315010, 40168315011, 40168315012, 40168315013, 40168315014, 40168315015, 40168315016

METHOD BLANK: 1682775 Matrix: Water
Associated Lab Samples: 40168315001, 40168315002, 40168315003, 40168315004, 40168315005, 40168315006, 40168315007, 40168315008, 40168315009, 40168315010, 40168315011, 40168315012, 40168315013, 40168315014, 40168315015, 40168315016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.13	0.42	05/03/18 09:20	

LABORATORY CONTROL SAMPLE: 1682776

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682777 1682778

Parameter	Units	40168300001 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	<0.13	5	5	4.6	4.7	93	95	85-115	2	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287625 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 40168315017, 40168315018, 40168315019, 40168315020, 40168315021, 40168315022, 40168315023, 40168315024, 40168315025, 40168315026, 40168315030, 40168315031, 40168315032

METHOD BLANK: 1682779 Matrix: Water
Associated Lab Samples: 40168315017, 40168315018, 40168315019, 40168315020, 40168315021, 40168315022, 40168315023, 40168315024, 40168315025, 40168315026, 40168315030, 40168315031, 40168315032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.13	0.42	05/03/18 10:25	

LABORATORY CONTROL SAMPLE: 1682780

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682781 1682782

Parameter	Units	40168315017 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	<0.13	5	5	5.2	5.2	104	104	85-115	0	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287990 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 40168315027, 40168315028, 40168315029

METHOD BLANK: 1685265 Matrix: Water
Associated Lab Samples: 40168315027, 40168315028, 40168315029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<8.3	25.0	05/07/18 16:22	
Barium	ug/L	<1.5	5.0	05/07/18 16:22	
Cadmium	ug/L	<1.3	5.0	05/07/18 16:22	
Cobalt	ug/L	<1.4	5.0	05/07/18 16:22	
Iron	ug/L	<34.0	100	05/07/18 16:22	
Lead	ug/L	<4.3	13.0	05/07/18 16:22	
Manganese	ug/L	<1.8	5.5	05/07/18 16:22	
Vanadium	ug/L	<2.2	10.0	05/07/18 16:22	

LABORATORY CONTROL SAMPLE: 1685266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	484	97	80-120	
Barium	ug/L	500	477	95	80-120	
Cadmium	ug/L	500	486	97	80-120	
Cobalt	ug/L	500	486	97	80-120	
Iron	ug/L	5000	4950	99	80-120	
Lead	ug/L	500	482	96	80-120	
Manganese	ug/L	500	477	95	80-120	
Vanadium	ug/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685267 1685268

Parameter	Units	2075500001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	480	483	96	97	75-125	1	20	
Barium	ug/L	ND	500	500	476	470	95	94	75-125	1	20	
Cadmium	ug/L	ND	500	500	485	486	97	97	75-125	0	20	
Cobalt	ug/L	ND	500	500	484	478	97	96	75-125	1	20	
Iron	ug/L	ND	5000	5000	4970	4990	99	99	75-125	0	20	
Lead	ug/L	ND	500	500	477	480	95	96	75-125	1	20	
Manganese	ug/L	ND	500	500	484	481	97	96	75-125	1	20	
Vanadium	ug/L	ND	500	500	501	497	99	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287597 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40168315004, 40168315005, 40168315006, 40168315007, 40168315009, 40168315010, 40168315014, 40168315015, 40168315017, 40168315018, 40168315019, 40168315025, 40168315026, 40168315027, 40168315028, 40168315029, 40168315030, 40168315031, 40168315032, 40168315033

METHOD BLANK: 1682676 Matrix: Water
Associated Lab Samples: 40168315004, 40168315005, 40168315006, 40168315007, 40168315009, 40168315010, 40168315014, 40168315015, 40168315017, 40168315018, 40168315019, 40168315025, 40168315026, 40168315027, 40168315028, 40168315029, 40168315030, 40168315031, 40168315032, 40168315033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/03/18 07:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/03/18 07:15	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/03/18 07:15	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/03/18 07:15	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/03/18 07:15	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/03/18 07:15	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/03/18 07:15	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/03/18 07:15	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/03/18 07:15	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/03/18 07:15	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/03/18 07:15	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/03/18 07:15	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/03/18 07:15	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/03/18 07:15	
2-Butanone (MEK)	ug/L	<3.0	20.0	05/03/18 07:15	
2-Hexanone	ug/L	<1.1	5.0	05/03/18 07:15	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	05/03/18 07:15	
Acetone	ug/L	<3.0	20.0	05/03/18 07:15	
Benzene	ug/L	<0.50	1.0	05/03/18 07:15	
Bromodichloromethane	ug/L	<0.50	1.0	05/03/18 07:15	
Bromoform	ug/L	<0.50	1.0	05/03/18 07:15	
Bromomethane	ug/L	<2.4	5.0	05/03/18 07:15	
Carbon disulfide	ug/L	<0.61	5.0	05/03/18 07:15	
Carbon tetrachloride	ug/L	<0.50	1.0	05/03/18 07:15	
Chlorobenzene	ug/L	<0.50	1.0	05/03/18 07:15	
Chloroethane	ug/L	<0.37	1.0	05/03/18 07:15	
Chloroform	ug/L	<2.5	5.0	05/03/18 07:15	
Chloromethane	ug/L	<0.50	1.0	05/03/18 07:15	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/03/18 07:15	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/03/18 07:15	
Dibromochloromethane	ug/L	<0.50	1.0	05/03/18 07:15	
Dibromomethane	ug/L	<0.43	1.0	05/03/18 07:15	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/03/18 07:15	
Ethylbenzene	ug/L	<0.50	1.0	05/03/18 07:15	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/03/18 07:15	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/03/18 07:15	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/03/18 07:15	
Methylene Chloride	ug/L	<0.23	1.0	05/03/18 07:15	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

METHOD BLANK: 1682676 Matrix: Water

Associated Lab Samples: 40168315004, 40168315005, 40168315006, 40168315007, 40168315009, 40168315010, 40168315014, 40168315015, 40168315017, 40168315018, 40168315019, 40168315025, 40168315026, 40168315027, 40168315028, 40168315029, 40168315030, 40168315031, 40168315032, 40168315033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Butylbenzene	ug/L	<0.50	1.0	05/03/18 07:15	
n-Propylbenzene	ug/L	<0.50	1.0	05/03/18 07:15	
Naphthalene	ug/L	<2.5	5.0	05/03/18 07:15	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/03/18 07:15	
sec-Butylbenzene	ug/L	<2.2	5.0	05/03/18 07:15	
Styrene	ug/L	<0.50	1.0	05/03/18 07:15	
tert-Butylbenzene	ug/L	<0.18	1.0	05/03/18 07:15	
Tetrachloroethene	ug/L	<0.50	1.0	05/03/18 07:15	
Tetrahydrofuran	ug/L	<2.0	5.0	05/03/18 07:15	
Toluene	ug/L	<0.50	1.0	05/03/18 07:15	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/03/18 07:15	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/03/18 07:15	
Trichloroethene	ug/L	<0.33	1.0	05/03/18 07:15	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/03/18 07:15	
Vinyl chloride	ug/L	<0.18	1.0	05/03/18 07:15	
Xylene (Total)	ug/L	<1.5	3.0	05/03/18 07:15	
4-Bromofluorobenzene (S)	%	92	61-130	05/03/18 07:15	
Dibromofluoromethane (S)	%	100	67-130	05/03/18 07:15	
Toluene-d8 (S)	%	101	70-130	05/03/18 07:15	

LABORATORY CONTROL SAMPLE: 1682678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.8	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,2-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1-Dichloroethane	ug/L	50	57.7	115	71-132	
1,1-Dichloroethene	ug/L	50	56.4	113	75-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.1	90	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.7	99	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	47.1	94	70-131	
1,2-Dichloropropane	ug/L	50	49.0	98	80-120	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
Benzene	ug/L	50	48.8	98	73-145	
Bromodichloromethane	ug/L	50	48.0	96	70-130	
Bromoform	ug/L	50	42.9	86	67-130	
Bromomethane	ug/L	50	38.3	77	26-128	
Carbon disulfide	ug/L	50	52.7	105	72-156	
Carbon tetrachloride	ug/L	50	48.1	96	70-133	
Chlorobenzene	ug/L	50	52.0	104	70-130	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

LABORATORY CONTROL SAMPLE: 1682678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	50	49.4	99	58-120	
Chloroform	ug/L	50	46.8	94	80-121	
Chloromethane	ug/L	50	36.7	73	40-127	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.5	93	70-130	
Dibromochloromethane	ug/L	50	53.3	107	70-130	
Dichlorodifluoromethane	ug/L	50	22.7	45	20-135	
Ethylbenzene	ug/L	50	52.7	105	87-129	
Isopropylbenzene (Cumene)	ug/L	50	53.1	106	70-130	
Methyl-tert-butyl ether	ug/L	50	50.9	102	66-143	
Methylene Chloride	ug/L	50	53.9	108	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	51.7	103	82-130	
trans-1,2-Dichloroethene	ug/L	50	57.0	114	75-132	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Trichloroethene	ug/L	50	50.5	101	70-130	
Trichlorofluoromethane	ug/L	50	55.7	111	76-133	
Vinyl chloride	ug/L	50	44.3	89	57-136	
Xylene (Total)	ug/L	150	158	105	70-130	
4-Bromofluorobenzene (S)	%			99	61-130	
Dibromofluoromethane (S)	%			101	67-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682790 1682791

Parameter	Units	40168315006 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	<0.50	50	50	48.3	48.6	97	97	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	48.9	49.6	98	99	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	48.1	48.9	96	98	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	56.8	57.1	113	114	71-133	0	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	55.6	56.0	111	112	75-136	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	45.1	45.3	90	91	63-123	0	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	48.6	48.9	97	98	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	50.2	50.1	100	100	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	47.1	48.0	94	96	70-131	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	47.8	49.0	96	98	80-120	2	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.9	51.8	102	104	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.7	50.2	99	100	70-130	1	20	
Benzene	ug/L	<0.50	50	50	47.9	48.6	96	97	73-145	1	20	
Bromodichloromethane	ug/L	<0.50	50	50	47.5	47.6	95	95	70-130	0	20	
Bromoform	ug/L	<0.50	50	50	42.0	42.1	84	84	67-130	0	20	
Bromomethane	ug/L	<2.4	50	50	39.2	42.0	78	84	26-129	7	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682790 1682791

Parameter	Units	40168315006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbon disulfide	ug/L	<0.61	50	50	51.5	52.7	103	105	72-156	2	30	
Carbon tetrachloride	ug/L	<0.50	50	50	48.9	47.9	98	96	70-134	2	20	
Chlorobenzene	ug/L	<0.50	50	50	50.6	50.9	101	102	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	48.0	48.1	96	96	58-120	0	20	
Chloroform	ug/L	<2.5	50	50	46.1	46.2	92	92	80-121	0	20	
Chloromethane	ug/L	<0.50	50	50	34.7	35.4	69	71	40-128	2	20	
cis-1,2-Dichloroethene	ug/L	0.34J	50	50	48.2	48.3	96	96	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	46.0	46.2	92	92	70-130	0	20	
Dibromochloromethane	ug/L	<0.50	50	50	52.5	52.2	105	104	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	21.5	21.7	43	43	20-146	1	20	
Ethylbenzene	ug/L	<0.50	50	50	50.9	50.9	102	102	87-129	0	20	
Isopropylbenzene (Cumene)	ug/L	0.33J	50	50	52.1	52.3	104	104	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	50.6	51.2	101	102	66-143	1	20	
Methylene Chloride	ug/L	<0.23	50	50	53.2	53.1	106	106	70-130	0	20	
Styrene	ug/L	<0.50	50	50	50.9	51.1	102	102	70-130	1	20	
Tetrachloroethene	ug/L	<0.50	50	50	51.4	52.0	103	104	70-130	1	20	
Toluene	ug/L	<0.50	50	50	49.8	50.0	100	100	82-131	0	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	56.0	57.0	112	114	75-135	2	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.6	46.4	93	93	70-130	0	20	
Trichloroethene	ug/L	<0.33	50	50	50.2	50.2	100	100	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	54.9	55.4	110	111	76-150	1	20	
Vinyl chloride	ug/L	<0.18	50	50	43.2	42.9	86	86	56-143	1	20	
Xylene (Total)	ug/L	<1.5	150	150	153	154	102	103	70-130	1	20	
4-Bromofluorobenzene (S)	%						99	98	61-130			
Dibromofluoromethane (S)	%						103	104	67-130			
Toluene-d8 (S)	%						101	100	70-130			

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287715 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40168315008, 40168315009, 40168315010, 40168315014, 40168315016, 40168315023, 40168315025, 40168315026, 40168315030

METHOD BLANK: 1683247 Matrix: Water
Associated Lab Samples: 40168315008, 40168315009, 40168315010, 40168315014, 40168315016, 40168315023, 40168315025, 40168315026, 40168315030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	9.0J	23.5	05/04/18 10:07	

LABORATORY CONTROL SAMPLE: 1683248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	90.6	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1683249 1683250

Parameter	Units	40167942002 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	168	200	200	357	363	95	97	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1683251 1683252

Parameter	Units	40167940004 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	247	200	200	454	445	103	99	90-110	2	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287892 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40168315001, 40168315002, 40168315003, 40168315006, 40168315007, 40168315011, 40168315012, 40168315013, 40168315024

METHOD BLANK: 1684337 Matrix: Water
Associated Lab Samples: 40168315001, 40168315002, 40168315003, 40168315006, 40168315007, 40168315011, 40168315012, 40168315013, 40168315024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	9.2J	23.5	05/04/18 12:00	

LABORATORY CONTROL SAMPLE: 1684338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	99.5	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1684339 1684340

Parameter	Units	40168051009 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	238	200	200	435	439	99	101	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1684341 1684342

Parameter	Units	40168315003 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	116	200	200	303	312	94	98	90-110	3	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287895 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40168315004, 40168315005, 40168315015, 40168315017, 40168315018, 40168315019, 40168315020, 40168315021, 40168315022, 40168315031, 40168315032

METHOD BLANK: 1684355 Matrix: Water
Associated Lab Samples: 40168315004, 40168315005, 40168315015, 40168315017, 40168315018, 40168315019, 40168315020, 40168315021, 40168315022, 40168315031, 40168315032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	10.8J	23.5	05/04/18 12:41	

LABORATORY CONTROL SAMPLE: 1684356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	107	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1684357 1684358

Parameter	Units	40168315019 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	237	100	100	336	332	99	94	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1684359 1684360

Parameter	Units	40168315032 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	249	100	100	353	345	104	97	90-110	2	20	

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 287890 Analysis Method: EPA 9060
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC
Associated Lab Samples: 40168315001, 40168315002, 40168315003, 40168315004, 40168315005, 40168315006, 40168315007, 40168315008, 40168315009, 40168315010, 40168315011, 40168315012, 40168315013, 40168315014, 40168315015, 40168315016, 40168315017, 40168315018, 40168315019, 40168315020

METHOD BLANK: 1684287 Matrix: Water
Associated Lab Samples: 40168315001, 40168315002, 40168315003, 40168315004, 40168315005, 40168315006, 40168315007, 40168315008, 40168315009, 40168315010, 40168315011, 40168315012, 40168315013, 40168315014, 40168315015, 40168315016, 40168315017, 40168315018, 40168315019, 40168315020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.25	0.85	05/08/18 10:27	
Total Organic Carbon	mg/L	<0.25	0.85	05/08/18 10:27	
Total Organic Carbon	mg/L	<0.25	0.85	05/08/18 10:27	
Total Organic Carbon	mg/L	<0.25	0.85	05/08/18 10:27	
Total Organic Carbon	mg/L	<0.25	0.85	05/08/18 10:27	

LABORATORY CONTROL SAMPLE: 1684288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	2.5	2.3	92	80-120	
Total Organic Carbon	mg/L	2.5	2.3	93		
Total Organic Carbon	mg/L	2.5	2.3	92		
Total Organic Carbon	mg/L	2.5	2.3	93		
Total Organic Carbon	mg/L	2.5	2.3	91		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1684289 1684290

Parameter	Units	40168315001 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	3.6	1	1	4.7	4.7	102	106	80-120	1	20	
Total Organic Carbon	mg/L	3.6	1	1	4.6	4.7	102	114		2		
Total Organic Carbon	mg/L	3.7	1	1	4.6	4.7	97	99		0		
Total Organic Carbon	mg/L	3.6	1	1	4.7	4.7	110	113		1		
Total Organic Carbon	mg/L	3.7	1	1	4.7	4.7	97	99		0		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1684291 1684292

Parameter	Units	40168315002 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	3	3	7.0	6.8	106	100	80-120	3	20	
Total Organic Carbon	mg/L	4.0	3	3	7.0	6.8	102	94		4		
Total Organic Carbon	mg/L	3.7	3	3	7.1	6.9	112	108		2		
Total Organic Carbon	mg/L	4.0	3	3	7.0	6.7	99	89		5		

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1684291 1684292

Parameter	Units	40168315002 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	3.7	3	3	7.0	7.0	111	110		0		

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

QC Batch: 288049 Analysis Method: EPA 9060
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC
Associated Lab Samples: 40168315021, 40168315022, 40168315023, 40168315024, 40168315025, 40168315026, 40168315030, 40168315031, 40168315032

METHOD BLANK: 1685420 Matrix: Water
Associated Lab Samples: 40168315021, 40168315022, 40168315023, 40168315024, 40168315025, 40168315026, 40168315030, 40168315031, 40168315032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.25	0.85	05/11/18 17:24	
Total Organic Carbon	mg/L	<0.25	0.85	05/11/18 17:24	
Total Organic Carbon	mg/L	<0.25	0.85	05/11/18 17:24	
Total Organic Carbon	mg/L	<0.25	0.85	05/11/18 17:24	
Total Organic Carbon	mg/L	<0.25	0.85	05/11/18 17:24	

LABORATORY CONTROL SAMPLE: 1685421

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	2.5	2.5	102	80-120	
Total Organic Carbon	mg/L	2.5	2.6	102		
Total Organic Carbon	mg/L	2.5	2.5	101		
Total Organic Carbon	mg/L	2.5	2.6	102		
Total Organic Carbon	mg/L	2.5	2.5	102		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685422 1685423

Parameter	Units	40168315021 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	1	1	2.8	2.8	99	104	80-120	2	20	
Total Organic Carbon	mg/L	1.8	1	1	2.8	2.8	96	100		1		
Total Organic Carbon	mg/L	1.8	1	1	2.7	2.8	96	106		4		
Total Organic Carbon	mg/L	1.8	1	1	2.8	2.8	104	102		1		
Total Organic Carbon	mg/L	1.8	1	1	2.7	2.8	98	108		4		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685424 1685425

Parameter	Units	40168315022 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	7.1	6	6	13.6	13.6	108	108	80-120	0	20	
Total Organic Carbon	mg/L	7.1	6	6	13.6	13.6	108	107		0		
Total Organic Carbon	mg/L	7.0	6	6	13.7	13.5	112	110		1		
Total Organic Carbon	mg/L	7.3	6	6	13.7	13.6	107	106		0		
Total Organic Carbon	mg/L	7.2	6	6	13.5	13.8	104	109		2		

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QUALIFIERS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168315027	PW-1	EPA 3010	287990	EPA 6010	288113
40168315028	PW-2	EPA 3010	287990	EPA 6010	288113
40168315029	PW-4	EPA 3010	287990	EPA 6010	288113
40168315001	MW-1SR	EPA 6010	287630		
40168315002	MW-2S	EPA 6010	287630		
40168315003	MW-2M	EPA 6010	287630		
40168315004	MW-4S	EPA 6010	287630		
40168315005	MW-5S	EPA 6010	287630		
40168315006	MW-6S	EPA 6010	287630		
40168315007	MW-6M	EPA 6010	287630		
40168315008	MW-7M	EPA 6010	287630		
40168315009	MW-8S	EPA 6010	287630		
40168315010	MW-8M	EPA 6010	287630		
40168315011	MW-9M	EPA 6010	287630		
40168315012	MW-10M	EPA 6010	287630		
40168315013	MW-11M	EPA 6010	287630		
40168315014	MW-12S	EPA 6010	287630		
40168315015	MW-14S	EPA 6010	287630		
40168315016	MW-15M	EPA 6010	287630		
40168315017	MW-16S	EPA 6010	287630		
40168315018	MW-16M	EPA 6010	287630		
40168315019	MW-17S	EPA 6010	287630		
40168315020	MW-17M	EPA 6010	287630		
40168315021	PZ-1	EPA 6010	287631		
40168315022	PZ-2	EPA 6010	287631		
40168315023	PZ-3	EPA 6010	287631		
40168315024	PZ-4	EPA 6010	287631		
40168315025	PZ-5	EPA 6010	287631		
40168315026	PZ-6	EPA 6010	287631		
40168315030	MW-8S DUP	EPA 6010	287631		
40168315031	MW-14S DUP	EPA 6010	287631		
40168315032	MW-4S DUP	EPA 6010	287631		
40168315027	PW-1	EPA 7470	287622	EPA 7470	287697
40168315028	PW-2	EPA 7470	287622	EPA 7470	287697
40168315029	PW-4	EPA 7470	287622	EPA 7470	287697
40168315001	MW-1SR	EPA 7470	287624	EPA 7470	287698
40168315002	MW-2S	EPA 7470	287624	EPA 7470	287698
40168315003	MW-2M	EPA 7470	287624	EPA 7470	287698
40168315004	MW-4S	EPA 7470	287624	EPA 7470	287698
40168315005	MW-5S	EPA 7470	287624	EPA 7470	287698
40168315006	MW-6S	EPA 7470	287624	EPA 7470	287698
40168315007	MW-6M	EPA 7470	287624	EPA 7470	287698
40168315008	MW-7M	EPA 7470	287624	EPA 7470	287698
40168315009	MW-8S	EPA 7470	287624	EPA 7470	287698
40168315010	MW-8M	EPA 7470	287624	EPA 7470	287698
40168315011	MW-9M	EPA 7470	287624	EPA 7470	287698
40168315012	MW-10M	EPA 7470	287624	EPA 7470	287698

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168315013	MW-11M	EPA 7470	287624	EPA 7470	287698
40168315014	MW-12S	EPA 7470	287624	EPA 7470	287698
40168315015	MW-14S	EPA 7470	287624	EPA 7470	287698
40168315016	MW-15M	EPA 7470	287624	EPA 7470	287698
40168315017	MW-16S	EPA 7470	287625	EPA 7470	287700
40168315018	MW-16M	EPA 7470	287625	EPA 7470	287700
40168315019	MW-17S	EPA 7470	287625	EPA 7470	287700
40168315020	MW-17M	EPA 7470	287625	EPA 7470	287700
40168315021	PZ-1	EPA 7470	287625	EPA 7470	287700
40168315022	PZ-2	EPA 7470	287625	EPA 7470	287700
40168315023	PZ-3	EPA 7470	287625	EPA 7470	287700
40168315024	PZ-4	EPA 7470	287625	EPA 7470	287700
40168315025	PZ-5	EPA 7470	287625	EPA 7470	287700
40168315026	PZ-6	EPA 7470	287625	EPA 7470	287700
40168315030	MW-8S DUP	EPA 7470	287625	EPA 7470	287700
40168315031	MW-14S DUP	EPA 7470	287625	EPA 7470	287700
40168315032	MW-4S DUP	EPA 7470	287625	EPA 7470	287700
40168315004	MW-4S	EPA 8260	287597		
40168315005	MW-5S	EPA 8260	287597		
40168315006	MW-6S	EPA 8260	287597		
40168315007	MW-6M	EPA 8260	287597		
40168315009	MW-8S	EPA 8260	287597		
40168315010	MW-8M	EPA 8260	287597		
40168315014	MW-12S	EPA 8260	287597		
40168315015	MW-14S	EPA 8260	287597		
40168315017	MW-16S	EPA 8260	287597		
40168315018	MW-16M	EPA 8260	287597		
40168315019	MW-17S	EPA 8260	287597		
40168315025	PZ-5	EPA 8260	287597		
40168315026	PZ-6	EPA 8260	287597		
40168315027	PW-1	EPA 8260	287597		
40168315028	PW-2	EPA 8260	287597		
40168315029	PW-4	EPA 8260	287597		
40168315030	MW-8S DUP	EPA 8260	287597		
40168315031	MW-14S DUP	EPA 8260	287597		
40168315032	MW-4S DUP	EPA 8260	287597		
40168315033	TRIP BLANK	EPA 8260	287597		
40168315001	MW-1SR				
40168315002	MW-2S				
40168315003	MW-2M				
40168315004	MW-4S				
40168315005	MW-5S				
40168315006	MW-6S				
40168315007	MW-6M				
40168315008	MW-7M				
40168315009	MW-8S				
40168315010	MW-8M				

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168315011	MW-9M				
40168315012	MW-10M				
40168315013	MW-11M				
40168315014	MW-12S				
40168315015	MW-14S				
40168315016	MW-15M				
40168315017	MW-16S				
40168315018	MW-16M				
40168315019	MW-17S				
40168315020	MW-17M				
40168315021	PZ-1				
40168315022	PZ-2				
40168315023	PZ-3				
40168315024	PZ-4				
40168315025	PZ-5				
40168315026	PZ-6				
40168315030	MW-8S DUP				
40168315031	MW-14S DUP				
40168315032	MW-4S DUP				
40168315034	MW-1SR				
40168315035	MW-2S				
40168315036	MW-2M				
40168315037	MW-4S				
40168315038	MW-5S				
40168315039	MW-6S				
40168315040	MW-6M				
40168315041	MW-7M				
40168315042	MW-8S				
40168315043	MW-8M				
40168315044	MW-9M				
40168315045	MW-10M				
40168315046	MW-11M				
40168315047	MW-12S				
40168315048	MW-14S				
40168315049	MW-15M				
40168315050	MW-16S				
40168315051	MW-16M				
40168315052	MW-17S				
40168315053	MW-17M				
40168315054	PZ-1				
40168315055	PZ-2				
40168315056	PZ-3				
40168315057	PZ-4				
40168315058	PZ-5				
40168315059	PZ-6				
40168315001	MW-1SR	EPA 310.2	287892		
40168315002	MW-2S	EPA 310.2	287892		
40168315003	MW-2M	EPA 310.2	287892		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168315004	MW-4S	EPA 310.2	287895		
40168315005	MW-5S	EPA 310.2	287895		
40168315006	MW-6S	EPA 310.2	287892		
40168315007	MW-6M	EPA 310.2	287892		
40168315008	MW-7M	EPA 310.2	287715		
40168315009	MW-8S	EPA 310.2	287715		
40168315010	MW-8M	EPA 310.2	287715		
40168315011	MW-9M	EPA 310.2	287892		
40168315012	MW-10M	EPA 310.2	287892		
40168315013	MW-11M	EPA 310.2	287892		
40168315014	MW-12S	EPA 310.2	287715		
40168315015	MW-14S	EPA 310.2	287895		
40168315016	MW-15M	EPA 310.2	287715		
40168315017	MW-16S	EPA 310.2	287895		
40168315018	MW-16M	EPA 310.2	287895		
40168315019	MW-17S	EPA 310.2	287895		
40168315020	MW-17M	EPA 310.2	287895		
40168315021	PZ-1	EPA 310.2	287895		
40168315022	PZ-2	EPA 310.2	287895		
40168315023	PZ-3	EPA 310.2	287715		
40168315024	PZ-4	EPA 310.2	287892		
40168315025	PZ-5	EPA 310.2	287715		
40168315026	PZ-6	EPA 310.2	287715		
40168315030	MW-8S DUP	EPA 310.2	287715		
40168315031	MW-14S DUP	EPA 310.2	287895		
40168315032	MW-4S DUP	EPA 310.2	287895		
40168315001	MW-1SR	EPA 9060	287890		
40168315002	MW-2S	EPA 9060	287890		
40168315003	MW-2M	EPA 9060	287890		
40168315004	MW-4S	EPA 9060	287890		
40168315005	MW-5S	EPA 9060	287890		
40168315006	MW-6S	EPA 9060	287890		
40168315007	MW-6M	EPA 9060	287890		
40168315008	MW-7M	EPA 9060	287890		
40168315009	MW-8S	EPA 9060	287890		
40168315010	MW-8M	EPA 9060	287890		
40168315011	MW-9M	EPA 9060	287890		
40168315012	MW-10M	EPA 9060	287890		
40168315013	MW-11M	EPA 9060	287890		
40168315014	MW-12S	EPA 9060	287890		
40168315015	MW-14S	EPA 9060	287890		
40168315016	MW-15M	EPA 9060	287890		
40168315017	MW-16S	EPA 9060	287890		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40168315

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168315018	**MW-16M**	EPA 9060	287890		
40168315019	**MW-17S**	EPA 9060	287890		
40168315020	**MW-17M**	EPA 9060	287890		
40168315021	**PZ-1**	EPA 9060	288049		
40168315022	**PZ-2**	EPA 9060	288049		
40168315023	**PZ-3**	EPA 9060	288049		
40168315024	**PZ-4**	EPA 9060	288049		
40168315025	**PZ-5**	EPA 9060	288049		
40168315026	**PZ-6**	EPA 9060	288049		
40168315030	**MW-8S DUP**	EPA 9060	288049		
40168315031	**MW-14S DUP**	EPA 9060	288049		
40168315032	**MW-4S DUP**	EPA 9060	288049		

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(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:

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www.pacelabs.com

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

Page 1 of

COC No. 40168315

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

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	Analyses Requested: FILTERED? (YES/NO)	VOCs	Metals	Alkalinity	TOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	N	Y	N	N			
					Pick Letter	B	D	A	C			
001	MW-15R	4/26	3:29	GW			X	X	X			
002	MW-2S	4/26	2:00				X	X	X			
003	MW-2M	4/26	2:25				X	X	X			
004	MW-4S	4/26	12:40			X	X	X	X			
005	MW-5S	4/25	1:00			X	X	X	X			
006	MW-6S	4/24	11:35			X	X	X	X			
007	MW-6M	4/24	11:50			X	X	X	X			
008	MW-7M	4/23	1:05				X	X	X			
009	MW-8S	4/23	2:05			X	X	X	X			
010	MW-8M	4/23	2:30			X	X	X	X			
011	MW-9M	4/24	3:50				X	X	X	Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg		
012	MW-10M	4/24	1:45				X	X	X			
013	MW-11M	4/24	3:25				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	4/26/18 5:30		
Fed Ex	5/1/18 1025		5/1/18 1025

PACE Project No.
40168315

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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

Page 1 of

COC No. 40168315

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):	
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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested	Y/N	N	Y	N	N					CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
						Pick Letter	B	D	A	C							
							VOCs	Metals	Alkalinity	TOC							
014	MW-12S	4/23	12:30	GW			X	X	X	X							
015	MW-14S	4/25	11:00				X	X	X	X							
016	MW-15M	4/23	3:20					X	X	X							
017	MW-16S	4/25	3:05				X	X	X	X							
018	MW-16M	4/25	3:20				X	X	X	X							
019	MW-17S	4/25	1:30				X	X	X	X							
020	MW-17M	4/23	1:50					X	X	X							
021	PZ-1	4/25	12:00					X	X	X							
022	PZ-2	4/25	10:45					X	X	X							
023	PZ-3	4/23	4:00					X	X	X							
024	PZ-4	4/24	2:10					X	X	X					Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg		
025	PZ-5	4/23	11:20				X	X	X	X							
026	PZ-6	4/23	11:00				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	4/26/18 5:30		
Fed Ex	5/1/18 1025		

PACE Project No. 40168315

Receipt Temp = Rol °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

(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):	
PO #:	Regulatory Program:

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COC No. 40168315

CHAIN OF CUSTODY

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- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
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PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested	FILTERED? (YES/NO) Y/N	N	Y	N	N	N			
		PRESERVATION (CODE)* Pick Letter	B	D	A	C	D			
							VOCs	Metals	Alkalinity	TOC	Metals			
027	PW-1	4/24	6:30	DW			X				X			
028	PW-2	4/24	4:20	DW			X				X			
029	PW-4	4/24	4:00	DW			X				X			
030	Dup #1	4/23	2:05	GW			X	X	X	X				
031	Dup #2	4/25	11:05	GW			X	X	X	X				
032	Dup #3	4/26	12:40	GW			X	X	X	X				
033	TRIP BLANKS (2)	4/23/18	w1-5				X							
	(2) TripBlanks added to COC by Lab per PM - received w/ shipment										SSK	5/1/18		

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	4/26/18 5:30		
Fed Ex	5/1/18 1025	[signature]	5/1/18 1025

PACE Project No.
40168315

Receipt Temp = 4.0X °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

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 # 40168315

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

Lab Lot# of pH paper: 10054771 Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *						
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN		H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001			2								1		1																		X		2.5 / 5 / 10
002			2								1		1																		X		2.5 / 5 / 10
003			2								1		1																		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																		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																		X		2.5 / 5 / 10
012			2								1		1																		X		2.5 / 5 / 10
013			2								1		1																		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																		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																		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	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

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

Sample Preservation Receipt Form

Client Name: The OS Group

Project #: 40168315

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	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
021			2								1		1																	X		2.5 / 5 / 10
022			2								1		1																	X		2.5 / 5 / 10
023			2								1		1																	X		2.5 / 5 / 10
024			2								1		1																	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			2								1		1					3												X		2.5 / 5 / 10
031			2								1		1					2												X		2.5 / 5 / 10
032			2								1		1					3												X		2.5 / 5 / 10
033																		2														2.5 / 5 / 10
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																																2.5 / 5 / 20
																																2.5 / 5 / 21
																																2.5 / 5 / 22
																																2.5 / 5 / 23

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

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 40168315**

40168315

Client Name: The OS Group

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

Tracking #: 7807 1155 4148 / 4132 (96 11019) 88 905446

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☐ yes ☒ no (1)

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

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

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

Cooler Temperature Uncorr: RoI /Corr:

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

Person examining contents:
Date: 5/1/18
Initials: SSM

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

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4. Signature on Page 1 only SSM 5/1/18
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.
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 (5) SSM 5/1/18	10. 009+030 - 1 125mL c w/ cracked LA - replaced by lab SSM 5/1/18
Filtered volume received for Dissolved tests	☒Yes ☐No ☐N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. 028 - collect date "4/25/18" (2) SSM 5/1/18 021 - collect date "4/25/18"
-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): 399		

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

Person Contacted: Date/Time:

Comments/ Resolution: (1) custody seal present, dated, and signed, but placed flat on top of coolers SSM 5/1/18

(2) Trip Blanks - received w/ shipment - added to COC per PM SSM 5/1/18

Collect Date is 4/25/18 for 028 + 029 per client. 5/1/18 CH

Project Manager Review: CH **Date:** 5/1/18

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

November 27, 2018

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

RE: Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Dear Steve Osesek:
Enclosed are the analytical results for sample(s) received by the laboratory on October 25, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska

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

Enclosures

cc: John Storlie, The OS Group, LLC

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without the written consent of Pace Analytical Services, LLC.

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

CERTIFICATIONS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

SAMPLE SUMMARY

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40178315001	**MW-4S**	Water	10/24/18 13:45	10/25/18 09:55
40178315002	**MW-5S**	Water	10/24/18 14:35	10/25/18 09:55
40178315003	**MW-17S**	Water	10/24/18 15:00	10/25/18 09:55
40178315004	**PZ-5**	Water	10/24/18 12:50	10/25/18 09:55
40178315005	**PZ-6**	Water	10/24/18 12:25	10/25/18 09:55
40178315006	**MW-5S DUP**	Water	10/24/18 15:10	10/25/18 09:55
40178315007	**TRIP BLANK**	Water	10/24/18 12:00	10/25/18 09:55
40178315008	**MW-1SR**	Water	10/22/18 00:00	10/25/18 12:00
40178315009	**MW-2M**	Water	10/22/18 00:00	10/25/18 12:00
40178315010	**MW-2S**	Water	10/22/18 00:00	10/25/18 12:00
40178315011	**MW-6M**	Water	10/22/18 00:00	10/25/18 12:00
40178315012	**MW-6S**	Water	10/22/18 00:00	10/25/18 12:00
40178315013	**MW-7M**	Water	10/22/18 00:00	10/25/18 12:00
40178315014	**MW-8D**	Water	10/22/18 00:00	10/25/18 12:00
40178315015	**MW-8M**	Water	10/22/18 00:00	10/25/18 12:00
40178315016	**MW-8S**	Water	10/22/18 00:00	10/25/18 12:00
40178315017	**MW-9M**	Water	10/22/18 00:00	10/25/18 12:00
40178315018	**MW-10M**	Water	10/22/18 00:00	10/25/18 12:00
40178315019	**MW-11M**	Water	10/22/18 00:00	10/25/18 12:00
40178315020	**MW-12S**	Water	10/22/18 00:00	10/25/18 12:00
40178315021	**MW-14S**	Water	10/22/18 00:00	10/25/18 12:00
40178315022	**MW-15M**	Water	10/22/18 00:00	10/25/18 12:00
40178315023	**MW-16S**	Water	10/22/18 00:00	10/25/18 12:00
40178315024	**MW-16M**	Water	10/22/18 00:00	10/25/18 12:00
40178315025	**MW-17M**	Water	10/22/18 00:00	10/25/18 12:00
40178315026	**PZ-1**	Water	10/22/18 00:00	10/25/18 12:00
40178315027	**PZ-2**	Water	10/22/18 00:00	10/25/18 12:00
40178315028	**PZ-3**	Water	10/22/18 00:00	10/25/18 12:00
40178315029	**PZ-4**	Water	10/22/18 00:00	10/25/18 12:00

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SAMPLE ANALYTE COUNT

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40178315001	**MW-4S**	EPA 6010	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			RMW	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40178315002	**MW-5S**	EPA 6010	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			RMW	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40178315003	**MW-17S**	EPA 6010	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			RMW	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40178315004	**PZ-5**	EPA 6010	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			RMW	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40178315005	**PZ-6**	EPA 6010	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			RMW	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40178315006	**MW-5S DUP**	EPA 6010	TXW	8	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	LAP	57	PASI-G
			RMW	6	PASI-G
		EPA 9060	TJJ	5	PASI-G
40178315007	**TRIP BLANK**	EPA 8260	LAP	57	PASI-G
40178315008	**MW-1SR**		RMW	1	PASI-G
40178315009	**MW-2M**		RMW	1	PASI-G
40178315010	**MW-2S**		RMW	1	PASI-G
40178315011	**MW-6M**		RMW	1	PASI-G
40178315012	**MW-6S**		RMW	1	PASI-G
40178315013	**MW-7M**		RMW	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40178315014	**MW-8D**		RMW	1	PASI-G
40178315015	**MW-8M**		RMW	1	PASI-G
40178315016	**MW-8S**		RMW	1	PASI-G
40178315017	**MW-9M**		RMW	1	PASI-G
40178315018	**MW-10M**		RMW	1	PASI-G
40178315019	**MW-11M**		RMW	1	PASI-G
40178315020	**MW-12S**		RMW	1	PASI-G
40178315021	**MW-14S**		RMW	1	PASI-G
40178315022	**MW-15M**		RMW	1	PASI-G
40178315023	**MW-16S**		RMW	1	PASI-G
40178315024	**MW-16M**		RMW	1	PASI-G
40178315025	**MW-17M**		RMW	1	PASI-G
40178315026	**PZ-1**		RMW	1	PASI-G
40178315027	**PZ-2**		RMW	1	PASI-G
40178315028	**PZ-3**		RMW	1	PASI-G
40178315029	**PZ-4**		RMW	1	PASI-G

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-4S **Lab ID: 40178315001** Collected: 10/24/18 13:45 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**11.4J**	ug/L	25.0	5.4	1		11/09/18 15:25	7440-38-2	
Barium, Dissolved	**296**	ug/L	5.0	1.5	1		11/09/18 15:25	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		11/09/18 15:25	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		11/09/18 15:25	7440-48-4	
Iron, Dissolved	**10000**	ug/L	118	35.4	1		11/09/18 15:25	7439-89-6	
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		11/09/18 15:25	7439-92-1	
Manganese, Dissolved	**754**	ug/L	5.0	1.1	1		11/09/18 15:25	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		11/09/18 15:25	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.084**	ug/L	0.28	0.084	1	10/29/18 10:50	10/30/18 09:04	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		10/29/18 12:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 12:43	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		10/29/18 12:43	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		10/29/18 12:43	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		10/29/18 12:43	75-35-4	
1,2,4-Trimethylbenzene	**446**	ug/L	28.0	8.4	10		10/29/18 12:43	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		10/29/18 12:43	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		10/29/18 12:43	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		10/29/18 12:43	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 12:43	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 12:43	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		10/29/18 12:43	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		10/29/18 12:43	541-73-1	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		10/29/18 12:43	106-46-7	
2-Butanone (MEK)	**<29.4**	ug/L	200	29.4	10		10/29/18 12:43	78-93-3	
2-Hexanone	**<24.6**	ug/L	81.9	24.6	10		10/29/18 12:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<15.3**	ug/L	51.0	15.3	10		10/29/18 12:43	108-10-1	
Acetone	**<27.4**	ug/L	200	27.4	10		10/29/18 12:43	67-64-1	
Benzene	**<2.5**	ug/L	10.0	2.5	10		10/29/18 12:43	71-43-2	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		10/29/18 12:43	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		10/29/18 12:43	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		10/29/18 12:43	74-83-9	
Carbon disulfide	**<3.7**	ug/L	50.0	3.7	10		10/29/18 12:43	75-15-0	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		10/29/18 12:43	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		10/29/18 12:43	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		10/29/18 12:43	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		10/29/18 12:43	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		10/29/18 12:43	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		10/29/18 12:43	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		10/29/18 12:43	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		10/29/18 12:43	75-71-8	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		10/29/18 12:43	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		10/29/18 12:43	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-4S **Lab ID: 40178315001** Collected: 10/24/18 13:45 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**11.6J**	ug/L	50.0	3.9	10		10/29/18 12:43	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		10/29/18 12:43	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		10/29/18 12:43	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		10/29/18 12:43	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		10/29/18 12:43	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		10/29/18 12:43	127-18-4	
Tetrahydrofuran	**<23.2**	ug/L	200	23.2	10		10/29/18 12:43	109-99-9	
Toluene	**<1.7**	ug/L	50.0	1.7	10		10/29/18 12:43	108-88-3	
Trichloroethene	**<2.6**	ug/L	10.0	2.6	10		10/29/18 12:43	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		10/29/18 12:43	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		10/29/18 12:43	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		10/29/18 12:43	1330-20-7	
cis-1,2-Dichloroethene	**<2.7**	ug/L	10.0	2.7	10		10/29/18 12:43	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		10/29/18 12:43	10061-01-5	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		10/29/18 12:43	104-51-8	
n-Propylbenzene	**20.2J**	ug/L	50.0	8.1	10		10/29/18 12:43	103-65-1	
p-Isopropyltoluene	**10.4J**	ug/L	26.7	8.0	10		10/29/18 12:43	99-87-6	
sec-Butylbenzene	**19.6J**	ug/L	50.0	8.5	10		10/29/18 12:43	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		10/29/18 12:43	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		10/29/18 12:43	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		10/29/18 12:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		10		10/29/18 12:43	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		10		10/29/18 12:43	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		10/29/18 12:43	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.94**	Std. Units			1		10/24/18 13:45		
Field Specific Conductance	**499**	umhos/cm			1		10/24/18 13:45		
Oxygen, Dissolved	**0.19**	mg/L			1		10/24/18 13:45	7782-44-7	
REDOX	**-150.7**	mV			1		10/24/18 13:45		
Static Water Level	**645.87**	feet			1		10/24/18 13:45		
Temperature, Water (C)	**10.28**	deg C			1		10/24/18 13:45		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		11/05/18 23:40	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		11/05/18 23:40	7440-44-0	
Total Organic Carbon	**2.1**	mg/L	0.85	0.25	1		11/05/18 23:40	7440-44-0	
Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		11/05/18 23:40	7440-44-0	
Mean Total Organic Carbon	**2.0**	mg/L	0.85	0.25	1		11/05/18 23:40	7440-44-0	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-5S **Lab ID: 40178315002** Collected: 10/24/18 14:35 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**7.5J**	ug/L	25.0	5.4	1		11/08/18 23:19	7440-38-2	
Barium, Dissolved	**183**	ug/L	5.0	1.5	1		11/08/18 23:19	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		11/08/18 23:19	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		11/08/18 23:19	7440-48-4	
Iron, Dissolved	**14800**	ug/L	118	35.4	1		11/08/18 23:19	7439-89-6	
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		11/08/18 23:19	7439-92-1	
Manganese, Dissolved	**1080**	ug/L	5.0	1.1	1		11/08/18 23:19	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		11/08/18 23:19	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.084**	ug/L	0.28	0.084	1	10/29/18 10:50	10/30/18 09:07	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		10/29/18 13:28	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:28	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		10/29/18 13:28	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		10/29/18 13:28	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		10/29/18 13:28	75-35-4	
1,2,4-Trimethylbenzene	**760**	ug/L	28.0	8.4	10		10/29/18 13:28	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		10/29/18 13:28	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		10/29/18 13:28	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		10/29/18 13:28	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:28	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:28	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		10/29/18 13:28	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		10/29/18 13:28	541-73-1	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		10/29/18 13:28	106-46-7	
2-Butanone (MEK)	**<29.4**	ug/L	200	29.4	10		10/29/18 13:28	78-93-3	
2-Hexanone	**<24.6**	ug/L	81.9	24.6	10		10/29/18 13:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<15.3**	ug/L	51.0	15.3	10		10/29/18 13:28	108-10-1	
Acetone	**<27.4**	ug/L	200	27.4	10		10/29/18 13:28	67-64-1	
Benzene	**<2.5**	ug/L	10.0	2.5	10		10/29/18 13:28	71-43-2	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		10/29/18 13:28	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		10/29/18 13:28	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		10/29/18 13:28	74-83-9	
Carbon disulfide	**<3.7**	ug/L	50.0	3.7	10		10/29/18 13:28	75-15-0	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		10/29/18 13:28	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		10/29/18 13:28	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		10/29/18 13:28	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		10/29/18 13:28	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		10/29/18 13:28	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		10/29/18 13:28	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		10/29/18 13:28	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		10/29/18 13:28	75-71-8	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		10/29/18 13:28	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		10/29/18 13:28	87-68-3	

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(920)469-2436

ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-5S **Lab ID: 40178315002** Collected: 10/24/18 14:35 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**46.2J**	ug/L	50.0	3.9	10		10/29/18 13:28	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		10/29/18 13:28	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		10/29/18 13:28	75-09-2	
Naphthalene	**25.2J**	ug/L	50.0	11.8	10		10/29/18 13:28	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		10/29/18 13:28	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		10/29/18 13:28	127-18-4	
Tetrahydrofuran	**<23.2**	ug/L	200	23.2	10		10/29/18 13:28	109-99-9	
Toluene	**<1.7**	ug/L	50.0	1.7	10		10/29/18 13:28	108-88-3	
Trichloroethene	**<2.6**	ug/L	10.0	2.6	10		10/29/18 13:28	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		10/29/18 13:28	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		10/29/18 13:28	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		10/29/18 13:28	1330-20-7	
cis-1,2-Dichloroethene	**<2.7**	ug/L	10.0	2.7	10		10/29/18 13:28	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		10/29/18 13:28	10061-01-5	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		10/29/18 13:28	104-51-8	
n-Propylbenzene	**60.4**	ug/L	50.0	8.1	10		10/29/18 13:28	103-65-1	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		10/29/18 13:28	99-87-6	
sec-Butylbenzene	**8.9J**	ug/L	50.0	8.5	10		10/29/18 13:28	135-98-8	
tert-Butylbenzene	**12.7**	ug/L	10.1	3.0	10		10/29/18 13:28	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		10/29/18 13:28	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		10/29/18 13:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		10		10/29/18 13:28	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		10		10/29/18 13:28	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		10/29/18 13:28	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.82**	Std. Units			1		10/24/18 14:35		
Field Specific Conductance	**400**	umhos/cm			1		10/24/18 14:35		
Oxygen, Dissolved	**0.18**	mg/L			1		10/24/18 14:35	7782-44-7	
REDOX	**-124.7**	mV			1		10/24/18 14:35		
Static Water Level	**645.82**	feet			1		10/24/18 14:35		
Temperature, Water (C)	**11.4**	deg C			1		10/24/18 14:35		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**5.2**	mg/L	5.1	1.5	6		11/06/18 00:22	7440-44-0	
Total Organic Carbon	**5.1**	mg/L	5.1	1.5	6		11/06/18 00:22	7440-44-0	
Total Organic Carbon	**5.2**	mg/L	5.1	1.5	6		11/06/18 00:22	7440-44-0	
Total Organic Carbon	**5.3**	mg/L	5.1	1.5	6		11/06/18 00:22	7440-44-0	
Mean Total Organic Carbon	**5.2**	mg/L	5.1	1.5	6		11/06/18 00:22	7440-44-0	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-17S **Lab ID: 40178315003** Collected: 10/24/18 15:00 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	25.0	5.4	1		11/08/18 23:22	7440-38-2	
Barium, Dissolved	**188**	ug/L	5.0	1.5	1		11/08/18 23:22	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		11/08/18 23:22	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		11/08/18 23:22	7440-48-4	
Iron, Dissolved	**11100**	ug/L	118	35.4	1		11/08/18 23:22	7439-89-6	
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		11/08/18 23:22	7439-92-1	
Manganese, Dissolved	**1300**	ug/L	5.0	1.1	1		11/08/18 23:22	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		11/08/18 23:22	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.084**	ug/L	0.28	0.084	1	10/29/18 10:50	10/30/18 09:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		10/29/18 13:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:05	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		10/29/18 13:05	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		10/29/18 13:05	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		10/29/18 13:05	75-35-4	
1,2,4-Trimethylbenzene	**1350**	ug/L	28.0	8.4	10		10/29/18 13:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		10/29/18 13:05	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		10/29/18 13:05	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		10/29/18 13:05	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:05	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:05	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		10/29/18 13:05	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		10/29/18 13:05	541-73-1	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		10/29/18 13:05	106-46-7	
2-Butanone (MEK)	**<29.4**	ug/L	200	29.4	10		10/29/18 13:05	78-93-3	
2-Hexanone	**<24.6**	ug/L	81.9	24.6	10		10/29/18 13:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<15.3**	ug/L	51.0	15.3	10		10/29/18 13:05	108-10-1	
Acetone	**<27.4**	ug/L	200	27.4	10		10/29/18 13:05	67-64-1	
Benzene	**<2.5**	ug/L	10.0	2.5	10		10/29/18 13:05	71-43-2	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		10/29/18 13:05	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		10/29/18 13:05	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		10/29/18 13:05	74-83-9	
Carbon disulfide	**<3.7**	ug/L	50.0	3.7	10		10/29/18 13:05	75-15-0	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		10/29/18 13:05	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		10/29/18 13:05	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		10/29/18 13:05	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		10/29/18 13:05	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		10/29/18 13:05	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		10/29/18 13:05	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		10/29/18 13:05	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		10/29/18 13:05	75-71-8	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		10/29/18 13:05	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		10/29/18 13:05	87-68-3	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-17S **Lab ID: 40178315003** Collected: 10/24/18 15:00 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**11.4J**	ug/L	50.0	3.9	10		10/29/18 13:05	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		10/29/18 13:05	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		10/29/18 13:05	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		10/29/18 13:05	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		10/29/18 13:05	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		10/29/18 13:05	127-18-4	
Tetrahydrofuran	**<23.2**	ug/L	200	23.2	10		10/29/18 13:05	109-99-9	
Toluene	**<1.7**	ug/L	50.0	1.7	10		10/29/18 13:05	108-88-3	
Trichloroethene	**<2.6**	ug/L	10.0	2.6	10		10/29/18 13:05	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		10/29/18 13:05	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		10/29/18 13:05	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		10/29/18 13:05	1330-20-7	
cis-1,2-Dichloroethene	**<2.7**	ug/L	10.0	2.7	10		10/29/18 13:05	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		10/29/18 13:05	10061-01-5	
n-Butylbenzene	**7.3J**	ug/L	23.6	7.1	10		10/29/18 13:05	104-51-8	
n-Propylbenzene	**25.5J**	ug/L	50.0	8.1	10		10/29/18 13:05	103-65-1	
p-Isopropyltoluene	**21.1J**	ug/L	26.7	8.0	10		10/29/18 13:05	99-87-6	
sec-Butylbenzene	**13.1J**	ug/L	50.0	8.5	10		10/29/18 13:05	135-98-8	
tert-Butylbenzene	**10.3**	ug/L	10.1	3.0	10		10/29/18 13:05	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		10/29/18 13:05	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		10/29/18 13:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		10		10/29/18 13:05	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		10		10/29/18 13:05	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		10/29/18 13:05	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.97**	Std. Units			1		10/24/18 15:00		
Field Specific Conductance	**499**	umhos/cm			1		10/24/18 15:00		
Oxygen, Dissolved	**1.42**	mg/L			1		10/24/18 15:00	7782-44-7	
REDOX	**-126.1**	mV			1		10/24/18 15:00		
Static Water Level	**645.75**	feet			1		10/24/18 15:00		
Temperature, Water (C)	**12.47**	deg C			1		10/24/18 15:00		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 02:26	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 02:26	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 02:26	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 02:26	7440-44-0	
Mean Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 02:26	7440-44-0	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: PZ-5 **Lab ID: 40178315004** Collected: 10/24/18 12:50 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	25.0	5.4	1		11/08/18 23:24	7440-38-2	
Barium, Dissolved	**139**	ug/L	5.0	1.5	1		11/08/18 23:24	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		11/08/18 23:24	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		11/08/18 23:24	7440-48-4	
Iron, Dissolved	**5980**	ug/L	118	35.4	1		11/08/18 23:24	7439-89-6	
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		11/08/18 23:24	7439-92-1	
Manganese, Dissolved	**921**	ug/L	5.0	1.1	1		11/08/18 23:24	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		11/08/18 23:24	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.084**	ug/L	0.28	0.084	1	10/29/18 10:50	10/30/18 09:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/29/18 16:46	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 16:46	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/29/18 16:46	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/29/18 16:46	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/29/18 16:46	75-35-4	
1,2,4-Trimethylbenzene	**154**	ug/L	2.8	0.84	1		10/29/18 16:46	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/29/18 16:46	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/29/18 16:46	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/29/18 16:46	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 16:46	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 16:46	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/29/18 16:46	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/29/18 16:46	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/29/18 16:46	106-46-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/29/18 16:46	78-93-3	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/29/18 16:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/29/18 16:46	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/29/18 16:46	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/29/18 16:46	71-43-2	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/29/18 16:46	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/29/18 16:46	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/29/18 16:46	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/29/18 16:46	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/29/18 16:46	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/29/18 16:46	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/29/18 16:46	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/29/18 16:46	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/29/18 16:46	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/29/18 16:46	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/29/18 16:46	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/29/18 16:46	75-71-8	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/29/18 16:46	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/29/18 16:46	87-68-3	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: PZ-5 **Lab ID: 40178315004** Collected: 10/24/18 12:50 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**1.3J**	ug/L	5.0	0.39	1		10/29/18 16:46	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/29/18 16:46	1634-04-4	
Methylene Chloride	**1.4J**	ug/L	5.0	0.58	1		10/29/18 16:46	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/29/18 16:46	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/29/18 16:46	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/29/18 16:46	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/29/18 16:46	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/29/18 16:46	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/29/18 16:46	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/29/18 16:46	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/29/18 16:46	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/29/18 16:46	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/29/18 16:46	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/29/18 16:46	10061-01-5	
n-Butylbenzene	**1.5J**	ug/L	2.4	0.71	1		10/29/18 16:46	104-51-8	
n-Propylbenzene	**2.4J**	ug/L	5.0	0.81	1		10/29/18 16:46	103-65-1	
p-Isopropyltoluene	**5.1**	ug/L	2.7	0.80	1		10/29/18 16:46	99-87-6	
sec-Butylbenzene	**6.5**	ug/L	5.0	0.85	1		10/29/18 16:46	135-98-8	
tert-Butylbenzene	**1.6**	ug/L	1.0	0.30	1		10/29/18 16:46	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/29/18 16:46	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/29/18 16:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/29/18 16:46	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/29/18 16:46	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/29/18 16:46	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.97**	Std. Units			1		10/24/18 12:50		
Field Specific Conductance	**383**	umhos/cm			1		10/24/18 12:50		
Oxygen, Dissolved	**3.31**	mg/L			1		10/24/18 12:50	7782-44-7	
REDOX	**-92.8**	mV			1		10/24/18 12:50		
Static Water Level	**645.87**	feet			1		10/24/18 12:50		
Temperature, Water (C)	**10.3**	deg C			1		10/24/18 12:50		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.1**	mg/L	0.85	0.25	1		11/06/18 03:30	7440-44-0	
Total Organic Carbon	**1.1**	mg/L	0.85	0.25	1		11/06/18 03:30	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.85	0.25	1		11/06/18 03:30	7440-44-0	
Total Organic Carbon	**1.2**	mg/L	0.85	0.25	1		11/06/18 03:30	7440-44-0	
Mean Total Organic Carbon	**1.2**	mg/L	0.85	0.25	1		11/06/18 03:30	7440-44-0	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: PZ-6 **Lab ID: 40178315005** Collected: 10/24/18 12:25 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	25.0	5.4	1		11/08/18 23:27	7440-38-2	
Barium, Dissolved	**21.5**	ug/L	5.0	1.5	1		11/08/18 23:27	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		11/08/18 23:27	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		11/08/18 23:27	7440-48-4	
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		11/08/18 23:27	7439-89-6	
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		11/08/18 23:27	7439-92-1	
Manganese, Dissolved	**<1.1**	ug/L	5.0	1.1	1		11/08/18 23:27	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		11/08/18 23:27	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.084**	ug/L	0.28	0.084	1	10/29/18 10:50	10/30/18 09:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/29/18 11:59	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 11:59	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/29/18 11:59	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/29/18 11:59	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/29/18 11:59	75-35-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/29/18 11:59	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/29/18 11:59	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/29/18 11:59	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/29/18 11:59	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 11:59	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 11:59	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/29/18 11:59	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/29/18 11:59	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/29/18 11:59	106-46-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/29/18 11:59	78-93-3	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/29/18 11:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/29/18 11:59	108-10-1	
Acetone	**2.8J**	ug/L	20.0	2.7	1		10/29/18 11:59	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/29/18 11:59	71-43-2	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/29/18 11:59	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/29/18 11:59	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/29/18 11:59	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/29/18 11:59	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/29/18 11:59	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/29/18 11:59	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/29/18 11:59	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/29/18 11:59	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/29/18 11:59	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/29/18 11:59	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/29/18 11:59	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/29/18 11:59	75-71-8	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/29/18 11:59	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/29/18 11:59	87-68-3	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: PZ-6 **Lab ID: 40178315005** Collected: 10/24/18 12:25 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/29/18 11:59	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/29/18 11:59	1634-04-4	
Methylene Chloride	**0.96J**	ug/L	5.0	0.58	1		10/29/18 11:59	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/29/18 11:59	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/29/18 11:59	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/29/18 11:59	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/29/18 11:59	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/29/18 11:59	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/29/18 11:59	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/29/18 11:59	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/29/18 11:59	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/29/18 11:59	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/29/18 11:59	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/29/18 11:59	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/29/18 11:59	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/29/18 11:59	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/29/18 11:59	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/29/18 11:59	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/29/18 11:59	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/29/18 11:59	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/29/18 11:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		10/29/18 11:59	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/29/18 11:59	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/29/18 11:59	2037-26-5	
Field Data	Analytical Method:								
Field pH	**7.08**	Std. Units			1		10/24/18 12:25		
Field Specific Conductance	**413**	umhos/cm			1		10/24/18 12:25		
Oxygen, Dissolved	**5.64**	mg/L			1		10/24/18 12:25	7782-44-7	
REDOX	**102.2**	mV			1		10/24/18 12:25		
Static Water Level	**645.79**	feet			1		10/24/18 12:25		
Temperature, Water (C)	**10.34**	deg C			1		10/24/18 12:25		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**0.81J**	mg/L	0.85	0.25	1		11/06/18 04:11	7440-44-0	
Total Organic Carbon	**0.87**	mg/L	0.85	0.25	1		11/06/18 04:11	7440-44-0	
Total Organic Carbon	**0.81J**	mg/L	0.85	0.25	1		11/06/18 04:11	7440-44-0	
Total Organic Carbon	**0.84J**	mg/L	0.85	0.25	1		11/06/18 04:11	7440-44-0	
Mean Total Organic Carbon	**0.83J**	mg/L	0.85	0.25	1		11/06/18 04:11	7440-44-0	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-5S DUP **Lab ID: 40178315006** Collected: 10/24/18 15:10 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**5.5J**	ug/L	25.0	5.4	1		11/08/18 23:29	7440-38-2	
Barium, Dissolved	**187**	ug/L	5.0	1.5	1		11/08/18 23:29	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		11/08/18 23:29	7440-43-9	
Cobalt, Dissolved	**<1.4**	ug/L	5.0	1.4	1		11/08/18 23:29	7440-48-4	
Iron, Dissolved	**11100**	ug/L	118	35.4	1		11/08/18 23:29	7439-89-6	
Lead, Dissolved	**<6.4**	ug/L	21.4	6.4	1		11/08/18 23:29	7439-92-1	
Manganese, Dissolved	**1320**	ug/L	5.0	1.1	1		11/08/18 23:29	7439-96-5	
Vanadium, Dissolved	**<2.2**	ug/L	10.0	2.2	1		11/08/18 23:29	7440-62-2	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.084**	ug/L	0.28	0.084	1	10/29/18 10:50	10/30/18 09:16	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		10/29/18 13:50	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:50	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		10/29/18 13:50	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		10/29/18 13:50	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		10/29/18 13:50	75-35-4	
1,2,4-Trimethylbenzene	**1460**	ug/L	28.0	8.4	10		10/29/18 13:50	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		10/29/18 13:50	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		10/29/18 13:50	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		10/29/18 13:50	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:50	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		10/29/18 13:50	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		10/29/18 13:50	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		10/29/18 13:50	541-73-1	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		10/29/18 13:50	106-46-7	
2-Butanone (MEK)	**<29.4**	ug/L	200	29.4	10		10/29/18 13:50	78-93-3	
2-Hexanone	**<24.6**	ug/L	81.9	24.6	10		10/29/18 13:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<15.3**	ug/L	51.0	15.3	10		10/29/18 13:50	108-10-1	
Acetone	**<27.4**	ug/L	200	27.4	10		10/29/18 13:50	67-64-1	
Benzene	**<2.5**	ug/L	10.0	2.5	10		10/29/18 13:50	71-43-2	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		10/29/18 13:50	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		10/29/18 13:50	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		10/29/18 13:50	74-83-9	
Carbon disulfide	**<3.7**	ug/L	50.0	3.7	10		10/29/18 13:50	75-15-0	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		10/29/18 13:50	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		10/29/18 13:50	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		10/29/18 13:50	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		10/29/18 13:50	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		10/29/18 13:50	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		10/29/18 13:50	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		10/29/18 13:50	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		10/29/18 13:50	75-71-8	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		10/29/18 13:50	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		10/29/18 13:50	87-68-3	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-5S DUP **Lab ID: 40178315006** Collected: 10/24/18 15:10 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**10.5J**	ug/L	50.0	3.9	10		10/29/18 13:50	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		10/29/18 13:50	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		10/29/18 13:50	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		10/29/18 13:50	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		10/29/18 13:50	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		10/29/18 13:50	127-18-4	
Tetrahydrofuran	**<23.2**	ug/L	200	23.2	10		10/29/18 13:50	109-99-9	
Toluene	**<1.7**	ug/L	50.0	1.7	10		10/29/18 13:50	108-88-3	
Trichloroethene	**<2.6**	ug/L	10.0	2.6	10		10/29/18 13:50	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		10/29/18 13:50	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		10/29/18 13:50	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		10/29/18 13:50	1330-20-7	
cis-1,2-Dichloroethene	**<2.7**	ug/L	10.0	2.7	10		10/29/18 13:50	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		10/29/18 13:50	10061-01-5	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		10/29/18 13:50	104-51-8	
n-Propylbenzene	**22.9J**	ug/L	50.0	8.1	10		10/29/18 13:50	103-65-1	
p-Isopropyltoluene	**19.8J**	ug/L	26.7	8.0	10		10/29/18 13:50	99-87-6	
sec-Butylbenzene	**17.0J**	ug/L	50.0	8.5	10		10/29/18 13:50	135-98-8	
tert-Butylbenzene	**10.1J**	ug/L	10.1	3.0	10		10/29/18 13:50	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		10/29/18 13:50	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		10/29/18 13:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		10		10/29/18 13:50	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		10		10/29/18 13:50	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		10/29/18 13:50	2037-26-5	
Field Data	Analytical Method:								
Field pH	**6.82**	Std. Units			1		10/24/18 15:10		
Field Specific Conductance	**400**	umhos/cm			1		10/24/18 15:10		
Oxygen, Dissolved	**0.18**	mg/L			1		10/24/18 15:10	7782-44-7	
REDOX	**-124.7**	mV			1		10/24/18 15:10		
Static Water Level	**645.82**	feet			1		10/24/18 15:10		
Temperature, Water (C)	**11.4**	deg C			1		10/24/18 15:10		
Total Organic Carbon	Analytical Method: EPA 9060								
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 04:53	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 04:53	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 04:53	7440-44-0	
Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 04:53	7440-44-0	
Mean Total Organic Carbon	**1.6**	mg/L	0.85	0.25	1		11/06/18 04:53	7440-44-0	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: TRIP BLANK **Lab ID: 40178315007** Collected: 10/24/18 12:00 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/29/18 10:53	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 10:53	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/29/18 10:53	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/29/18 10:53	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/29/18 10:53	75-35-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/29/18 10:53	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/29/18 10:53	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/29/18 10:53	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/29/18 10:53	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 10:53	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/29/18 10:53	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/29/18 10:53	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/29/18 10:53	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/29/18 10:53	106-46-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/29/18 10:53	78-93-3	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/29/18 10:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/29/18 10:53	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/29/18 10:53	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/29/18 10:53	71-43-2	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/29/18 10:53	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/29/18 10:53	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/29/18 10:53	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/29/18 10:53	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/29/18 10:53	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/29/18 10:53	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/29/18 10:53	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/29/18 10:53	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/29/18 10:53	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/29/18 10:53	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/29/18 10:53	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/29/18 10:53	75-71-8	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/29/18 10:53	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/29/18 10:53	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/29/18 10:53	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/29/18 10:53	1634-04-4	
Methylene Chloride	**4.5J**	ug/L	5.0	0.58	1		10/29/18 10:53	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/29/18 10:53	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/29/18 10:53	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/29/18 10:53	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/29/18 10:53	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/29/18 10:53	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/29/18 10:53	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/29/18 10:53	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/29/18 10:53	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/29/18 10:53	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/29/18 10:53	156-59-2	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: TRIP BLANK **Lab ID: 40178315007** Collected: 10/24/18 12:00 Received: 10/25/18 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/29/18 10:53	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/29/18 10:53	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/29/18 10:53	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/29/18 10:53	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/29/18 10:53	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/29/18 10:53	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/29/18 10:53	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/29/18 10:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		10/29/18 10:53	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/29/18 10:53	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/29/18 10:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-1SR **Lab ID: 40178315008** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.96**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-2M **Lab ID: 40178315009** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**646.04**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-2S **Lab ID: 40178315010** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**646.07**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-6M **Lab ID: 40178315011** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.47**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-6S **Lab ID: 40178315012** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.46**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-7M **Lab ID: 40178315013** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.83**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-8D **Lab ID: 40178315014** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.62**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-8M **Lab ID: 40178315015** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.60**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-8S **Lab ID: 40178315016** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.59**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-9M **Lab ID: 40178315017** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.35**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-10M **Lab ID: 40178315018** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.24**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-11M **Lab ID: 40178315019** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.50**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-12S **Lab ID: 40178315020** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.74**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-14S **Lab ID: 40178315021** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.73**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-15M **Lab ID: 40178315022** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.52**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-16S **Lab ID: 40178315023** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.71**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-16M **Lab ID: 40178315024** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.71**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: MW-17M **Lab ID: 40178315025** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.82**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: PZ-1 **Lab ID: 40178315026** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.69**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: PZ-2 **Lab ID: 40178315027** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.57**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: PZ-3 **Lab ID: 40178315028** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.72**	feet			1		10/22/18 00:00		

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ANALYTICAL RESULTS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Sample: PZ-4 **Lab ID: 40178315029** Collected: 10/22/18 00:00 Received: 10/25/18 12:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Static Water Level	**645.48**	feet			1		10/22/18 00:00		

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QUALITY CONTROL DATA

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

QC Batch: 305985 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006

METHOD BLANK: 1788783 Matrix: Water
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<5.4	25.0	11/09/18 15:21	
Barium, Dissolved	ug/L	<1.5	5.0	11/09/18 15:21	
Cadmium, Dissolved	ug/L	<1.3	5.0	11/09/18 15:21	
Cobalt, Dissolved	ug/L	<1.4	5.0	11/09/18 15:21	
Iron, Dissolved	ug/L	<35.4	118	11/09/18 15:21	
Lead, Dissolved	ug/L	<6.4	21.4	11/09/18 15:21	
Manganese, Dissolved	ug/L	<1.1	5.0	11/09/18 15:21	
Vanadium, Dissolved	ug/L	<2.2	10.0	11/09/18 15:21	

LABORATORY CONTROL SAMPLE: 1788784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	468	94	80-120	
Barium, Dissolved	ug/L	500	470	94	80-120	
Cadmium, Dissolved	ug/L	500	470	94	80-120	
Cobalt, Dissolved	ug/L	500	463	93	80-120	
Iron, Dissolved	ug/L	5000	4900	98	80-120	
Lead, Dissolved	ug/L	500	460	92	80-120	
Manganese, Dissolved	ug/L	500	480	96	80-120	
Vanadium, Dissolved	ug/L	500	482	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1788785 1788786

Parameter	Units	40178315001 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	11.4J	500	500	463	467	90	91	75-125	1	20	
Barium, Dissolved	ug/L	296	500	500	750	748	91	90	75-125	0	20	
Cadmium, Dissolved	ug/L	<1.3	500	500	461	460	92	92	75-125	0	20	
Cobalt, Dissolved	ug/L	<1.4	500	500	444	446	89	89	75-125	0	20	
Iron, Dissolved	ug/L	10000	5000	5000	14600	14600	92	92	75-125	0	20	
Lead, Dissolved	ug/L	<6.4	500	500	432	439	86	88	75-125	2	20	
Manganese, Dissolved	ug/L	754	500	500	1220	1230	93	95	75-125	1	20	
Vanadium, Dissolved	ug/L	<2.2	500	500	483	484	97	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

QC Batch: 304587 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006

METHOD BLANK: 1780541 Matrix: Water
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.084	0.28	10/30/18 08:34	

LABORATORY CONTROL SAMPLE: 1780542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1780543 1780544

Parameter	Units	40178327008 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	<0.000084 mg/L	5	5	4.8	5.1	97	101	85-115	5	20	

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QUALITY CONTROL DATA

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

QC Batch: 304541 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006, 40178315007

METHOD BLANK: 1780435 Matrix: Water
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006, 40178315007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/29/18 08:18	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/29/18 08:18	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/29/18 08:18	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/29/18 08:18	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/29/18 08:18	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/29/18 08:18	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/29/18 08:18	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/29/18 08:18	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/29/18 08:18	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/29/18 08:18	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/29/18 08:18	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/29/18 08:18	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/29/18 08:18	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/29/18 08:18	
2-Butanone (MEK)	ug/L	<2.9	20.0	10/29/18 08:18	
2-Hexanone	ug/L	<2.5	8.2	10/29/18 08:18	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.5	5.1	10/29/18 08:18	
Acetone	ug/L	<2.7	20.0	10/29/18 08:18	
Benzene	ug/L	<0.25	1.0	10/29/18 08:18	
Bromodichloromethane	ug/L	<0.36	1.2	10/29/18 08:18	
Bromoform	ug/L	<4.0	13.2	10/29/18 08:18	
Bromomethane	ug/L	<0.97	5.0	10/29/18 08:18	
Carbon disulfide	ug/L	<0.37	5.0	10/29/18 08:18	
Carbon tetrachloride	ug/L	<0.17	1.0	10/29/18 08:18	
Chlorobenzene	ug/L	<0.71	2.4	10/29/18 08:18	
Chloroethane	ug/L	<1.3	5.0	10/29/18 08:18	
Chloroform	ug/L	<1.3	5.0	10/29/18 08:18	
Chloromethane	ug/L	<2.2	7.3	10/29/18 08:18	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/29/18 08:18	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/29/18 08:18	
Dibromochloromethane	ug/L	<2.6	8.7	10/29/18 08:18	
Dibromomethane	ug/L	<0.94	3.1	10/29/18 08:18	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/29/18 08:18	
Ethylbenzene	ug/L	<0.22	1.0	10/29/18 08:18	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	10/29/18 08:18	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/29/18 08:18	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/29/18 08:18	
Methylene Chloride	ug/L	<0.58	5.0	10/29/18 08:18	
n-Butylbenzene	ug/L	<0.71	2.4	10/29/18 08:18	
n-Propylbenzene	ug/L	<0.81	5.0	10/29/18 08:18	
Naphthalene	ug/L	<1.2	5.0	10/29/18 08:18	

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QUALITY CONTROL DATA

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

METHOD BLANK: 1780435 Matrix: Water
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006, 40178315007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
p-Isopropyltoluene	ug/L	<0.80	2.7	10/29/18 08:18	
sec-Butylbenzene	ug/L	<0.85	5.0	10/29/18 08:18	
Styrene	ug/L	<0.47	1.6	10/29/18 08:18	
tert-Butylbenzene	ug/L	<0.30	1.0	10/29/18 08:18	
Tetrachloroethene	ug/L	<0.33	1.1	10/29/18 08:18	
Tetrahydrofuran	ug/L	<2.3	20.0	10/29/18 08:18	
Toluene	ug/L	<0.17	5.0	10/29/18 08:18	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/29/18 08:18	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/29/18 08:18	
Trichloroethene	ug/L	<0.26	1.0	10/29/18 08:18	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/29/18 08:18	
Vinyl chloride	ug/L	<0.17	1.0	10/29/18 08:18	
Xylene (Total)	ug/L	<1.5	3.0	10/29/18 08:18	
4-Bromofluorobenzene (S)	%	85	70-130	10/29/18 08:18	
Dibromofluoromethane (S)	%	99	70-130	10/29/18 08:18	
Toluene-d8 (S)	%	98	70-130	10/29/18 08:18	

LABORATORY CONTROL SAMPLE: 1780436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.6	91	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	40.5	81	67-130	
1,1,2-Trichloroethane	ug/L	50	43.4	87	70-130	
1,1-Dichloroethane	ug/L	50	48.4	97	70-134	
1,1-Dichloroethene	ug/L	50	50.1	100	75-132	
1,2-Dibromo-3-chloropropane	ug/L	50	38.8	78	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	48.5	97	70-130	
1,2-Dichlorobenzene	ug/L	50	46.9	94	70-130	
1,2-Dichloroethane	ug/L	50	45.8	92	73-134	
1,2-Dichloropropane	ug/L	50	42.4	85	79-128	
1,3-Dichlorobenzene	ug/L	50	46.8	94	70-130	
1,4-Dichlorobenzene	ug/L	50	47.2	94	70-130	
Benzene	ug/L	50	44.3	89	69-137	
Bromodichloromethane	ug/L	50	41.4	83	70-130	
Bromoform	ug/L	50	43.7	87	64-133	
Bromomethane	ug/L	50	35.2	70	29-123	
Carbon disulfide	ug/L	50	49.1	98	67-153	
Carbon tetrachloride	ug/L	50	46.0	92	73-142	
Chlorobenzene	ug/L	50	47.0	94	70-130	
Chloroethane	ug/L	50	47.2	94	59-133	
Chloroform	ug/L	50	45.4	91	80-129	
Chloromethane	ug/L	50	33.5	67	27-125	
cis-1,2-Dichloroethene	ug/L	50	44.3	89	70-134	
cis-1,3-Dichloropropene	ug/L	50	43.2	86	70-130	

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QUALITY CONTROL DATA

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

LABORATORY CONTROL SAMPLE: 1780436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	45.1	90	70-130	
Dichlorodifluoromethane	ug/L	50	34.7	69	12-127	
Ethylbenzene	ug/L	50	47.5	95	86-127	
Isopropylbenzene (Cumene)	ug/L	50	47.8	96	70-130	
Methyl-tert-butyl ether	ug/L	50	43.9	88	65-136	
Methylene Chloride	ug/L	50	46.4	93	72-133	
Styrene	ug/L	50	47.4	95	70-130	
Tetrachloroethene	ug/L	50	48.6	97	70-130	
Toluene	ug/L	50	47.9	96	84-124	
trans-1,2-Dichloroethene	ug/L	50	49.6	99	70-133	
trans-1,3-Dichloropropene	ug/L	50	42.6	85	67-130	
Trichloroethene	ug/L	50	47.1	94	70-130	
Trichlorofluoromethane	ug/L	50	52.1	104	69-147	
Vinyl chloride	ug/L	50	41.5	83	48-134	
Xylene (Total)	ug/L	150	143	95	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1780460 1780461

Parameter	Units	40178447004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	56.0	46.9	112	94	70-136	18	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	51.7	41.3	103	83	67-133	22	20	R1
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.9	45.0	108	90	70-130	18	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	58.8	50.2	118	100	70-139	16	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	61.8	52.4	124	105	72-137	16	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	51.0	37.8	102	76	60-130	30	21	R1
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	59.5	50.1	119	100	70-130	17	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	58.8	48.0	118	96	70-130	20	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	56.4	47.7	113	95	71-137	17	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.4	44.5	107	89	78-130	18	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	59.5	47.8	119	96	70-130	22	20	R1
1,4-Dichlorobenzene	ug/L	<0.94	50	50	60.7	50.0	121	100	70-130	19	20	
Benzene	ug/L	<0.25	50	50	54.5	45.7	109	91	66-143	18	20	
Bromodichloromethane	ug/L	<0.36	50	50	53.1	44.6	106	89	70-130	17	20	
Bromoform	ug/L	<4.0	50	50	56.2	45.6	112	91	64-134	21	20	R1
Bromomethane	ug/L	<0.97	50	50	46.9	39.6	94	79	29-136	17	25	
Carbon disulfide	ug/L	0.45J	50	50	61.0	51.5	121	102	67-156	17	21	
Carbon tetrachloride	ug/L	<0.17	50	50	57.8	48.4	116	97	73-142	18	20	
Chlorobenzene	ug/L	<0.71	50	50	60.1	50.2	120	100	70-130	18	20	
Chloroethane	ug/L	<1.3	50	50	59.1	48.6	118	97	58-138	19	20	
Chloroform	ug/L	<1.3	50	50	55.5	45.8	111	92	80-131	19	20	

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QUALITY CONTROL DATA

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1780460 1780461

Parameter	Units	40178447004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloromethane	ug/L	<2.2	50	50	39.7	33.0	79	66	24-125	19	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	54.3	45.3	109	91	68-137	18	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	55.8	45.4	112	91	70-130	20	20	
Dibromochloromethane	ug/L	<2.6	50	50	56.9	47.3	114	95	70-131	18	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	43.3	36.0	87	72	10-127	18	20	
Ethylbenzene	ug/L	<0.22	50	50	58.3	49.0	117	98	81-136	17	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	59.5	50.0	119	100	70-132	17	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	54.0	45.5	108	91	58-142	17	23	
Methylene Chloride	ug/L	<0.58	50	50	57.0	48.3	114	97	69-137	17	20	
Styrene	ug/L	<0.47	50	50	60.2	50.7	120	101	70-130	17	20	
Tetrachloroethene	ug/L	<0.33	50	50	62.5	51.2	125	102	70-132	20	20	
Toluene	ug/L	<0.17	50	50	58.2	49.4	116	99	81-130	16	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	60.6	51.2	121	102	70-136	17	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	53.8	44.9	108	90	67-130	18	20	
Trichloroethene	ug/L	<0.26	50	50	57.6	48.9	115	98	70-131	16	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	64.0	54.1	128	108	66-150	17	20	
Vinyl chloride	ug/L	<0.17	50	50	50.7	43.7	101	87	46-134	15	20	
Xylene (Total)	ug/L	<1.5	150	150	180	153	120	102	70-134	16	20	
4-Bromofluorobenzene (S)	%						97	97	70-130			
Dibromofluoromethane (S)	%						99	100	70-130			
Toluene-d8 (S)	%						98	100	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

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

QUALITY CONTROL DATA

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

QC Batch: 305380 Analysis Method: EPA 9060
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006

METHOD BLANK: 1784823 Matrix: Water
Associated Lab Samples: 40178315001, 40178315002, 40178315003, 40178315004, 40178315005, 40178315006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.25	0.85	11/05/18 22:16	
Total Organic Carbon	mg/L	<0.25	0.85	11/05/18 22:16	
Total Organic Carbon	mg/L	<0.25	0.85	11/05/18 22:16	
Total Organic Carbon	mg/L	<0.25	0.85	11/05/18 22:16	
Total Organic Carbon	mg/L	<0.25	0.85	11/05/18 22:16	

LABORATORY CONTROL SAMPLE: 1784824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	2.5	2.5	99	80-120	
Total Organic Carbon	mg/L	2.5	2.4	97		
Total Organic Carbon	mg/L	2.5	2.5	101		
Total Organic Carbon	mg/L	2.5	2.4	97		
Total Organic Carbon	mg/L	2.5	2.5	102		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1784825 1784826

Parameter	Units	40178315002 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	5.2	6	6	11.6	11.7	107	108	80-120	0	20	
Total Organic Carbon	mg/L	5.1	6	6	11.8	11.7	112	110		1		
Total Organic Carbon	mg/L	5.3	6	6	11.6	11.7	105	106		1		
Total Organic Carbon	mg/L	5.2	6	6	11.6	11.9	108	113		3		
Total Organic Carbon	mg/L	5.2	6	6	11.5	11.4	104	103		1		

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QUALIFIERS

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40178315001	MW-4S	EPA 6010	305985		
40178315002	MW-5S	EPA 6010	305985		
40178315003	MW-17S	EPA 6010	305985		
40178315004	PZ-5	EPA 6010	305985		
40178315005	PZ-6	EPA 6010	305985		
40178315006	MW-5S DUP	EPA 6010	305985		
40178315001	MW-4S	EPA 7470	304587	EPA 7470	304720
40178315002	MW-5S	EPA 7470	304587	EPA 7470	304720
40178315003	MW-17S	EPA 7470	304587	EPA 7470	304720
40178315004	PZ-5	EPA 7470	304587	EPA 7470	304720
40178315005	PZ-6	EPA 7470	304587	EPA 7470	304720
40178315006	MW-5S DUP	EPA 7470	304587	EPA 7470	304720
40178315001	MW-4S	EPA 8260	304541		
40178315002	MW-5S	EPA 8260	304541		
40178315003	MW-17S	EPA 8260	304541		
40178315004	PZ-5	EPA 8260	304541		
40178315005	PZ-6	EPA 8260	304541		
40178315006	MW-5S DUP	EPA 8260	304541		
40178315007	TRIP BLANK	EPA 8260	304541		
40178315001	MW-4S				
40178315002	MW-5S				
40178315003	MW-17S				
40178315004	PZ-5				
40178315005	PZ-6				
40178315006	MW-5S DUP				
40178315008	MW-1SR				
40178315009	MW-2M				
40178315010	MW-2S				
40178315011	MW-6M				
40178315012	MW-6S				
40178315013	MW-7M				
40178315014	MW-8D				
40178315015	MW-8M				
40178315016	MW-8S				
40178315017	MW-9M				
40178315018	MW-10M				
40178315019	MW-11M				
40178315020	MW-12S				
40178315021	MW-14S				
40178315022	MW-15M				
40178315023	MW-16S				
40178315024	MW-16M				
40178315025	MW-17M				
40178315026	PZ-1				
40178315027	PZ-2				
40178315028	PZ-3				
40178315029	PZ-4				

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1701119 ONALASKA LANDFILL
Pace Project No.: 40178315

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40178315001	**MW-4S**	EPA 9060	305380		
40178315002	**MW-5S**	EPA 9060	305380		
40178315003	**MW-17S**	EPA 9060	305380		
40178315004	**PZ-5**	EPA 9060	305380		
40178315005	**PZ-6**	EPA 9060	305380		
40178315006	**MW-5S DUP**	EPA 9060	305380		

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(Please Print Clearly)

Company Name:	The OS Group, LLC
Branch/Location:	La Crosse, WI
Project Contact:	Steven Osesek
Phone:	608-433-9388
Project Number:	1701119
Project Name:	Onalaska Landfill
Project State:	WI
Sampled By (Print):	Steven Osesek
Sampled By (Sign):	Steven Osesek
PO #:	
Regulatory Program:	

Pace Analytical®
www.pacelabs.com

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

40178315

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

Quote #:	
Mail To Contact:	Steven Osesek
Mail To Company:	The OS Group, LLC
Mail To Address:	444 21st S La Crosse, WI 54601
Invoice To Contact:	Steven Osesek
Invoice To Company:	The OS Group, LLC
Invoice To Address:	444 21st S La Crosse, 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

FILTERED? (YES/NO)				Y/N	N	Y	N
PRESERVATION (CODE)*				Pick Letter	B	D	C
				Analyses Requested	VOCs	Metals	TOC

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	Metals	TOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-4S	10/23/18	1:45	GW	X	X	X			
002	MW-5S	↓	2:35	GW	X	X	X			
003	MW-17S	↓	3:00	GW	X	X	X			
004	PZ-5	↓	12:50	GW	X	X	X			
005	PZ-6	↓	12:25	GW	X	X	X			
006	Dup	↓	3:10	GW	X	X	X			
007	Trip Blank	↓	12:00	W	X					
									Metals: As, Ba, Cd, Co, Pb, Mn, V, Hg	

Oct 10/25/18

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	10/23/18 2:00		
Fed Ex	10-25-18 0955	Susan Myle Pace	10-25-18 0955

PACE Project No. 40178315

Receipt Temp = ROT °C

Sample Receipt pH
(OK) / Adjusted

Cooler Custody Seal
Present / ~~Not Present~~
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: The O.S. Group Project # 40178315

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

Lab Lot# of pH paper: 10152681 Lab Std #ID of preservation (if pH adjusted):

	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)
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN						
001			2										1					3												Y		2.5 / 5 / 10
002			2										1					3												Y		2.5 / 5 / 10
003			2										1					3												Y		2.5 / 5 / 10
004			2										1					3												Y		2.5 / 5 / 10
005			2										1					3												Y		2.5 / 5 / 10
006			2										1					3												Y		2.5 / 5 / 10
007																		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

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	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: The O S Group

Project #:

WO#: 40178315

40178315

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco

☐ Client ☐ Pace Other:

Tracking #: 783413815457

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

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

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

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

Cooler Temperature Uncorr: ROT /Corr:

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

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

Person examining contents:
Date: 10-25-18
Initials: SW

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
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.
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: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 394		

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 10/25/18

Page 2 of 2