

APRIL 2021 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
July 2021*



JULY 27, 2021

APRIL 2021 GROUNDWATER MONITORING SUMMARY REPORT

PROJECT No. 1701119

PREPARED BY:

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1.0 INTRODUCTION

Coulee Environmental Solutions™, a division of The OS Group, LLC (CES) has completed the April 2021 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 a routine semi-annual groundwater sampling event at the site. This report covers the April 2021 sampling event.

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 April 26 through 30, 2021, per the scope of work developed by the WDNR. Prior to collection of the samples, on April 23, 2021, CES field personnel opened all shallow and mid-depth groundwater monitoring wells to allow pressures to equilibrate to atmospheric. After water levels stabilized for more than one hour, CES field personnel measured depth to water level in each monitoring well. Prior to sampling the monitoring wells, the monitoring wells were purged using dedicated submersible pumps and tubing. During purging, CES field personnel measured field parameters (dissolved oxygen, ORP, specific conductance, temperature and pH) using a YSI 556 multi-meter with a flow-through cell. Purging was considered complete when the field parameters stabilized per WDNR's groundwater sampling desk reference guidance, typically requiring 30 to 60 minutes per well. Monitoring well purge water was discharged to the ground per the WDNR's scope of work. Once purging was complete, CES field personnel collected groundwater samples for the parameters listed in Appendix A. Samples for metals analysis were field filtered with a 0.45-micron filter. Groundwater samples were preserved and stored on ice and shipped under chain of custody to Pace Analytical in Green Bay, Wisconsin for analyses. Copies of the laboratory analytical reports are provided in Attachment B.

2.2 POTABLE WELL SAMPLING

CES field personnel collected water samples from private potable wells PW-1, PW-2, PW-3, PW-4, PW-5 and PW-6 during the April 2021 sampling event. CES field personnel purged all potable wells for a minimum of ten minutes prior to sampling. Samples were preserved and shipped on ice to Pace Analytical in Green Bay, Wisconsin for volatile organic compounds (VOCs) and metals analysis. Samples for metals analysis from the potable wells were not field filtered. Copies of the laboratory analytical reports are provided in Appendix B.

3.0 RESULTS

3.1 WATER LEVELS AND FLOW DIRECTION

During the April 2021 groundwater sampling events groundwater was encountered at depths ranging from approximately 3 to 29 feet below ground surface (bgs).

Potentiometric surface maps were developed for both the shallow and mid-depth wells. On the maps, shallow wells were denoted with a “S” and “PZ” suffix, and mid-depth wells were denoted with a “M” suffix. During each sampling event, the groundwater flow appeared to be to the south-southwest. Potentiometric Surface Maps for the shallow and mid-depth wells are provided on Figures 3 and 4, respectively.

3.2 GROUNDWATER RESULTS

During the April 2021 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. Laboratory analytical results were similar to prior years’ results; arsenic, iron, and manganese were commonly detected at concentrations above the NR 140 enforcement standards (ES). Similar to the July 2020 sampling event, barium was detected above the NR140 preventive action limit (PAL) in wells MW-2M, MW-6M, MW-8M, MW-15M, MW-16M, and MW-17M. The most commonly detected VOCs above any applicable standards included trimethylbenzene (MW-4S, MW-5S, MW-17S, and PZ-5) and naphthalene (MW-5S, MW-14S, and MW-16S), which were both detected at concentrations above the NR140 PALs. The only other VOC compound detected above applicable standards was benzene detected above the PAL in MW-16M.

3.3 POTABLE WELL RESULTS

Laboratory analysis of the potable well samples detected iron and/or manganese in wells PW-2, PW-3, PW-5 and PW-6. Detections above NR140 ES were observed in PW-2, PW-5, and PW-6. Iron was detected above the NR 140 ES in PW-5 and PW-6 and above the NR 140 PAL in PW-2. Manganese was detected above the NR140 ES in PW-2 and above the NR140 PAL in PW-5 and PW-6. No VOC compounds were detected in any of the six (6) potable well samples collected. A brief comparison of the potable well sampling results with prior sampling events is provided below:

- PW-1: No metals were detected during the April 2021 sampling event. During the April 2019 and July 2020 sampling events, lead exceeded the NR140 ES, and manganese exceeded the PAL. It should be noted that during the April 2021 sampling event, at the request of the homeowner, the potable well sample was collected from the kitchen faucet for the first time since CES has been conducting the

sampling. Previous samples were collected after the pressure tank or from an outside faucet.

- PW-2: Manganese exceeded the NR140 ES and iron exceeded the NR140 PAL during the April 2021 sampling event. During the April 2019 and July 2020 sampling events, no NR140 exceedances were documented.
- PW-3: No NR140 ES exceedances were recorded during the April 2021 sampling event. During the previously completed April 2019 sampling event, an NR140 ES exceedance was documented for iron and a NR140 PAL exceedance for manganese. No sample was collected per the homeowner's request during the July 2020 sampling event.
- PW-4: No metals were detected during the April 2021 sampling event. Prior sampling events in April 2019 and July 2020 showed NR140 ES exceedances for iron and PAL exceedances for manganese.
- Sampling results from PW-5 during the April 2021 sampling event were similar to prior sampling events with the exception that manganese was no longer detected at concentrations above the ES.
- PW-6: Iron exceeded the NR140 ES during the April 2021 sampling event. Iron was not previously detected during the April 2019 and July 2020 sampling events.

4.0 SUMMARY AND CONCLUSIONS

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

- Groundwater samples were collected from twenty-six (26) shallow and mid-depth monitoring wells and analyzed for metals, TOC and alkalinity. In addition, 13 of the samples were analyzed for VOCs.
- Potable water samples were collected from six (6) potable wells (PW-1, PW-2, PW-3, PW-4, PW-5 and PW-6) during this sampling event and analyzed for VOCs and metals.
- At the homeowner's request, the sample from PW-1 was collected from the kitchen faucet. All remaining potable well samples were collected from the same locations as previous samples were collected.
- The depth to water was measured in all shallow and mid-depth monitoring wells prior to sampling. Groundwater elevations were calculated, and flow maps were developed. The groundwater flow was primarily to the south-southwest in both the shallow and mid-depth wells during both sampling events.
- Arsenic, iron and manganese were detected in monitoring wells at concentrations above the NR 140 ESs during the April 2021 sampling event. Barium was detected in six (6) mid-depth wells at concentrations above the PAL during the April 2021 sampling event.
- 1,2,4-trimethylbenzene was detected at concentrations above the NR 140 PAL in monitoring wells MW-4S, MW-5S and MW-17S. Naphthalene was detected above the NR 140 PAL in wells MW-5S, MW-14S and MW-16S.
- No VOCs were detected in any of the six (6) potable well samples collected during the April 2021 sampling event.
- During the April 2021 sampling event, iron and manganese were detected in three (3) potable well samples at concentrations above either the PAL or ES. Iron was detected above the ES in PW-5 and PW-6 and above the PAL in PW-2. Manganese exceeded the ES in PW-2 and exceeded the PAL in PW-5 and PW-6.

5.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

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

Prepared By:

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



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Supervised By:

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



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Supervised By:

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



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TABLES

TABLE 1 – SUMMARY OF DETECTED COMPOUNDS

TABLE 2 – WATER TABLE ELEVATIONS

**Table 1
1SR
Summary of Detected Compounds
Onalaska Superfund Landfill**

| Volatile Organic Compounds (VOC), ug/L | | | | | | | | | | | | 7/31/20 | PAL | ES | |
|---|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-----------|
| | 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 | 4/22/2019 | 7/31/2020 | Duplicate | | | 4/26/2021 |
| Metals, mg/L | | | | | | | | | | | | | | | |
| Arsenic | 0.00027 | <0.00061 | 0.00025 | <0.0044 | <0.0072 | <0.0072 | <0.0072 | <0.0054 | <0.0054 | <0.0054 | <0.0083 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.033 | 0.033 | 0.037 | 0.0263 | 0.0316 | 0.0664 | 0.0273 | 0.0215 | 0.0251 | 0.0211 | 0.033 | 0.0326 | 0.0231 | 0.4 | 2 |
| Cadmium | <0.00012 | <0.00061 | <0.00010 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <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 | <0.0014 | <0.0014 | <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 | 0.307 | 0.0472J | 0.0516J | 0.0908J | 0.15 | 0.3 |
| Lead | 0.00029 | <0.00061 | 0.029 | <0.0012 | <0.0030 | <0.0030 | <0.0030 | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | ---- | ---- | 12.8 | 9.43 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | 0.19 | 0.049 | 0.600 | 0.187 | 0.269 | 0.320 | 0.042 | 0.0553 | 0.325 | 0.264 | 0.0652 | 0.0642 | 0.127 | 0.060 | 0.300 |
| Mercury | <0.000065 | <0.000065 | <0.000070 | <0.0001 | <0.00010 | <0.00010 | <0.00018 | <0.00013 | <0.00013 | 0.00017 | <0.000066 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | ---- | 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 | <0.0022 | <0.0026 | <0.0026 | <0.0026 | 0.006 | 0.03 |
| Dissolved Gases, ug/L | | | | | | | | | | | | | | | |
| Ethane | ---- | ---- | <0.49 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | ---- | ---- | 0.64 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | ---- | ---- | 2.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Natural Attenuation Parameters, mg/L | | | | | | | | | | | | | | | |
| Chloride | 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 | 90.1 | 140 | ---- | 104 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | 4.8 | ---- | ---- | ---- | ---- | ---- | 3.6 | 4.4 | 2.5 | ---- | 2.7 | ---- | ---- |
| pH | 6.99 | 7.1 | 7.86 | 6.73 | 7.84 | 6.92 | 7.53 | 7.02 | 6.36 | 7.22 | 6.77 | 6.77 | 7.22 | ---- | ---- |
| Conductivity (mS/cm) | 219 | 340 | 320 | 0.174 | 0.163 | 0.299 | 0.196 | 0.181 | 0.187 | 0.145 | 0.222 | 0.222 | 0.226 | ---- | ---- |
| Temperature (C) | 6.9 | 8.2 | 12.3 | 9.85 | 7.22 | 11.37 | 9.06 | 9.41 | 8.45 | 7.8 | 11.46 | 11.46 | 8.37 | ---- | ---- |
| ORP (mV) | +17 | +15 | 39.7 | 65.6 | 48.4 | 16.4 | 70.2 | 80.9 | 20.4 | -41.2 | 29.6 | 29.6 | -3.8 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 2.0 | 3.0 | 4.5 | 4.62 | 12.45 | 1.16 | 3.28 | 3.64 | 1.07 | 1.75 | 0.58 | 0.58 | 2.15 | ---- | ---- |

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

Table 1
2S
Summary of Detected Compounds
Onalaska Superfund Landfill

| Compounds (VOC), ug/L | 4/19/2012 | 5/16/2013 | 4/29/2014 | 10/15/2015 | 4/27/2016 | 4/21/2017 | 4/26/2018 | 4/25/2019 | 4/25/19 Duplicate | 7/31/2020 | 7/31/20 Duplicate | 4/29/2021 | 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 |
| 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 | <0.0054 | 0.0276 | <0.0083 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.140 | 0.152 | 0.109 | 0.135 | 0.161 | 0.0842 | 0.0865 | 0.0699 | 0.0726 | 0.016 | 0.0171 | 0.142 | 0.4 | 2 |
| Cadmium | <0.00010 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Calcium | ---- | 32.1 | 32.5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Cobalt | 0.00086 | <0.00085 | <0.00094 | <0.00094 | 0.00097 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | 35 | 37.1 | 33.2 | 27.1 | 32.8 | 29.3 | 22.6 | 19.3 | 19.6 | 39.3 | 41.7 | 32.7 | 0.15 | 0.3 |
| Lead | 0.00055 | <0.0012 | <0.0030 | <0.0030 | 0.0036 | <0.0043 | <0.0043 | <0.0064 | <0.0064 | <0.0059 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | 7.71 | 8.35 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | 0.990 | 0.999 | 1.02 | 0.799 | 0.787 | 0.904 | 0.617 | 0.568 | 0.593 | 1.100 | 1.17 | 0.946 | 0.060 | 0.300 |
| Mercury | <0.000070 | <0.00010 | <0.00010 | <0.00010 | <0.00018 | <0.00013 | <0.00013 | 0.00017 | <0.000084 | <0.000066 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | 9.89 | 5.44 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | 25 | 16.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 0.00087 | 0.002 | <0.0020 | 0.0029 | <0.0020 | <0.0022 | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | <0.0026 | 0.006 | 0.03 |
| Dissolved Gases, ug/L | | | | | | | | | | | | | | |
| Ethane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Natural Attenuation Parameters, mg/L | | | | | | | | | | | | | | |
| Chloride | 32 | 15.2 | 19.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Nitrate as N | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2 | 10 |
| Sulfate | ---- | 2.4 | <2.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Total Alkalinity | 180 | 169 | 159 | 233 | 218 | 151 | 102 | 120 | ---- | 251 | 251 | 195 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | 3.8 | 4.4 | ---- | 5.9 | 5.7 | 5.4 | ---- | ---- |
| pH | 7.34 | 6.52 | 9.32 | 6.46 | 6.90 | 6.62 | 6.29 | 6.67 | 6.67 | 6.29 | 6.29 | 6.39 | ---- | ---- |
| Conductivity (mS/cm) | 440 | 0.372 | 0.376 | 0.481 | 0.457 | 0.342 | 0.307 | 0.272 | 0.272 | 0.440 | 0.440 | 0.549 | ---- | ---- |
| Temperature (C) | 10.1 | 11.43 | 10.86 | 10.14 | 10.90 | 10.62 | 11.12 | 10.64 | 10.64 | 10.50 | 10.50 | 6.74 | ---- | ---- |
| ORP (mV) | -57.6 | -49.8 | -554.3 | -47.3 | -68.7 | -74.0 | -52.5 | -110.1 | -110.1 | 29.9 | 29.9 | -91.1 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 2.0 | 1.1 | 0.60 | 0.34 | 0.47 | 0.79 | 0.15 | 0.37 | 0.37 | 0.43 | 0.43 | 1.54 | ---- | ---- |

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

Table 1
2M
Summary of Detected Compounds
Onalaska Superfund Landfill

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

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 | 4/14/2009 | 10/28/2009 | 4/28/2010 | 10/28/2010 | 10/27/2011 | 4/18/2012 | 5/17/2013 | 10/29/2013 | 4/28/2014 | Duplicate 4/28/2014 |
|---|------------------|-------------------|------------------|-------------------|-------------------|------------------|------------------|-------------------|------------------|----------------------------|
| 1,2,4-Trimethylbenzene | 470 | 780 | 480 | 800 | 280 | 89 | 511 | 707 | 295 | 296 |
| 1,3,5-Trimethylbenzene | 65 | 28 | 18 | 49 | <1.0 | <0.23 | 18.5 | 6.9 | 4.6 | 4.1 |
| Acetone | ---- | ---- | ---- | ---- | ---- | ---- | <2.6 | <10.4 | <7.4 | <14.8 |
| n-Butylbenzene | 10 | <0.20 | 7.7 | 32 | 5.6 | <0.21 | ---- | 6.3 | 4.7 | 5.2 |
| sec-Butylbenzene | 20 | 32 | 20 | 18 | 14 | 5.7 | ---- | 21.7 | 14.5 | 16.0 |
| Chloroethane | <10 | <1.0 | <8.0 | <10 | <5.0 | <0.33 | <0.44 | | | |
| tert-Butylbenzene | ---- | ---- | 2.7 | <2.0 | 1.7 | <0.24 | ---- | 2.2 | 1.6 J | 1.8 J |
| Ethylbenzene | <5.0 | 6.5 | <4.0 | 5.8 | <2.5 | <0.14 | 1.1 | 7.2 | <1.2 | <2.5 |
| Isopropylbenzene | 11 | 21 | 9.3 | 9.8 | 7.1 | 1.5 | ---- | 19.4 | 7.2 | 7.7 |
| p-Isopropyltoluene | 24 | 31 | 19 | 57 | 8.9 | 3.0 | ---- | 10.7 | 8.6 | 9.9 |
| Naphthalene | 8.2 | 11 | 4.1 | 49 | 3.3 | <0.24 | 4.5 | 18.2 | <6.2 | <12.5 |
| n-Propylbenzene | 24 | 45 | 20 | 30 | 14 | 3.6 | ---- | 31.1 | 14.5 | 15.8 |
| Xylenes (total) | 12 | 24 | 8.0 | 13 | 5.6 | 0.91 | 5.2 | 14.0 | <3.8 | <7.5 |
| Metals, mg/L | | | | | | | | | | |
| Arsenic | 0.005 | 0.0068 | 0.0058 | 0.0039 | 0.0037 | 0.0032 | <0.0044 | 0.0071 | <0.0072 | ---- |
| Barium | 0.270 | 0.240 | 0.27 | 0.24 | 0.21 | 0.170 | 0.261 | 0.274 | 0.214 | ---- |
| Cadmium | <0.00012 | <0.00061 | <0.00061 | <0.00012 | <0.00012 | <0.00010 | 0.00059 | <0.00038 | <0.00060 | ---- |
| Cobalt | 0.0005 | <0.00061 | <0.00061 | <0.00061 | <0.00016 | 0.00019 | <0.00085 | <0.00085 | <0.00094 | ---- |
| Iron | 11 | 12 | 9.2 | 8.0 | 7.0 | 5.3 | 7.98 | 10 | 6.82 | ---- |
| Lead | 0.00035 | <0.00061 | <0.00061 | <0.00061 | 0.00013 | 0.00025 | <0.0012 | <0.0012 | <0.0030 | ---- |
| Manganese | 0.011 | 1 | 1.3 | 1.3 | 1.2 | 1.1 | 1.2 | 0.949 | 0.778 | ---- |
| Mercury | <0.000065 | <0.000065 | <0.000065 | <0.000065 | <0.000070 | <0.00070 | <0.00010 | <0.00010 | <0.00010 | ---- |
| Vanadium | 0.00055 | 0.0007 | <0.00061 | <0.00061 | <0.00066 | 0.00044 | 0.0022 | <0.0012 | <0.0020 | ---- |
| Dissolved Gases, ug/L | | | | | | | | | | |
| Ethane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Natural Attenuation Parameters, mg/L | | | | | | | | | | |
| Chloride | 16 | ---- | 9.5 | ---- | ---- | 7.4 | 6.1 | ---- | 15.6 | ---- |
| Nitrate as N | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sulfate | ---- | ---- | ---- | ---- | ---- | ---- | 4.4 | ---- | 3.6 | ---- |
| Total Alkalinity | 270 | ---- | 290 | ---- | ---- | 390 | 290 | ---- | 271 | ---- |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| pH | 6.81 | 6.98 | 6.6 | 7.37 | 7.8 | 7.30 | 6.69 | 6.96 | 7.15 | ---- |
| Conductivity (mS/cm) | 880 | 505 | 730 | 562 | 670 | 630 | 0.431 | 0.446 | 0.431 | ---- |
| Temperature (C) | 7.8 | 11.7 | 9.5 | -10.0 | 9.6 | 12.6 | 9.58 | 11.61 | 9.64 | ---- |
| ORP (mV) | -13 | -55 | -15 | -292.6 | -113 | -22.4 | -66.4 | -48.7 | -127 | ---- |
| Dissolved Oxygen (mg/L) | 1.0 | 2.0 | 2.5 | 0.0 | 0.0 | 5.0 | 1.3 | 0.71 | 1.00 | ---- |

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 | 10/28/2014 | 10/13/2015 | Duplicate 10/13/2015 | 4/27/2016 | Duplicate 4/27/2016 | 10/3/2016 | 4/19/2017 | 1/9/2018 | 4/26/2018 | 4/26/18 DUP |
|---|-------------------|-------------------|-----------------------------|------------------|----------------------------|------------------|------------------|-----------------|------------------|--------------------|
| 1,2,4-Trimethylbenzene | 261 | 401 | 341 | 976 | 871 | 1,650 | 913 | 271 | 584 | 504 |
| 1,3,5-Trimethylbenzene | 2.5 | <1.2 | <1.2 | <5.0 | <5.0 | 195 | <5 | <0.50 | <0.50 | <5.0 |
| Acetone | <7.4 | <7.4 | <7.4 | <29.5 | <29.5 | <29.5 | <29.5 | <3.0 | <3.0 | <29.5 |
| n-Butylbenzene | 6.3 | 6.1 | 5.5 | <5.0 | <5.0 | 16.7 | 9.4J | 5.7 | 6.4 | 5.2J |
| sec-Butylbenzene | 23.4 | 21.1 | 19.3 | 30.8 | 30.2 | 40.9 | 22.8J | 17.7 | 20.0 | <21.9 |
| Chloroethane | | | | | | | | 0.69J | 0.84J | <3.7 |
| tert-Butylbenzene | 3.0 | 2.4 | 2.2 | 4.2 | 3.2 | 4.7 | 2.2J | 2.0 | 2.6 | 2.1J |
| Ethylbenzene | <1.2 | <1.2 | <1.2 | <5.0 | <5.0 | <5.0 | <5.0 | <0.5 | 0.95J | <5.0 |
| Isopropylbenzene | 12.7 | 10.7 | 9.8 | 17.5 | 16.5 | 23.6 | 13.5 | 7.6 | 18.4 | 14.8 |
| p-Isopropyltoluene | 11.2 | 12.0 | 11.5 | 25.5 | 25.2 | 32.5 | 17.9 | 9.9 | 11.9 | 8.9J |
| Naphthalene | <6.2 | <6.2 | <6.2 | <25.0 | <25.0 | <25.0 | <25 | <2.5 | 7.0 | <25.0 |
| n-Propylbenzene | 15.4 | 18.4 | 17.4 | 43.2 | 39.4 | <5.0 | 38 | 13.8 | 31.6 | 26.1 |
| Xylenes (total) | <3.8 | <3.8 | <3.8 | <15.0 | <15.0 | 19.9 | <15 | 2.1J | 7.5 | <15.0 |

Metals, mg/L

| | | | | | | | | | | |
|-----------|----------|----------|------|----------|------|----------|----------|----------|----------|----------|
| Arsenic | <0.0072 | <0.0072 | ---- | <0.0072 | ---- | 0.0118 | <0.0054 | 0.0094 | 0.0109J | 0.0069J |
| Barium | 0.223 | 0.223 | ---- | 0.251 | ---- | 0.314 | 0.333 | 0.266 | 0.293 | 0.297 |
| Cadmium | <0.00060 | <0.00060 | ---- | <0.00060 | ---- | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 |
| Cobalt | <0.00094 | <0.00094 | ---- | <0.00094 | ---- | <0.00094 | <0.0014 | <0.0014 | <0.0014 | <0.0014 |
| Iron | 7.86 | 7.05 | ---- | 9.83 | ---- | 13.4 | 14.5 | 9.64 | 11.9 | 11.9 |
| Lead | <0.0030 | <0.0030 | ---- | <0.0030 | ---- | <0.0030 | <0.0043 | 0.0046 | <0.0043 | <0.0043 |
| Manganese | 0.876 | 0.730 | ---- | 0.96 | ---- | 0.934 | 1.12 | 0.801 | 0.868 | 0.892 |
| Mercury | <0.00010 | <0.00010 | ---- | <0.00018 | ---- | <0.00013 | <0.00013 | <0.00013 | <0.00013 | <0.00013 |
| Vanadium | <0.0020 | 0.0026 | ---- | <0.0020 | ---- | <0.0020 | <0.0022 | <0.0022 | <0.0022 | <0.0022 |

Dissolved Gases, ug/L

| | | | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|
| Ethane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

Natural Attenuation Parameters, mg/L

| | | | | | | | | | | |
|----------------------|------|------|------|------|------|------|------|------|------|------|
| Chloride | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Nitrate as N | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sulfate | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Total Alkalinity | ---- | 165 | ---- | 271 | ---- | 243 | 263 | 149 | 250 | 249 |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 1.8 | 2.5 | 2.7 |

| | | | | | | | | | | |
|-------------------------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|
| pH | 6.90 | 7.01 | ---- | 7.31 | ---- | 6.49 | 6.89 | 4.79 | 6.75 | 6.75 |
| Conductivity (mS/cm) | 0.406 | 0.374 | ---- | 0.398 | ---- | 0.395 | 0.41 | 0.308 | 0.46 | 0.46 |
| Temperature (C) | 11.13 | 10.64 | ---- | 9.79 | ---- | 11.97 | 9.86 | 11.62 | 10.03 | 10.03 |
| ORP (mV) | -55.3 | -74.7 | ---- | -86.9 | ---- | -73.4 | -87.5 | -65 | -83.9 | -83.9 |
| Dissolved Oxygen (mg/L) | 0.17 | 0.54 | ---- | 0.37 | ---- | 0.09 | 0.88 | 0.16 | 0.24 | 0.24 |

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 | 10/24/2018 | 4/24/2019 | 4/24/19 Duplicate | 10/16/2019 | 7/27/2020 | 7/27/20 Duplicate | 11/4/2020 | 4/26/2021 | PAL | ES |
|---|-------------------|------------------|--------------------------|-------------------|------------------|--------------------------|------------------|------------------|------------|-----------|
| 1,2,4-Trimethylbenzene | 446 | 174 | ---- | 878 | 194 | 312 | 130 | 156 | 96 | 480 |
| 1,3,5-Trimethylbenzene | <8.7 | <0.87 | ---- | <8.7 | <1.7 | <0.87 | <1.7 | <0.89 | 96 | 480 |
| Acetone | <27.4 | <2.7 | ---- | | <5.5 | 3.3J | <0.49 | <21.6 | 1800 | 9000 |
| n-Butylbenzene | <7.1 | 4.1 | ---- | <7.1 | 4.0J | 6.2 | 3.2 J | 2.9 | ---- | ---- |
| sec-Butylbenzene | 19.6J | 12.3 | ---- | 29.9J | 10.2 | 14.9 | 9.0 J | 8.4 | ---- | ---- |
| Chloroethane | <13.4 | <1.3 | ---- | <13.4 | <2.7 | <1.3 | <2.7 | <4.1 | 3 | 30 |
| tert-Butylbenzene | <3.0 | 1.4 | ---- | <3.0 | 1.3J | 1.5 | 0.86 J | <1.5 | ---- | ---- |
| Ethylbenzene | <2.2 | <0.22 | ---- | <2.2 | <0.64 | <0.32 | <0.64 | <0.81 | 140 | 700 |
| Isopropylbenzene | 11.6J | 4.7J | ---- | 22.0J | 4.6J | 6.3 | <3.4 | 4.8J | ---- | ---- |
| p-Isopropyltoluene | 10.4J | 5.8 | ---- | 17.3J | 6.0 | 9.9 | 3.9 J | 3.3J | ---- | ---- |
| Naphthalene | <11.8 | <1.2 | ---- | <11.8 | <2.4 | 2.6J | <2.4 | <2.8 | 10 | 100 |
| n-Propylbenzene | 20.2J | 8.6 | ---- | 39.8J | 9.9J | 15.3 | 6.0 J | 7.1 | ---- | ---- |
| Xylenes (total) | <15.0 | <1.5 | ---- | <15.0 | <3.0 | 2.3J | <3.0 | <2.6 | 400 | 2,000 |
| Metals, mg/L | | | | | | | | | | |
| Arsenic | 0.0114J | 0.0097 | 0.0121J | .0097J | <0.0083 | <0.0083 | 0.0096J | <0.0083 | 0.001 | 0.01 |
| Barium | 0.296 | 0.225 | 0.23 | 0.313 | 0.235 | 0.243 | 0.196 | 0.196 | 0.4 | 2 |
| Cadmium | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Cobalt | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | 10.0 | 9.75 | 9.55 | 15.0 | 9.69 | 9.79 | 7.52 | 7.34 | 0.15 | 0.3 |
| Lead | <0.0064 | <0.0064 | 0.0075J | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Manganese | 0.754 | 0.641 | 0.642 | 0.897 | 0.701 | 0.686 | 0.638 | 0.643 | 0.060 | 0.300 |
| Mercury | <0.000084 | 0.00017J | <0.000084 | <0.000084 | <0.000066 | <0.000066 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Vanadium | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | <0.0026 | <0.0026 | <0.0026 | 0.006 | 0.03 |
| Dissolved Gases, ug/L | | | | | | | | | | |
| Ethane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Natural Attenuation Parameters, mg/L | | | | | | | | | | |
| Chloride | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Nitrate as N | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2 | 10 |
| Sulfate | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Total Alkalinity | ---- | 206 | 208 | ---- | 220 | 219 | ---- | 230 | ---- | ---- |
| Total Organic Carbon | 2.0 | 2.2 | 2.2 | 2.2 | 2.3 | 2.2 | 2.6 | 2.4 | ---- | ---- |
| pH | 6.94 | 7.00 | 7.00 | 6.93 | ---- | ---- | 7.09 | 7.08 | ---- | ---- |
| Conductivity (mS/cm) | 0.499 | 0.335 | 0.335 | 0.59 | 0.319 | 0.319 | 0.344 | 0.436 | ---- | ---- |
| Temperature (C) | 10.28 | 9.58 | 9.58 | 9.28 | 9.94 | 9.94 | 11.16 | 9.67 | ---- | ---- |
| ORP (mV) | -150 | -131 | -131 | -120.8 | 40.2 | 40.2 | -305.7 | -98 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 0.19 | 0.21 | 0.21 | 1.6 | 0.57 | 0.57 | 0.19 | 1.37 | ---- | ---- |

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

Table 1
5S
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 4/14/2009 | 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 | Duplicate 5/15/13 |
|--|-----------|------------|-----------|------------|------------|----------------------|-----------|---------------------|-----------|-------------------|
| 1,2,4-Trimethylbenzene | 460 | 1100 | 430 | 1400 | 340 | 710 | 570 | 330 | 1,120 | 1,060 |
| 1,3,5-Trimethylbenzene | 16 | 19 | 1.6 | 21 | 11 | 39 | <0.46 | <0.23 | <2.5 | <2.5 |
| n-Butylbenzene | <3.2 | 9.7 | 1.7 | 6.6 | 3.6 | 5.5 | <0.42 | <0.21 | ---- | ---- |
| sec-Butylbenzene | 10 | 19 | 7.9 | 16 | 9.3 | 12 | 7.1 | 6.7 | ---- | ---- |
| tert-Butylbenzene | 9.1 | <0.20 | 7.3 | 19 | 9.9 | 12 | <0.48 | <0.24 | ---- | ---- |
| Acetone | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 3.7 | 4.0 |
| Ethylbenzene | <8.0 | 10 | <2.5 | 22 | <2.0 | <5.0 | <0.28 | <0.14 | <0.50 | <0.50 |
| Isopropylbenzene | 25 | 70 | 30 | 57 | 30 | 34 | 18 | 16 | --- | --- |
| p-Isopropyltoluene | <3.2 | 12 | 2.8 | 8.6 | 3.5 | 6.2 | 2.9 | 2.1 | --- | --- |
| Naphthalene | 24 | 38 | 23 | 46 | 19 | 33 | 21 | 21 | 38.1 | 35.2 |
| n-Propylbenzene | 38 | 110 | 43 | 79 | 32 | 48 | 25 | 22 | ---- | ---- |
| Toluene | <8.0 | <0.50 | <2.5 | <4.0 | <2.0 | <5.0 | <0.30 | 0.24 | <0.44 | <0.44 |
| Xylenes (total) | <8.0 | 33 | 8.5 | 40 | 30 | 56 | 5.9 | 4.9 | 7.1 | 6.8 |

Metals, mg/L

| | | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|------|-----------|------|----------|------|
| Arsenic | 0.011 | 0.008 | 0.015 | 0.015 | 0.014 | ---- | 0.0098 | ---- | 0.016 | ---- |
| Barium | 0.29 | 0.20 | 0.28 | 0.45 | 0.25 | ---- | 0.180 | ---- | 0.296 | ---- |
| Cadmium | <0.00012 | <0.00061 | <0.00061 | 0.00012 | <0.00012 | ---- | <0.00010 | ---- | 0.00055 | ---- |
| Cobalt | 0.0048 | 0.0048 | 0.0051 | 0.0062 | 0.0041 | ---- | 0.0034 | ---- | 0.0049 | ---- |
| Iron | 17 | 15 | 23 | 32 | 17 | ---- | 14 | ---- | 26.1 | ---- |
| Lead | <0.00012 | <0.00061 | <0.00061 | <0.00061 | 0.00025 | ---- | <0.00016 | ---- | <0.0012 | ---- |
| Manganese | 1.9 | 1.7 | 2.0 | 2.2 | 1.9 | ---- | 1.4 | ---- | 1.84 | ---- |
| Mercury | <0.000065 | <0.000065 | <0.000065 | <0.000065 | <0.000070 | ---- | <0.000070 | ---- | <0.00010 | ---- |
| Vanadium | 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 | 5.93 | 6.89 | 6.8 | 7.29 | 7.59 | ---- | 7.38 | ---- | 6.63 | ---- |
| Conductivity (mS/cm) | 610 | 407 | 380 | 1016 | 470 | ---- | 320 | ---- | 0.369 | ---- |
| Temperature (C) | 6.3 | 11.5 | 10.1 | -12.7 | 10.4 | ---- | 14.9 | ---- | 9.4 | ---- |
| ORP (mV) | +29 | -42 | +40 | 109.2 | 132 | ---- | 57.7 | ---- | -65.6 | ---- |
| Dissolved Oxygen (mg/L) | 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 | | Duplicate | | Duplicate | | Duplicate | | Duplicate | | |
|---|------------|----------|-----------|-----------|------------|------------|------------|-----------|-----------|-----------|------------------------|
| | 10/29/2013 | 10/29/13 | 4/28/2014 | 4/28/2014 | 10/28/2014 | 10/13/2015 | 10/13/2015 | 4/25/2016 | 4/25/2016 | 10/3/2016 | Duplicate 10/3/2016 |
| 1,2,4-Trimethylbenzene | 1,510 | 1,380 | 922 | 1,340 | 1,560 | 1,510 | 1,860 | 1,120 | 1,060 | 1,220 | 1,210 |
| 1,3,5-Trimethylbenzene | 9 | 7 | <10.0 | <5.0 | <10.0 | <10.0 | <5.0 | <5.0 | <2.5 | <5.0 | <2.5 |
| n-Butylbenzene | 5.2 | 5.3 | 8.0 | 13.0 | 13.2 | 10.4 | 11.5 | <5.0 | <2.5 | 10.1 | 10.5 |
| sec-Butylbenzene | 9.1 | 9.9 | <43.7 | <21.9 | <43.7 | <43.7 | <21.9 | <21.9 | 13.7 | <21.9 | 14.6 |
| tert-Butylbenzene | 11.4 | 12.1 | 13.4 | 14.9 | 22.6 | 17.1 | 18.6 | 17.2 | 16.9 | 16.9 | 18.3 |
| Acetone | <25.9 | <25.9 | <59.1 | <29.5 | <59.1 | <59.1 | <29.5 | <29.5 | <14.8 | <29.5 | <14.8 |
| Ethylbenzene | <5.0 | <5.0 | <10.0 | <5.0 | <10.0 | <10.0 | <5.0 | <5.0 | <2.5 | <5.0 | <2.5 |
| Isopropylbenzene | 34.5 | 33.5 | 39.0 | 42.1 | 69.6 | 54.9 | 60.8 | 42.8 | 42.7 | 35.8 | 40.6 |
| p-Isopropyltoluene | 10.4 | 9.7 | 5.8 | 7.7 | 14.7 | 12.0 | 16.3 | 8.8 | 8.1 | 7.8 | 8.3 |
| Naphthalene | 25.4 | <25.0 | <50.0 | 38.8 | 52.0 | <50.0 | 58.5 | <25.0 | 21.6 | 29.1 | 34 |
| n-Propylbenzene | 78.0 | 73.6 | 64.5 | 73.9 | 101 | 114 | 118 | 73.1 | 70.9 | 74 | 80 |
| Toluene | <4.4 | <4.4 | <10.0 | <5.0 | <10.0 | <10.0 | <5.0 | <5.0 | <2.5 | <5.0 | <2.5 |
| Xylenes (total) | 15.1 | 13.7 | <30.0 | <15.0 | 56.9 | 51.1 | 58.5 | 20.1 | 20.1 | 20.8 | 21.2 |

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 | | 10/24/18 | | | | | | | | |
|--|-----------|-----------|----------|-----------|------------|-------|-----------|------------|-----------|-----------|-------------|
| | 4/18/2017 | 4/18/2017 | 1/9/2018 | 4/25/2018 | 10/24/2018 | DUP | 4/24/2019 | 10/16/2019 | 7/27/2020 | 11/4/2020 | 11/4/20 DUP |
| 1,2,4-Trimethylbenzene | 441 | ---- | 1330 | 1020 | 760 | 1460 | 538 | 988 | 1090 | 1110 | 729 |
| 1,3,5-Trimethylbenzene | <5.0 | ---- | <5.0 | <5.0 | <8.7 | <8.7 | <8.7 | <8.7 | <8.7 | <8.7 | <2.2 |
| n-Butylbenzene | <5.0 | ---- | 13.6 | 10.9 | <7.1 | <7.1 | <7.1 | <7.1 | 9.6J | 9.1 J | 6.4 |
| sec-Butylbenzene | <21.9 | ---- | <21.9 | <21.9 | 8.9J | 17.0J | 10.0J | 16.1J | 12.3J | 11.7 J | 11.9 J |
| tert-Butylbenzene | 5.9 J | ---- | 19.3 | 22.6 | 12.7 | 10.1J | 15.6 | 18.4 | 13.5 | 14.7 | 15.3 |
| Acetone | <29 | <14.8 | <29.5 | <29.5 | <27.4 | <27.4 | <27.4 | <27.4 | <27.4 | <27.4 | <6.9 |
| Ethylbenzene | <5 | <2.5 | <5.0 | <5.0 | <2.2 | <2.2 | <2.2 | <2.2 | <3.2 | <3.2 | <0.80 |
| Isopropylbenzene | 16.2 | 16.3 | 63.9 | 34.4 | 46.2J | 10.5J | 20.7J | 37.1J | 46.6J | 41.4 J | 45.8 |
| p-Isopropyltoluene | <5 | 3.3J | 11.2 | 9.0J | <8.0 | 19.8J | 9.1J | 8.1J | <8.0 | 9.1 J | 8.4 |
| Naphthalene | <25 | <12.5 | 58 | 28.8J | 25.2J | <11.8 | 13.3J | 27.5J | 29.8J | 29.0 J | 35 |
| n-Propylbenzene | 22.6 | 23.3 | 104.0 | 55.2 | 60.4 | 22.9J | 46.1J | 63.9 | 90.4 | 71.6 | 72.8 |
| Toluene | <5 | <2.5 | <5.0 | <5.0 | <1.7 | <1.7 | 2.2J | <1.7 | <2.7 | <2.7 | <0.67 |
| Xylenes (total) | <15 | <7.5 | 47.1 | <15.0 | <15.0 | <15.0 | <15.0 | <15.0 | 23.1J | <15.0 | 5.9 J |

Metals, mg/L

| | | | | | | | | | | | |
|-----------|----------|------|----------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|
| Arsenic | 0.015J | ---- | 0.0176 | 0.0139J | 0.0075J | 0.0055J | 0.0115J | 0.02J | .0108J | 0.0096 J | <0.0083 |
| Barium | 0.198 | ---- | 0.242 | 0.264 | 0.183 | 0.187 | 0.242 | 0.232 | 0.155 | 0.194 | 0.198 |
| Cadmium | <0.0013 | ---- | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 |
| Cobalt | 0.0025J | ---- | 0.003J | 0.0033J | <0.0014 | <0.0014 | 0.0029J | <0.0014 | <0.0014 | 0.0015 J | 0.0017 J |
| Iron | 15.3 | ---- | 18.6 | 21.7 | 14.8 | 11.1 | 19.6 | 19.6 | 12.6 | 16.0 | 16.0 |
| Lead | <0.0043 | ---- | <0.0043 | <0.0043 | <0.0064 | <0.0064 | <0.0064 | <0.0059 | <0.0059 | <0.0059 | <0.0059 |
| Manganese | 1.04 | ---- | 1.28 | 1.39 | 1.08 | 1.32 | 1.18 | 1.14 | 0.801 | 1.05 | 1.01 |
| Mercury | <0.00013 | ---- | <0.00013 | <0.00013 | <0.000084 | <0.000084 | 0.00016J | <0.000084 | <0.000066 | <0.000066 | <0.000066 |
| Vanadium | <0.0022 | ---- | <0.0022 | <0.0022 | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | <0.0026 | <0.0026 |

Dissolved Gases, ug/L

| | | | | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| Ethane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

Natural Attenuation Parameters, mg/L

| | | | | | | | | | | | |
|-------------------------|--------|------|-------|-------|--------|--------|-------|--------|-------|--------|--------|
| Chloride | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Nitrate as N | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sulfate | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Total Alkalinity | 195 | ---- | 207 | 241 | ---- | ---- | 250 | ---- | 169 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | 5.3 | 6.3 | 5.2 | 1.6 | 5.7 | 4.4 | 2.5 | 4.5 | 4.5 |
| pH | 6.94 | ---- | 6.18 | 6.59 | 6.82 | 6.82 | 6.82 | 6.88 | ---- | 6.89 | 6.89 |
| Conductivity (mS/cm) | 323 | ---- | 0.285 | 0.433 | 0.400 | 0.400 | 0.352 | 0.533 | 0.262 | 0.333 | 0.333 |
| Temperature (C) | 9.59 | ---- | 12.12 | 9.76 | 11.4 | 11.4 | 8.95 | 10.00 | 10.22 | 12.09 | 12.09 |
| ORP (mV) | -101.6 | ---- | -59.1 | -84.7 | -124.7 | -124.7 | -107 | -125.7 | 42.9 | -290.3 | -290.3 |
| Dissolved Oxygen (mg/L) | 0.89 | ---- | 0.13 | 0.47 | 0.18 | 0.18 | 0.53 | 1.40 | 0.80 | 0.30 | 0.30 |

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

Table 1
5S
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 4/29/2021 | PAL | ES |
|---|------------------|------------|-----------|
| 1,2,4-Trimethylbenzene | 201 | 96 | 480 |
| 1,3,5-Trimethylbenzene | 13.3 | 96 | 480 |
| n-Butylbenzene | <0.86 | ----- | ----- |
| sec-Butylbenzene | 10.1 | ----- | ----- |
| tert-Butylbenzene | 11.9 | ----- | ----- |
| Acetone | <8.6 | 1800 | 9000 |
| Ethylbenzene | <0.33 | 140 | 700 |
| Isopropylbenzene | 18.8 | ----- | ----- |
| p-Isopropyltoluene | 3.1J | ----- | ----- |
| Naphthalene | 12 | 10 | 100 |
| n-Propylbenzene | 27.6 | ----- | ----- |
| Toluene | <0.29 | 160 | 800 |
| Xylenes (total) | 7.0 | 400 | 2,000 |

| Metals, mg/L | | | |
|---------------------|-----------|--------|-------|
| Arsenic | <0.0083 | 0.001 | 0.01 |
| Barium | 0.165 | 0.4 | 2 |
| Cadmium | <0.0013 | 0.0005 | 0.005 |
| Cobalt | <0.0014 | 0.008 | 0.04 |
| Iron | 13.3 | 0.15 | 0.3 |
| Lead | <0.0059 | 0.0015 | 0.015 |
| Manganese | 0.777 | 0.060 | 0.300 |
| Mercury | <0.000066 | 0.0002 | 0.002 |
| Vanadium | <0.0026 | 0.006 | 0.03 |

| Dissolved Gases, ug/L | | | |
|------------------------------|------|------|------|
| Ethane | ---- | ---- | ---- |
| Ethene | ---- | ---- | ---- |
| Methane | ---- | ---- | ---- |

| Natural Attenuation Parameters, mg/L | | | |
|---|--------|------|------|
| Chloride | ---- | 125 | 250 |
| Nitrate as N | ---- | 2 | 10 |
| Sulfate | ---- | 125 | 250 |
| Total Alkalinity | 173 | ---- | ---- |
| Total Organic Carbon | 3.1 | ---- | ---- |
| pH | 6.75 | ---- | ---- |
| Conductivity (mS/cm) | 0.381 | ---- | ---- |
| Temperature (C) | 5.41 | ---- | ---- |
| ORP (mV) | -108.7 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 1.64 | ---- | ---- |

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 | 4/27/21 | | | | | | | | | | | | PAL | ES | | |
|---|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|--|
| | 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 | 4/22/2019 | 7/29/2020 | 4/27/2021 | | | Dup | |
| 1,2,4-Trimethylbenzene | 6.4 | <0.20 | <0.22 | ---- | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.84 | <0.84 | <0.45 | <0.45 | 96 | 480 | |
| Acetone | ---- | ---- | ---- | 3.0 | <3.0 | 6.3 | <3.0 | <3.0 | <3.0 | 4.3J | <2.7 | <8.6 | <8.6 | 1800 | 9000 | |
| sec-Butylbenzene | 8.3 | 4.9 | <0.19 | ---- | <2.2 | <2.2 | 3.7 | 4.5J | <2.2 | 4.2J | <0.85 | <0.42 | <0.42 | ---- | ---- | |
| tert-Butylbenzene | 15 | 14 | 1.9 | ---- | 5.3 | 1.0 | 7.3 | 9.0J | 7.9 | 5.1 | 3.8 | 2.8 | 2.6 | ---- | ---- | |
| Chloroethane | <1.0 | <1.0 | <0.33 | <0.44 | <0.37 | 1.2 | <0.37 | <0.37 | <0.37 | <1.3 | <1.3 | <1.4 | <1.4 | 80 | 400 | |
| cis-1,2-Dichloroethene | 0.55 | <0.50 | <0.22 | <0.42 | 0.27 | 0.41 | 0.4 | <0.26 | 0.34J | <0.27 | <0.27 | <0.47 | <0.47 | 7 | 70 | |
| Isopropylbenzene | 3.7 | <0.20 | <0.21 | ---- | 0.14 | <0.14 | 1.5 | 0.23J | 0.33J | 3.0J | <1.7 | <1.0 | <1.0 | ---- | ---- | |
| Metals, mg/L | | | | | | | | | | | | | | | | |
| Arsenic | 0.00091 | 0.001 | 0.00093 | <0.0044 | <0.0072 | <0.0072 | <0.0072 | 0.0056J | <0.0054 | <0.0054 | <0.0083 | <0.0083 | <0.0083 | 0.001 | 0.01 | |
| Barium | 0.19 | 0.24 | 0.210 | 0.198 | 0.211 | 0.231 | 0.253 | 0.347 | 0.341 | 0.284 | 0.358 | 0.276 | 0.285 | 0.4 | 2 | |
| Cadmium | <0.00012 | <0.00061 | <0.00010 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <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 | 0.0019J | 0.003J | 0.0016J | 0.0017J | 0.008 | 0.04 | |
| Iron | 0.21 | 0.54 | 0.150 | 0.188 | 0.200 | 0.166 | 0.213 | 0.366 | 0.294 | 0.162 | 0.415 | 0.225 | 0.24 | 0.15 | 0.3 | |
| Lead | <0.00012 | 0.0014 | <0.00016 | <0.0012 | <0.0030 | <0.0030 | <0.0030 | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | <0.0059 | 0.0015 | 0.015 | |
| Magnesium | ---- | ---- | ---- | 19.7 | 21.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | |
| Manganese | 2.8 | 3.8 | 4.5 | 3.5 | 3.99 | 3.72 | 4.02 | 5.4 | 5.01 | 4.28 | 5.34 | 3.77 | 3.75 | 0.060 | 0.300 | |
| Mercury | <0.000065 | <0.000065 | <0.000070 | <0.00010 | <0.00010 | <0.00010 | <0.00018 | <0.00013 | <0.00013 | 0.00017J | <0.000066 | <0.000066 | <0.000066 | 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 | <0.0022 | <0.0026 | <0.0026 | <0.0026 | 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 | 270 | 273 | 237 | 238 | ---- | ---- | |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 3.1 | 4.0 | 3.8 | 3.2 | 3.4 | ---- | ---- | |
| pH | 7.13 | 6.9 | 7.67 | 6.99 | 7.05 | 7.13 | 7.34 | 6.91 | 6.61 | 7.08 | 6.52 | 7.23 | 7.23 | ---- | ---- | |
| Conductivity (mS/cm) | 579 | 490 | 420 | 0.275 | 0.364 | 0.391 | 0.385 | 0.452 | 0.557 | 0.342 | 0.365 | 0.423 | 0.423 | ---- | ---- | |
| Temperature (C) | 7.4 | 8.4 | 11.7 | 7.42 | 8.41 | 9.81 | 8.70 | 8.50 | 9.30 | 7.44 | 9.09 | 9.20 | 9.20 | ---- | ---- | |
| ORP (mV) | +110 | +110 | 97.1 | 2.7 | -23.7 | -10.2 | -8.5 | 12.7 | -1.8 | -56.6 | 17.1 | -9.7 | -9.7 | ---- | ---- | |
| Dissolved Oxygen (mg/L) | 2.0 | 2.5 | 4.0 | 0.3 | 0.65 | 0.22 | 0.22 | 0.70 | 0.37 | 0.70 | ---- | 1.43 | 1.43 | ---- | ---- | |

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 | 4/23/2019 | 7/29/2020 | 4/27/2021 | PAL | ES |
|---|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|
| Acetone | ---- | ---- | ---- | ---- | ---- | <2.6 | <3.0 | 15.7 | <3.0 | <3.0 | <3 | <3.0 | 3.3J | 3.3J | <8.6 | 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 | 1.3J | <0.85 | <0.42 | ---- | ---- |
| tert-Butylbenzene | <0.20 | <0.20 | 5.8 | 2.3 | <0.24 | ---- | <0.18 | <0.18 | <0.18 | <0.18 | <0.18 | <0.18 | 1.9 | 4.5 | 0.67J | ---- | ---- |
| Chloroethane | ---- | ---- | 1.2 | 1.1 | <0.33 | <0.44 | ---- | ---- | ---- | ---- | ---- | <0.37 | <1.3 | <1.3 | <1.4 | 80 | 400 |
| Chloromethane | ---- | ---- | <0.30 | <0.30 | <0.24 | <0.39 | <0.50 | 0.65 | <0.50 | <0.50 | <0.50 | <0.50 | 3.2J | <2.2 | <1.6 | 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 | 0.42J | <1.7 | <1.0 | ---- | ---- |
| 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 | <1.2 | <1.2 | <1.1 | 10 | 100 |
| Vinyl chloride | ---- | ---- | <0.20 | <0.20 | 0.28 | <0.18 | ---- | ---- | ---- | ---- | ---- | <0.18 | <0.17 | <0.17 | <0.17 | 0.02 | 0.02 |
| 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 | <0.0054 | <0.0083 | <0.0083 | 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 | 1.79 | 2.41 | 1.67 | 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 | <0.0013 | <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 | 0.0015J | 0.0027J | 0.0023J | 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 | 0.0368J | 0.0543J | 0.0743 | 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 | <0.0064 | <0.0059 | <0.0059 | 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 | 3.19 | 3.96 | 2.81 | 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 | 0.00016J | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | ---- | ---- | ---- | 1.27 | 0.811 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | 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 | <0.0022 | <0.0026 | <0.0026 | 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 | 208 | 272 | 202 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2.8 | 2.7 | 3.1 | 2.7 | ---- | ---- |
| 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 | 7.54 | 6.79 | 7.35 | ---- | ---- |
| Conductivity (mS/cm) | 551 | 460 | 570 | 476 | 290 | 0.39 | 0.291 | 0.314 | 0.234 | 0.244 | 0.239 | 0.271 | 0.316 | 0.365 | 0.363 | ---- | ---- |
| 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 | 10.03 | 10.64 | 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 | -144.4 | 17.9 | -12.7 | ---- | ---- |
| 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 | 0.40 | ---- | 0.99 | ---- | ---- |

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

Table 1
7M
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 4/18/2012 | 6/14/2012 | 5/16/2013 | 4/29/2014 | 10/13/2015 | 4/25/2016 | 4/19/2017 | 4/23/2018 | 4/22/2019 | 7/27/2020 | 4/26/2021 | 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 | 0.0087J | <0.0054 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.190 | ---- | 0.366 | 0.284 | 0.376 | 0.341 | 0.272 | 0.34 | 0.314 | 0.281 | 0.278 | 0.4 | 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 | ---- | ---- | 68.6 | 56.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Cobalt | <0.00013 | ---- | <0.00085 | <0.00094 | <0.00094 | <0.00094 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | 0.450 | ---- | 2.36 | 1.86 | 2.18 | 2.16 | 1.7 | 2.39 | 2.2 | 1.87 | 2.01 | 0.15 | 0.3 |
| Lead | <0.00016 | ---- | <0.0012 | <0.0030 | <0.0030 | <0.0030 | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | ---- | 17.2 | 14.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | 0.260 | ---- | 0.777 | 0.631 | 0.810 | 0.766 | 0.634 | 0.778 | 0.753 | 0.670 | 0.668 | 0.060 | 0.300 |
| Mercury | <0.00070 | ---- | <0.0001 | <0.00010 | <0.00010 | <0.00018 | <0.00013 | <0.00013 | 0.00014J | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | 1.38 | 1.08 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | 5.82 | 4.05 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Vanadium | <0.00034 | ---- | <0.0012 | <0.0020 | 0.0025 | <0.0020 | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | 0.006 | 0.03 |
| Dissolved Gases, ug/L | | | | | | | | | | | | | |
| Ethane | <0.49 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | 0.66 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | 3.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Natural Attenuation Parameters, mg/L | | | | | | | | | | | | | |
| Chloride | 2.0 | ---- | 5.0 | 7.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Nitrate as N | 2.7 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2 | 10 |
| Sulfate | 2.0 | ---- | 7.4 | 8.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Total Alkalinity | 30 | ---- | 209 | 205 | 223 | 220 | 211 | 195 | 205 | 207 | 212 | --- | --- |
| Total Organic Carbon | 2.8 | ---- | ---- | ---- | ---- | ---- | ---- | 1.4 | 1.4 | 1.5 | 1.4 | --- | --- |
| pH | 8.33 | ---- | 7.16 | 7.82 | 7.64 | 7.85 | 7.69 | 7.38 | 7.69 | 5.84 | 7.64 | --- | --- |
| Conductivity (mS/cm) | 290 | ---- | 0.316 | 0.321 | 0.399 | 0.347 | 0.315 | 0.468 | 0.359 | 0.295 | 0.376 | --- | --- |
| Temperature (C) | 13.7 | ---- | 10.49 | 10.09 | 10.05 | 10.85 | 9.89 | 10.61 | 10.34 | 10.81 | 10.38 | --- | --- |
| ORP (mV) | 37.3 | ---- | -122.4 | -182.5 | -129.3 | -152.7 | -135.1 | -146.2 | -182.2 | -76.4 | -148.7 | --- | --- |
| Dissolved Oxygen (mg/L) | 5.5 | ---- | 0.28 | 0.75 | 0.54 | 0.11 | 0.91 | 0.44 | 2.13 | 0.87 | 2.25 | --- | --- |

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 | 4/22/2019 | 7/29/2020 | 4/26/2021 | PAL | ES |
|---|-------------|-------------------|--------------|-------------------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------|-------|
| Acetone | ---- | ---- | ---- | ---- | ---- | <2.6 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | 4.5J | <2.7 | <8.6 | 1800 | 9000 |
| sec-Butylbenzene | ---- | ---- | <0.25 | 0.66 | <0.19 | ---- | ---- | ---- | ---- | ---- | <2.2 | <2.2 | <0.85 | <0.85 | <0.42 | ---- | ---- |
| tert-Butylbenzene | ---- | ---- | <0.20 | 0.24 | <0.24 | ---- | <0.18 | <0.18 | <0.18 | <0.18 | <0.18 | <0.18 | <0.30 | <0.30 | <0.59 | ---- | ---- |
| Metals, mg/L | | | | | | | | | | | | | | | | | |
| Arsenic | 0.00036 | ---- | <0.00061 | ---- | 0.00043 | <0.0044 | <0.0072 | <0.0072 | <0.0072 | <0.0054 | <0.0054 | <0.0054 | <0.0054 | <0.0083 | <0.0083 | 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 | 0.027 | 0.0313 | 0.032 | 0.4 | 2 |
| Cadmium | <0.00012 | ---- | <0.00061 | ---- | <0.00010 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <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 | <0.0014 | <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 | <0.0354 | 0.0435J | <0.0567 | 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 | <0.0064 | <0.0059 | <0.0059 | 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 | 0.204 | 0.153 | 0.129 | 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 | 0.00015J | <0.000066 | <0.000066 | 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 | <0.0022 | <0.0026 | <0.0026 | 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 | 223 | 215 | 249 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 1.3 | 1.4 | 1.5 | 1.3 | 1.3 | ---- | ---- |
| pH | 7.29 | ---- | 7.1 | ---- | 8.15 | 7.24 | 7.25 | 7.27 | 7.43 | 7.26 | 6.83 | 6.83 | 7.27 | 5.77 | 7.27 | ---- | ---- |
| Conductivity (mS/cm) | 493 | ---- | 410 | ---- | 350 | 0.223 | 0.309 | 0.385 | 0.321 | 0.322 | 0.360 | 0.360 | 0.325 | 0.304 | 0.441 | ---- | ---- |
| Temperature (C) | 7.5 | ---- | 8.6 | ---- | 13.6 | 8.85 | 8.23 | 12.18 | 9.07 | 8.78 | 9.02 | 9.02 | 8.2 | 11.06 | 8.69 | ---- | ---- |
| ORP (mV) | +15 | ---- | -3 | ---- | -13.8 | 36 | 124.6 | -23.0 | 39.9 | 41.0 | 78.3 | 78.3 | -18.9 | 12.6 | -40.5 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 5 | ---- | 4.0 | ---- | 5.5 | 7.1 | 8.26 | 2.50 | 3.88 | 6.04 | 4.28 | 4.28 | 5.82 | 4.57 | 4.18 | ---- | ---- |

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

Table 1
8M
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatiles 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 | 4/22/2019 | 7/29/2020 | 4/26/2021 | 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 | <0.84 | <0.84 | <0.45 | 96 | 480 |
| 1,3,5-Trimethylbenzene | <0.20 | <0.20 | <0.20 | <0.20 | <0.23 | <2.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.87 | <0.87 | <0.36 | 96 | 480 |
| sec-Butylbenzene | <0.25 | <0.25 | 0.43 | 1.3 | <0.19 | ---- | <2.2 | 20.7 | <2.2 | <2.2 | <2.2 | <0.85 | <0.85 | 2.1 | ---- | ---- |
| tert-Butylbenzene | <0.20 | <0.20 | <0.20 | 0.34 | <0.24 | ---- | <0.18 | 2.6 | 0.57 | <0.18 | <0.18 | <0.30 | <0.30 | <0.59 | ---- | ---- |
| Chloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <0.33 | <0.44 | <0.37 | <0.37 | <0.37 | 0.38J | <0.37 | <1.3 | <1.3 | <1.4 | 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 | <0.27 | <0.27 | <0.47 | 7 | 70 |
| Isopropylbenzene | <0.20 | <0.20 | <0.20 | <0.20 | <0.21 | ---- | <0.12 | 12.4 | <0.14 | <0.14 | <0.14 | <0.39 | <1.7 | <1.0 | ---- | ---- |
| Trichloroethene | 0.26 | <0.20 | <0.20 | <0.20 | <0.18 | <0.43 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.26 | <0.26 | <0.32 | 0.5 | 5 |
| n-Propylbenzene | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 4.2 | <0.50 | <0.50 | <0.5 | <0.81 | <0.81 | <0.35 | ---- | ---- |
| 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 | 0.0115J | <0.0083 | <0.0083 | 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 | 0.497 | 0.596 | 0.763 | 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 | <0.0013 | <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 | <0.0014 | <0.0014 | <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 | 0.172 | 0.188 | 0.264 | 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 | <0.0064 | <0.0059 | <0.0059 | 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 | 2.27 | 2.58 | 3.08 | 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 | <0.000084 | <0.000066 | <0.000066 | 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 | <0.0022 | <0.0026 | <0.0026 | 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 | 153 | 178 | 251 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2 | 2.3 | 2.3 | 2.3 | ---- | ---- |
| pH | 7.25 | 6.83 | 7.0 | 7.87 | 8.02 | 7.32 | 7.48 | 7.33 | 7.55 | 7.37 | 7.17 | 7.58 | 5.92 | ---- | ---- | ---- |
| Conductivity (mS/cm) | 557 | 390 | 110 | 443 | 410 | 0.44 | 0.313 | 0.540 | 0.389 | 0.363 | 0.360 | 0.268 | 0.260 | 0.425 | ---- | ---- |
| Temperature (C) | 8.2 | 11.2 | 10.0 | -10.9 | 12.7 | 10.8 | 10.67 | 10.09 | 10.43 | 10.04 | 10.67 | 10.27 | 10.59 | 10.28 | ---- | ---- |
| ORP (mV) | -30 | -37 | -40 | -134.4 | -57.8 | -62.5 | -107.4 | -51.9 | -60.2 | -50.1 | -48.4 | -98.2 | 12.1 | 136.6 | ---- | ---- |
| 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 | 0.37 | 0.14 | 1.69 | ---- | ---- |

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

Table 1
9M
Summary of Detected Compounds
Onalaska Superfund Landfill

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

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

Table 1
10M
Summary of Detected Compounds
Onalaska Superfund Landfill

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

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

Table 1
11M
Summary of Detected Compounds
Onalaska Superfund Landfill

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

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

Table 1
12S
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 10/13/2015 | 4/25/2016 | 4/19/2017 | 4/23/2018 | 4/24/2019 | 7/27/2020 | 4/26/2021 | PAL | ES |
|---|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|-----------|
| Metals, mg/L | | | | | | | | | |
| Arsenic | <0.0072 | <0.0072 | <0.0054 | <0.0054 | <0.0054 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.0206 | 0.0199 | 0.0169 | 0.0186 | 0.0194 | 0.0188 | 0.0185 | 0.4 | 2 |
| Cadmium | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Cobalt | <0.00094 | <0.00094 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | <0.0129 | <0.0129 | <0.0155 | <0.0155 | <0.0354 | <0.0352 | <0.0567 | 0.15 | 0.3 |
| Lead | <0.0030 | <0.0030 | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Manganese | <0.0014 | <0.0014 | <0.0011 | <0.0011 | <0.0011 | <0.0015 | <0.0015 | 0.060 | 0.300 |
| Mercury | <0.00010 | <0.00018 | <0.00013 | <0.00013 | <0.000084 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Vanadium | <0.0020 | <0.0020 | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | 0.006 | 0.03 |
| Dissolved Gases, ug/L | | | | | | | | | |
| Ethane | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ethene | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Methane | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Natural Attenuation Parameters, mg/L | | | | | | | | | |
| Chloride | --- | --- | --- | --- | --- | --- | --- | 125 | 250 |
| Nitrate as N | --- | --- | --- | --- | --- | --- | --- | 2 | 10 |
| Sulfate | --- | --- | --- | --- | --- | --- | --- | 125 | 250 |
| Total Alkalinity | 210 | 192 | 199 | 206 | 189 | 198 | 225 | --- | --- |
| Total Organic Carbon | --- | --- | --- | 0.64J | 0.96 | 0.76 | 0.75 | --- | --- |
| pH | 7.32 | 7.54 | 7.24 | 7.10 | 7.25 | --- | 7.36 | --- | --- |
| Conductivity (mS/cm) | 0.351 | 0.358 | 0.303 | 0.381 | 0.294 | 0.286 | 0.39 | --- | --- |
| Temperature (C) | 11.81 | 9.21 | 8.89 | 9.24 | 8.28 | 10.77 | 8.89 | --- | --- |
| ORP (mV) | -8.9 | 30.4 | 48.4 | 70.5 | -25.0 | 272.1 | -18.5 | --- | --- |
| Dissolved Oxygen (mg/L) | 5.64 | 4.32 | 6.29 | 6.01 | 4.2 | 3.93 | 5.76 | --- | --- |

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 | 4/25/18 | | | | | | | | | | | | | PAL | ES | |
|---|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|--------|-------|--|
| | 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 | DUP | 4/24/2019 | 7/30/2020 | 4/29/2021 | | | |
| 1,2,4-Trimethylbenzene | 0.81 | 1.9 | 1.3 | 3.3 | 1.8 | 5.3 | 6.5 | 7.1 | 4.1 | 3.7 | 4.2 | 6 | 7.3 | 96 | 480 | |
| 1,3,5-Trimethylbenzene | 0.21 | 0.49 | <0.23 | ---- | 0.52 | 1.3 | 1.3 | 1.2 | 0.95J | 0.82J | <0.87 | 1.0J | 1.1 | 96 | 480 | |
| Acetone | ---- | ---- | ---- | 3.2 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | 3.1J | <2.7 | <8.6 | 1800 | 9000 | |
| n-Butylbenzene | 1.0 | 1.8 | <0.21 | ---- | 1.5 | 3.5 | <0.50 | <0.50 | 2.6 | <0.50 | 2.3J | 2.6 | 2.4 | ---- | ---- | |
| sec-Butylbenzene | 0.46 | 1.1 | 0.60 | ---- | <2.2 | <2.2 | <2.2 | <2.2 | <2.2 | <2.2 | 1.3J | 1.4J | 1.5 | ---- | ---- | |
| tert-Butylbenzene | ---- | ---- | ---- | ---- | <0.18 | 0.21 | 0.21 | 0.19J | <0.18 | <0.18 | <0.30 | <0.30 | <0.59 | ---- | ---- | |
| Ethylbenzene | <0.50 | 0.52 | 0.25 | 0.65 | <0.50 | 1.1 | 1.2 | 0.76J | 0.67J | 0.56J | 0.60J | 0.58J | 0.74J | 140 | 700 | |
| Isopropylbenzene | 0.46 | 1.1 | 0.58 | ---- | 0.72 | 1.9 | 2.2 | 1.9 | 1.3 | 1.3 | 2.6J | <1.7 | 1.8J | ---- | ---- | |
| p-Isopropyltoluene | ---- | 0.57 | <0.24 | ---- | <0.13 | 0.58 | <0.50 | 3.1 | <0.5 | <0.5 | <0.80 | <0.80 | <1.0 | ---- | ---- | |
| Naphthalene | 3.1 | 11 | 8.9 | 16.3 | 10.7 | 31.2 | 31.1 | 31.2 | 21.6 | 19.7 | 22.6 | 25.3 | 24.3 | 10 | 100 | |
| n-Propylbenzene | ---- | 1.3 | 0.69 | ---- | 1.2 | 2.9 | 3.0 | 2.6 | 1.9 | 1.8 | 1.7J | 1.9J | 2.3 | ---- | ---- | |
| Xylenes (total) | <0.50 | 1.6 | 0.85 | 1.7 | <1.5 | 3.1 | 3.5 | 3.1 | 2.1J | 1.9J | 1.7J | 1.9J | 2.4J | 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 | <0.0054 | <0.0083 | <0.0083 | 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 | 0.0764 | 0.1080 | 0.0888 | 0.4 | 2 | |
| Cadmium | <0.00012 | <0.00061 | <0.00010 | 0.00044 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <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 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 | |
| Iron | 4.1 | 17 | 2.3 | 7.27 | 9.85 | 12.1 | 7.4 | 6.73 | 5.13 | 5.20 | 4.34 | 5.12 | 4.46 | 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 | <0.0064 | <0.0059 | <0.0059 | 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 | 0.612 | 0.833 | 0.646 | 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 | <0.000084 | <0.000066 | <0.000066 | 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 | <0.0022 | <0.0022 | <0.0026 | 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 | 147 | 199 | 183 | ---- | ---- | |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 3 | 3 | 3.4 | 3.9 | 2.9 | ---- | ---- | |
| pH | 7.19 | 7.2 | 8.09 | 6.36 | 7.05 | 6.68 | 7.22 | 6.85 | 6.48 | 6.48 | 6.80 | 6.28 | 6.65 | ---- | ---- | |
| Conductivity (mS/cm) | 239 | 380 | 280 | 0.237 | 0.234 | 0.386 | 0.254 | 0.266 | 0.288 | 0.288 | 0.199 | 0.274 | 0.366 | ---- | ---- | |
| Temperature (C) | 5.7 | 9.8 | 9.1 | 7.61 | 7.45 | 10.85 | 8.02 | 7.78 | 7.71 | 7.71 | 6.95 | 10.64 | 4.14 | ---- | ---- | |
| ORP (mV) | -19 | -73 | -93.6 | -12.3 | -60.4 | -46.9 | -61.7 | -55.4 | -48.0 | -48.0 | -84.2 | 7.4 | -79.1 | ---- | ---- | |
| Dissolved Oxygen (mg/L) | 3.0 | 2.0 | 2.0 | 3.4 | 11.09 | 0.55 | 0.43 | 0.87 | 1.30 | 1.30 | 1.36 | 0.21 | 1.75 | ---- | ---- | |

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 | Duplicate | | | | | | | | |
|---|-----------|-----------|-------------|-----------|-----------|-----------|------------|-----------|-----------|
| | 4/14/2009 | 4/28/2010 | 4/18/2012 | 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 | 4/22/2019 | 7/29/2020 | 4/26/2021 | PAL | ES |
|---|------------------|------------------|------------------|------------------|------------|-----------|
| 1,2,4-Trimethylbenzene | ---- | ---- | ---- | ---- | 96 | 480 |
| sec-Butylbenzene | ---- | ---- | ---- | ---- | ---- | ---- |
| tert-Butylbenzene | ---- | ---- | ---- | ---- | ---- | ---- |
| Vinyl chloride | ---- | ---- | ---- | ---- | 0.02 | 0.2 |

| Metals, mg/L | 4/23/2018 | 4/22/2019 | 7/29/2020 | 4/26/2021 | PAL | ES |
|---------------------|------------------|------------------|------------------|------------------|------------|-----------|
| Arsenic | <0.0054 | 0.0077J | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.595 | 0.533 | 0.900 | 0.467 | 0.4 | 2 |
| Cadmium | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Calcium | ---- | ---- | ---- | ---- | ---- | ---- |
| Cobalt | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | 0.299 | 0.216 | 0.46 | 0.376 | 0.15 | 0.3 |
| Lead | <0.0043 | <0.0064 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | 2.27 | 2.00 | 3.33 | 1.81 | 0.060 | 0.300 |
| Mercury | <0.00013 | <0.000084 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- |
| Vanadium | <0.0022 | <0.0022 | <0.0026 | <0.0026 | 0.006 | 0.03 |

| Dissolved Gases, ug/L | 4/23/2018 | 4/22/2019 | 7/29/2020 | 4/26/2021 | PAL | ES |
|------------------------------|------------------|------------------|------------------|------------------|------------|-----------|
| Ethane | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | ---- | ---- | ---- | ---- | ---- | ---- |

| Natural Attenuation Parameters, mg/L | 4/23/2018 | 4/22/2019 | 7/29/2020 | 4/26/2021 | PAL | ES |
|---|------------------|------------------|------------------|------------------|------------|-----------|
| Chloride | ---- | ---- | ---- | ---- | 125 | 250 |
| Nitrate as N | ---- | ---- | ---- | ---- | 2 | 10 |
| Sulfate | ---- | ---- | ---- | ---- | 125 | 250 |
| Total Alkalinity | 148 | 148 | 248 | 133 | ---- | ---- |
| Total Organic Carbon | 2.5 | 2.8 | 3.8 | 2.8 | ---- | ---- |
| pH | 7.30 | 7.67 | 7.43 | 7.54 | ---- | ---- |
| Conductivity (mS/cm) | 0.345 | 0.244 | 0.356 | 0.248 | ---- | ---- |
| Temperature (C) | 10.85 | 10.38 | 11.24 | 10.44 | ---- | ---- |
| ORP (mV) | -77.5 | -177.5 | 20.0 | -90.2 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 0.27 | 0.29 | 0.08 | 2.05 | ---- | ---- |

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 | | | | | | | | Duplicate | | | |
|--|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------|--|
| | 4/14/2009 | 10/28/2009 | 4/28/2010 | 10/28/2010 | 10/27/2011 | 4/19/2012 | 4/19/2012 | 5/17/2013 | 4/28/2014 | 10/13/2015 | |
| 1,2,4-Trimethylbenzene | 100 | 190 | 140 | 71 | 64 | 4.5 | 2.9 | <1.1 | <0.50 | <0.50 | |
| 1,3,5-Trimethylbenzene | 20 | 110 | <0.40 | 33 | <0.20 | <0.23 | <0.23 | <5.0 | <0.50 | <0.50 | |
| n-Butylbenzene | 5.7 | 17 | 5.3 | 12 | 9.2 | 2.2 | <0.21 | ---- | 2.0 | 16.1 | |
| sec-Butylbenzene | 8.7 | 37 | 15 | 26 | 19 | 5.5 | 4.2 | ---- | 5.1 | 38.6 | |
| tert-Butylbenzene | 5.9 | 30 | 13 | 23 | 16 | 3.7 | 2.8 | ---- | 3.4 | 25.9 | |
| Acetone | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <5.2 | <3.0 | <3.0 | |
| Benzene | <0.40 | <0.20 | <0.40 | <0.40 | <0.20 | <0.12 | <0.12 | <1.0 | <0.50 | <0.50 | |
| Ethylbenzene | 4.1 | 4.4 | 17 | 8.9 | 1.4 | 0.51 | 0.25 | 1.6 | <0.50 | 0.63 | |
| Isopropylbenzene | 18 | 64 | 43 | 60 | 41 | 8.4 | 6.3 | ---- | 12.1 | 42.6 | |
| p-Isopropyltoluene | 2.1 | 34 | 8.8 | 12 | 12 | 0.69 | <0.24 | ---- | 1.3 | 5.6 | |
| Naphthalene | 15 | 33 | 38 | 60 | 16 | 8.6 | 6.3 | 11.2 | 8.7 | 29.2 | |
| n-Propylbenzene | 32 | 140 | 74 | 110 | 87 | 17 | 13 | ---- | 22.8 | 94.7 | |
| Xylenes (total) | 7.8 | 7.9 | 22 | 14 | <0.50 | 0.43 | <0.30 | <2.6 | <1.5 | <1.5 | |

Metals, mg/L

| | | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|----------|----------|----------|
| Arsenic | 0.0029 | 0.015 | 0.0073 | 0.011 | 0.011 | 0.0028 | ---- | 0.0068 | <0.0072 | 0.0080 |
| Barium | 0.22 | 0.22 | 0.270 | 0.190 | 0.200 | 0.2200 | ---- | 0.168 | 0.104 | 0.231 |
| Cadmium | <0.00012 | <0.00061 | <0.00061 | 0.00013 | <0.0012 | <0.00010 | ---- | <0.00038 | <0.00060 | <0.00060 |
| Calcium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 92.2 | 56.4 | ---- |
| Cobalt | 0.0017 | 0.0015 | 0.0014 | 0.0021 | 0.00095 | 0.0018 | ---- | 0.0018 | 0.0024 | <0.00094 |
| Iron | 6.8 | 21 | 25 | 19 | 14 | 5.7 | ---- | 7.14 | 2.47 | 25.6 |
| Lead | <0.00012 | <0.00061 | <0.00061 | <0.00061 | <0.00013 | <0.00016 | ---- | <0.0012 | <0.0030 | <0.0030 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 33.5 | 21.1 | ---- |
| Manganese | 2.9 | 2.8 | 3.4 | 4.2 | 2.7 | 1.8 | ---- | 1.32 | 0.684 | 3.36 |
| Mercury | <0.000065 | <0.000065 | <0.000065 | <0.000065 | <0.000070 | <0.000070 | ---- | <0.00010 | <0.00010 | <0.00010 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 3.17 | 2.02 | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 16.7 | 12.8 | ---- |
| Vanadium | 0.00028 | 0.00073 | 0.00066 | 0.00072 | <0.00066 | <0.00034 | ---- | 0.0019 | <0.0020 | 0.0116 |

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 | 379 |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

| | | | | | | | | | | |
|-------------------------|------|------|------|--------|------|-------|------|-------|-------|-------|
| pH | 6.71 | 6.68 | 6.8 | 6.88 | 7.58 | 7.43 | ---- | 6.32 | 6.86 | 6.61 |
| Conductivity (mS/cm) | 603 | 660 | 730 | 324 | 400 | 570 | ---- | 0.462 | 0.364 | 0.654 |
| Temperature (C) | 7.3 | 12.2 | 8.8 | -9.17 | 11.8 | 8.8 | ---- | 7.59 | 7.62 | 12.64 |
| ORP (mV) | +300 | -41 | +133 | -213.6 | -197 | 151.7 | ---- | 3.7 | -19.9 | -67.2 |
| Dissolved Oxygen (mg/L) | 4.0 | 4.0 | 4.0 | 0.5 | 1.0 | 5.0 | ---- | 1.4 | 6.32 | 0.42 |

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

Table 1
16S
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 4/25/2016 | 4/19/2017 | Duplicate 4/19/2017 | 4/25/2018 | 4/24/2019 | Duplicate 4/24/19 | 7/29/2020 | 4/30/2021 | Duplicate 4/30/21 | PAL | ES |
|--|-----------|-----------|---------------------|-----------|-----------|-------------------|-----------|-----------|-------------------|------|-------|
| 1,2,4-Trimethylbenzene | 1.0 | <0.50 | <0.50 | <0.50 | <0.84 | <0.84 | <0.84 | <0.45 | <0.45 | 96 | 480 |
| 1,3,5-Trimethylbenzene | <0.50 | <0.50 | <0.50 | <0.50 | <0.87 | <0.87 | <0.87 | <0.36 | <0.36 | 96 | 480 |
| n-Butylbenzene | 1.6 | 0.65J | 0.63J | <0.5 | 9.2 | 10.4 | 9.0 | 6.2 | 5.5 | ---- | ---- |
| sec-Butylbenzene | 11 | <2.2 | <2.2 | <2.2 | 18.5 | 20.3 | 18.6 | 14.1 | 12.5 | ---- | ---- |
| tert-Butylbenzene | 7.7 | 1.1 | 1.1 | <0.18 | 15.0 | 14.1 | 11.3 | 9.7 | 8.7 | ---- | ---- |
| Acetone | <3.0 | <3.0 | <0.30 | <3.0 | <2.7 | 6.4J | <2.7 | <8.6 | <8.6 | 1800 | 9000 |
| Benzene | <0.50 | <0.50 | <0.50 | <0.5 | <0.25 | <0.25 | <0.25 | <0.30 | <0.30 | 0.5 | 5 |
| Ethylbenzene | <0.50 | <0.50 | <0.50 | <0.50 | 0.23J | <0.22 | <0.32 | <0.33 | <0.33 | 140 | 700 |
| Isopropylbenzene | 18.9 | 3.6 | 3.5 | <0.14 | 35.8 | 37.6 | 27.1 | 24.7 | 22.3 | ---- | ---- |
| p-Isopropyltoluene | 1.8 | <0.50 | <0.50 | <0.5 | 0.98J | <0.80 | 0.96J | <1.0 | <1.0 | ---- | ---- |
| Naphthalene | 9.4 | <2.5 | <2.5 | <2.5 | 28.7 | 24.9 | 19.2 | 21.3 | 17.8 | 10 | 100 |
| n-Propylbenzene | 35.8 | 7.1 | 7.1 | <0.5 | 78.0 | 83.3 | 57.0 | 46.0 | 40.3 | ---- | ---- |
| Xylenes (total) | <1.5 | <1.5 | <1.5 | <1.5 | <1.5 | <1.5 | <1.5 | <1.0 | <1.0 | 400 | 2,000 |

Metals, mg/L

| | | | | | | | | | | | |
|-----------|----------|----------|------|----------|-----------|-----------|-----------|-----------|-----------|--------|-------|
| Arsenic | <0.0072 | <0.0054 | ---- | 0.0107J | 0.0058J | 0.0187J | <0.0083 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.179 | 0.131 | ---- | 0.184 | 0.129 | 0.127 | 0.161 | 0.190 | 0.196 | 0.4 | 2 |
| Cadmium | <0.00060 | <0.0013 | ---- | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Calcium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Cobalt | 0.0025 | <0.0014 | ---- | 0.0016J | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | 5.57 | 0.305 | ---- | 19.3 | 13.7 | 12.4 | 11.4 | 14.8 | 15.9 | 0.15 | 0.3 |
| Lead | <0.0030 | <0.0043 | ---- | <0.0043 | <0.0064 | <0.0064 | <0.0059 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | 1.33 | 0.224 | ---- | 1.69 | 1.11 | 1.05 | 1.39 | 1.74 | 1.82 | 0.060 | 0.300 |
| Mercury | <0.00018 | <0.00013 | ---- | <0.00013 | <0.000084 | <0.000084 | <0.000066 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Vanadium | <0.0020 | <0.0022 | ---- | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | <0.0026 | 0.006 | 0.03 |

Natural Attenuation Parameters, mg/L

| | | | | | | | | | | | |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|
| Chloride | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Nitrate as N | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2 | 10 |
| Sulfate | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Total Alkalinity | 431 | 396 | ---- | 300 | 296 | 290 | 372 | 385 | 386 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | ---- | 3.6 | 3.3 | 3.6 | 3.3 | 3.5 | 3.6 | ---- | ---- |

| | | | | | | | | | | | |
|-------------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|------|
| pH | 6.90 | 6.71 | ---- | 6.29 | 6.74 | 6.74 | 6.18 | 6.38 | 6.38 | ---- | ---- |
| Conductivity (mS/cm) | 0.562 | 0.507 | ---- | 0.519 | 0.385 | 0.385 | 0.525 | 0.772 | 0.772 | ---- | ---- |
| Temperature (C) | 8.65 | 8.07 | ---- | 7.66 | 7.63 | 7.63 | 12.73 | 4.97 | 4.97 | ---- | ---- |
| ORP (mV) | -41.9 | 6.0 | ---- | -39.0 | -80.6 | -80.6 | 8.0 | -61.9 | -61.9 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 0.71 | 1.11 | ---- | 0.79 | 1.22 | 1.22 | 0.11 | 1.37 | 1.37 | ---- | ---- |

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 | Duplicate | | | Duplicate | | | | | | | | |
|---|-----------|------------|----------|-----------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|
| | 4/14/2009 | 10/28/2009 | 10/28/09 | 4/28/2010 | 10/28/2010 | 10/28/2010 | 4/19/2012 | 5/17/2013 | 4/28/2014 | 10/13/2015 | 4/25/2016 | 10/3/2016 |
| 1,4-Dichlorobenzene | <0.50 | <0.50 | <0.50 | <0.50 | 0.53 | 0.50 | <0.24 | <0.43 | <0.50 | 0.58 | <0.50 | ---- |
| 1,2,4-Trimethylbenzene | 3.4 | 190 | 160 | 8.9 | 25 | 25 | <0.22 | 2.9 | 2.3 | <0.50 | 1.5 | ---- |
| 1,3,5-Trimethylbenzene | 0.78 | 36 | 35 | <0.20 | 4.1 | 4.3 | <0.23 | <2.5 | <0.50 | <0.50 | <0.50 | ---- |
| Acetone | ---- | ---- | ---- | ---- | ---- | ---- | ---- | <2.6 | <0.30 | <3.0 | <3.0 | ---- |
| Benzene | 0.34 | 0.86 | 0.86 | 1.1 | 1.6 | 1.6 | <0.12 | 0.85 | 0.65 | 1.2 | 0.80 | ---- |
| n-Butylbenzene | <0.20 | 3.6 | <0.20 | <0.20 | 3.2 | 3.4 | <0.21 | ---- | <0.22 | 1.1 | <0.50 | ---- |
| sec-Butylbenzene | 0.41 | 15 | 15 | 1.3 | 7.5 | 7.7 | <0.19 | ---- | <2.2 | 5 | <2.2 | ---- |
| tert-Butylbenzene | 0.24 | 12 | 11 | 2.1 | 4.9 | 5.0 | <0.24 | ---- | 0.99 | 4.5 | 1.7 | ---- |
| Chlorobenzene | 1.9 | 1.6 | 1.6 | 1.8 | 2.4 | 2.4 | <0.24 | 2.4 | 2.9 | 3.8 | 2.7 | ---- |
| Chloroethane | <1.0 | <1.0 | <1.0 | 1.8 | 2.4 | 2.2 | <0.33 | <0.44 | 1.1 | 0.77 | <0.37 | ---- |
| cis-1,2-Dichloroethene | | | | <0.50 | <0.50 | <0.50 | <0.22 | <0.42 | <0.26 | 0.29 | <0.26 | ---- |
| Ethylbenzene | <0.50 | 1.2 | 1.1 | <0.50 | <0.50 | <0.50 | <0.14 | <0.50 | <0.50 | <0.50 | <0.50 | ---- |
| Isopropylbenzene | <0.20 | 24 | 24 | 7.7 | 19 | 19 | <0.21 | ---- | 1.6 | 16.2 | 7.5 | ---- |
| Naphthalene | <0.25 | 3.3 | 6.9 | 0.30 | 9.8 | 9.5 | <0.24 | <2.5 | <2.5 | <2.5 | <2.5 | ---- |
| n-Propylbenzene | ---- | 58 | 57 | 5.0 | 20 | 21 | <0.19 | ---- | <0.50 | 7.0 | 4.5 | ---- |
| p-Isopropyltoluene | ---- | 12 | 12 | <0.20 | 0.76 | 0.78 | <0.24 | ---- | <0.13 | <0.50 | <0.50 | ---- |
| Toluene | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.15 | <0.44 | <0.50 | <0.50 | <0.50 | ---- |
| Vinyl chloride | | | | <0.20 | <0.20 | <0.20 | <0.13 | <0.18 | ---- | ---- | ---- | ---- |
| Xylenes (total) | <0.50 | 5.1 | 5.0 | <0.50 | 2.5 | 2.6 | <0.30 | <1.3 | <1.5 | <1.5 | <1.5 | ---- |
| Metals, mg/L | | | | | | | | | | | | |
| Arsenic | 0.027 | 0.027 | ---- | 0.029 | 0.026 | ---- | 0.0042 | 0.0288 | 0.0261 | 0.0247 | 0.0253 | 0.0284 |
| Barium | 0.79 | 1.5 | ---- | 1.4 | 1.3 | ---- | 0.470 | 1.35 | 1.24 | 1.44 | 1.37 | 1.17 |
| Cadmium | <0.00012 | <0.00061 | ---- | <0.00061 | <0.00012 | ---- | <0.00010 | 0.00044 | <0.00060 | <0.00060 | <0.00060 | <0.00060 |
| Calcium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 61 | 55.0 | ---- | ---- | ---- |
| Cobalt | 0.0014 | 0.0023 | ---- | 0.0023 | 0.0027 | ---- | 0.0032 | 0.0015 | 0.0021 | 0.0023 | 0.0022 | 0.0014 |
| Iron | 17 | 29 | ---- | 25 | 20 | ---- | 1.8 | 23.4 | 20.3 | 21.1 | 21.5 | 18.2 |
| Lead | <0.00012 | 0.0012 | ---- | <0.00061 | <0.00061 | ---- | <0.00016 | <0.0012 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 17.4 | 14.1 | ---- | ---- | ---- |
| Manganese | 0.70 | 1.20 | ---- | 1.4 | 1.4 | ---- | 0.220 | 1.38 | 1.22 | 1.35 | 1.4 | 1.06 |
| Mercury | <0.000065 | <0.000065 | ---- | <0.000065 | <0.000065 | ---- | <0.000070 | <0.00010 | <0.00010 | <0.00010 | <0.00018 | <0.00013 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 4.64 | 4.07 | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 19.7 | 17.3 | ---- | ---- | ---- |
| Vanadium | 0.00078 | <0.00061 | ---- | <0.00061 | 0.00064 | ---- | <0.00034 | 0.0021 | <0.0020 | 0.0049 | <0.0020 | <0.0020 |
| 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 | 237 | 188 |
| Total Organic Carbon | --- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| pH | 7.21 | ---- | ---- | 6.7 | 7.5 | ---- | 8.04 | 7.18 | 7.37 | 7.13 | 7.38 | 7.12 |
| Conductivity (mS/cm) | 341 | 330 | ---- | 540 | 562 | ---- | 270 | 0.404 | 0.439 | 0.523 | 0.491 | 0.399 |
| Temperature (C) | 6.7 | 11.1 | ---- | 9.3 | -10.94 | ---- | 9.2 | 11.2 | 10.79 | 10.19 | 11.4 | 11.26 |
| ORP (mV) | +17 | ---- | ---- | +75 | -256.2 | ---- | 54.8 | -160 | -184.8 | -122.8 | -156.4 | -148.5 |
| Dissolved Oxygen (mg/L) | 3.0 | 3.0 | ---- | 2.0 | 0.0 | ---- | 310 | 1 | 0.85 | 0.56 | 0.16 | 0.04 |

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

Table 1
16M
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 4/19/2017 | 4/25/2018 | 4/24/2019 | 7/29/2020 | Duplicate | 4/30/2021 | PAL | ES |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------|-----------|
| 1,4-Dichlorobenzene | <0.50 | <0.5 | <0.94 | <0.94 | <0.94 | <0.89 | 15 | 75 |
| 1,2,4-Trimethylbenzene | <0.50 | <0.50 | <0.84 | <0.84 | <0.84 | 0.87J | 96 | 480 |
| 1,3,5-Trimethylbenzene | <0.50 | <0.50 | <0.87 | <0.87 | <0.87 | <0.36 | 96 | 480 |
| Acetone | <3.0 | <3.0 | 3.6J | 3.5J | 5.7J | <8.6 | 1800 | 9000 |
| Benzene | <0.50 | <0.5 | 0.71J | 5.8 | 10.0 | 1.2 | 0.5 | 5 |
| n-Butylbenzene | <0.50 | 11.9 | <0.71 | <0.71 | <0.71 | 1.3 | ----- | ----- |
| sec-Butylbenzene | <2.2 | 22.7 | <0.85 | <0.85 | <0.85 | 4.1 | ----- | ----- |
| tert-Butylbenzene | <0.18 | 16.7 | 0.69J | <0.30 | <0.30 | 4.3 | ----- | ----- |
| Chlorobenzene | 1.1 | <0.5 | 0.73J | <0.71 | <0.71 | <0.86 | ----- | ----- |
| Chloroethane | <0.37 | <0.37 | <1.3 | <1.3 | <1.3 | <1.4 | 80 | 400 |
| cis-1,2-Dichloroethene | <0. | <0.26 | 0.30J | <0.27 | <0.27 | <0.47 | 7 | 70 |
| Ethylbenzene | <0.17 | <0.50 | <0.22 | <0.32 | <0.32 | <0.33 | 140 | 700 |
| Isopropylbenzene | <0.14 | 52.8 | 1.6J | <1.7 | <1.7 | 17.3 | ----- | ----- |
| Naphthalene | <2.5 | 43 | <1.2 | <1.2 | <1.2 | 5.7 | 10 | 100 |
| n-Propylbenzene | <0.50 | 110 | <0.81 | <0.81 | <0.81 | 14.9 | ----- | ----- |
| p-Isopropyltoluene | <0.50 | 1.1 | <0.80 | <0.80 | <0.80 | <1.0 | ----- | ----- |
| Toluene | <0.50 | <0.50 | <0.17 | 0.69J | 0.90 | <0.29 | 160 | 800 |
| Vinyl chloride | ----- | <0.18 | <0.17 | 0.31J | 0.60J | <0.17 | 0.02 | 0.2 |
| Xylenes (total) | <1.5 | <1.5 | <1.5 | <1.5 | <1.5 | <1.0 | 400 | 2,000 |
| Metals, mg/L | | | | | | | | |
| Arsenic | 0.0308 | 0.0342 | 0.0254 | 0.0244J | 0.0228J | 0.0286 | 0.001 | 0.01 |
| Barium | 1.03 | 1.95 | 1.43 | 0.972 | 0.973 | 1.36 | 0.4 | 2 |
| Cadmium | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Calcium | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Cobalt | <0.0014 | 0.0037J | <0.0014 | <0.0014 | 0.0015J | 0.0017J | 0.008 | 0.04 |
| Iron | 15.1 | 32.8 | 22.8 | 14.6 | 14.3 | 20.7 | 0.15 | 0.3 |
| Lead | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Manganese | 0.963 | 1.92 | 1.40 | 0.949 | 0.882 | 1.420 | 0.060 | 0.300 |
| Mercury | <0.00013 | <0.00013 | <0.000084 | <0.000066 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Sodium | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Vanadium | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | <0.0026 | 0.006 | 0.03 |
| Natural Attenuation Parameters, mg/L | | | | | | | | |
| Chloride | ----- | ----- | ----- | ----- | ----- | ----- | 125 | 250 |
| Nitrate as N | ----- | ----- | ----- | ----- | ----- | ----- | 2 | 10 |
| Sulfate | ----- | ----- | ----- | ----- | ----- | ----- | 125 | 250 |
| Total Alkalinity | 179 | 302 | 216 | 183 | 183 | 263 | ----- | ----- |
| Total Organic Carbon | ----- | 6 | 5.2 | 4.6 | 4.6 | 4.3 | ----- | ----- |
| pH | 7.35 | 6.95 | 7.23 | 6.64 | 6.64 | 7.08 | ----- | ----- |
| Conductivity (mS/cm) | 0.357 | 0.620 | 0.419 | 0.292 | 0.292 | 0.567 | ----- | ----- |
| Temperature (C) | 11.04 | 11.48 | 11.08 | 11.33 | 11.33 | 7.3 | ----- | ----- |
| ORP (mV) | -168.2 | -143.1 | -196.7 | 4.4 | 4.4 | -163.8 | ----- | ----- |
| Dissolved Oxygen (mg/L) | 0.77 | 0.14 | 0.13 | 0.10 | 0.10 | 1.80 | ----- | ----- |

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 | | | | | | | | | | | | Duplicate | | |
|---|-----------|------------|-----------|------------|------------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|
| | 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 | 10/28/2014 | 10/13/2015 | 4/25/2016 | 10/3/2016 |
| 1,2,4-Trimethylbenzene | 190 | 570 | 400 | 1,600 | 640 | 390 | 261 | 1780 | 215 | 378 | 318 | 448 | 943 | 897 |
| 1,3,5-Trimethylbenzene | 14 | 23 | <2.0 | 44 | <0.20 | <0.23 | <2.5 | <5.0 | <0.50 | <1.2 | <2.0 | <1.2 | <5.0 | <5.0 |
| n-Butylbenzene | 4.9 | <0.80 | 3.7 | 10 | 5.3 | <0.21 | ---- | 8.5 | 2.5 | 5.8 | 4.8 | 6.4 | <5.0 | 7.7 |
| sec-Butylbenzene | 17 | 10 | 23 | 28 | 21 | 13 | ---- | 24.2 | 15.5 | 21.2 | 18.6 | 22.7 | 22.5 | <21.9 |
| tert-Butylbenzene | 4.7 | <0.80 | 5.4 | 11 | 8.9 | <0.24 | ---- | 12.3 | 5.0 | 7.8 | 6.9 | 11.3 | 7.8 | 5.2 |
| Benzene | ---- | ---- | <2.0 | <1.6 | <0.20 | <0.12 | <0.50 | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | 6.8 | 9.4 | 11 | 16 | 12 | 5.8 | ---- | 25.2 | 6.1 | 10.2 | 9.0 | 8.7 | 11.5 | 8.5 |
| p-Isopropyltoluene | 6.8 | 7.3 | 7.1 | 23 | 17 | 3.0 | ---- | 24.4 | 3.8 | 10.6 | 9.2 | 11.4 | 15.6 | 10.2 |
| Naphthalene | 2.2 | 6.4 | 2.9 | 11 | 4.1 | 2.6 | <2.5 | <25.0 | <2.5 | <6.2 | <10.0 | <6.2 | <25 | <25 |
| n-Propylbenzene | 13 | 18 | 23 | 36 | 25 | 9.2 | ---- | 48.4 | 9.2 | 17.8 | 15.9 | 18.6 | 29.5 | 23.3 |
| Toluene | <1.0 | <2.0 | <5.0 | <4.0 | <0.50 | <0.15 | <0.44 | <4.4 | <0.50 | <1.2 | <2.0 | <1.2 | <5.0 | <5.0 |
| Xylenes (total) | <1.0 | 2.2 | <5.0 | <4.0 | 1.1 | <0.30 | <1.3 | <13.2 | <1.5 | <3.8 | <6.0 | <3.8 | <15 | <15 |
| Metals, mg/L | | | | | | | | | | | | | | |
| Arsenic | 0.0032 | 0.012 | 0.010 | 0.014 | 0.017 | 0.0082 | 0.0105 | 0.0203 | 0.0087 | 0.0111 | ---- | 0.0111 | 0.0108 | 0.0173 |
| Barium | 0.15 | 0.21 | 0.27 | 0.34 | 0.24 | 0.170 | 0.178 | 0.318 | 0.149 | 0.166 | ---- | 0.204 | 0.173 | 0.177 |
| Cadmium | <0.00012 | <0.00061 | <0.00061 | <0.00012 | <0.00012 | <0.00010 | <0.00038 | <0.00038 | <0.00060 | <0.00060 | ---- | <0.00060 | <0.00060 | <0.00060 |
| Calcium | ---- | ---- | ---- | ---- | ---- | ---- | 69.2 | ---- | 58.2 | ---- | ---- | ---- | ---- | ---- |
| Cobalt | 0.0079 | <0.00061 | 0.001 | <0.00061 | 0.00039 | 0.00049 | <0.00085 | <0.00085 | <0.00094 | <0.00094 | ---- | <0.00094 | <0.00094 | <0.00094 |
| Iron | 4.9 | 19 | 34 | 33 | 22 | 14 | 14.4 | 31.6 | 12.0 | 12.9 | ---- | 15.3 | 13.6 | 11.3 |
| Lead | <0.00012 | <0.00061 | <0.00061 | <0.00061 | <0.00013 | <0.00016 | 0.0015 | 0.0025 | <0.0030 | <0.0030 | ---- | <0.0030 | 0.0033 | <0.0030 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- | 29.5 | ---- | 25.0 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 1.4 | 1.5 | 2.9 | 3.6 | 2.5 | 2.1 | 1.42 | 2.91 | 1.25 | 1.78 | ---- | 2.28 | 2.06 | 1.88 |
| Mercury | <0.000065 | <0.000065 | <0.000065 | <0.000065 | <0.000070 | <0.000070 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | ---- | <0.00010 | <0.00018 | <0.00013 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- | 1.92 | ---- | 1.35 | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- | 2.65 | ---- | 2.71 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 0.00025 | <0.00061 | <0.00061 | <0.00061 | <0.00066 | <0.00034 | 0.0015 | 0.0014 | <0.0020 | <0.0020 | ---- | 0.0076 | <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 | ---- | ---- | 196 | 220 | 238 |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| pH | 6.59 | 6.72 | 7.0 | 7.33 | 7.59 | 7.93 | 6.67 | 6.86 | 7.00 | 6.65 | ---- | 7.01 | 7.27 | 6.83 |
| Conductivity (mS/cm) | 524 | 440 | 460 | 590 | 625 | 410 | 0.366 | 0.458 | 0.376 | 0.357 | ---- | 0.355 | 0.33 | 0.383 |
| Temperature (C) | 6.3 | 11.0 | 8.8 | -9.39 | 10.2 | 8.5 | 7.68 | 12.6 | 7.09 | 12.25 | ---- | 12.19 | 8.65 | 15.01 |
| ORP (mV) | -29 | -55 | -10 | -220.2 | -188 | -18.6 | -50.9 | -102.4 | -85.7 | -50.4 | ---- | -116.8 | -107.7 | -83.5 |
| Dissolved Oxygen (mg/L) | 4.0 | 3.0 | 4.0 | 0.0 | 0.5 | 4.5 | 4.1 | 0.67 | 4.99 | 1.22 | ---- | 0.39 | 0.81 | 1.70 |

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

**Table 1
17S
Summary of Detected Compounds
Onalaska Superfund Landfill**

| Volatile Organic Compounds (VOC), ug/L | 4/30/21 | | | | | | | | | | PAL | ES |
|---|-----------|----------|-----------|------------|-----------|------------|-----------|-----------|-----------|------|------|-------|
| | 4/18/2017 | 1/9/2018 | 4/25/2018 | 10/24/2018 | 4/24/2019 | 10/16/2019 | 7/27/2020 | 11/4/2020 | 4/30/2021 | Dup[| | |
| 1,2,4-Trimethylbenzene | 433 | 1090 | 436 | 1350 | 304 | 431 | 1190 | 1340 | 339 | ---- | 96 | 480 |
| 1,3,5-Trimethylbenzene | <5.0 | <5.0 | <5.0 | <8.7 | <3.5 | <4.4 | <4.4 | <4.4 | <1.8 | ---- | 96 | 480 |
| n-Butylbenzene | <5.0 | 9.7J | 6.7J | 7.3J | 3.8J | <3.5 | 6.7J | 9.6J | 4.6J | ---- | ---- | ---- |
| sec-Butylbenzene | <21.9 | 30.2J | <21.9 | 13.1J | 13.1J | 19.5J | 20.0J | 27.8 | 14.0 | ---- | ---- | ---- |
| tert-Butylbenzene | 3.2J | 11.2 | 9.3J | 10.3 | 3.7J | 6.0 | 8.7 | 9.8 | 5.3 | ---- | ---- | ---- |
| Benzene | ---- | <5.0 | <5.0 | <2.5 | <0.99 | <1.2 | 10.5J | <1.2 | <1.5 | ---- | 0.5 | 5 |
| Isopropylbenzene | 5.2J | 13.4 | 9.8J | 11.4J | 6.2J | 9.1J | 10.5J | 10.8J | 6.9J | ---- | ---- | ---- |
| p-Isopropyltoluene | 7.4J | 23.4 | 8.3J | 21.1J | 5.7J | 11.8J | 16.6 | 30.7 | 5.8J | ---- | ---- | ---- |
| Naphthalene | <25 | <25.0 | <25.0 | <11.8 | 7.3J | <5.9 | 7.7J | <5.9 | 7.7J | ---- | 10 | 100 |
| n-Propylbenzene | 11.3 | 31.1 | 19.7J | 25.5J | 15.1J | 16.4J | 24.8J | 25.9 | 15.4 | ---- | ---- | ---- |
| Toluene | <5.0 | <5.0 | <5.0 | <1.7 | <0.69 | <0.86 | 3.5J | <1.3 | <1.4 | ---- | 160 | 800 |
| Xylenes (total) | <15 | <15.0 | <15.0 | <15.0 | <6.0 | <7.5 | <7.5 | <7.5 | 6.1J | ---- | 400 | 2,000 |

Metals, mg/L

| | | | | | | | | | | | | |
|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|
| Arsenic | 0.0109J | 0.0183 | .0104J | <0.0054 | <0.0054 | 0.0147J | <0.0083 | 0.0182J | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.172 | 0.22 | 0.187 | 0.188 | 0.143 | 0.14 | 0.172 | 0.180 | 0.127 | 0.122 | 0.4 | 2 |
| Cadmium | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Calcium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Cobalt | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | 12.4 | 16.3 | 13.4 | 11.1 | 8.65 | 7.67 | 9.68 | 9.86 | 7.34 | 7.20 | 0.15 | 0.3 |
| Lead | <0.0043 | <0.0043 | <0.0043 | <0.0064 | <0.0064 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | 1.96 | 1.96 | 1.54 | 1.30 | 1.20 | 1.14 | 1.16 | 1.14 | 0.80 | 0.77 | 0.060 | 0.300 |
| Mercury | <0.00013 | <0.00013 | <0.00013 | <0.000084 | <0.000084 | <0.000084 | <0.000066 | <0.000066 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Vanadium | <0.0022 | <0.0022 | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | <0.0026 | <0.0026 | <0.0026 | 0.006 | 0.03 |

**Natural Attenuation
Parameters, mg/L**

| | | | | | | | | | | | | |
|-------------------------|--------|-------|-------|--------|--------|--------|-------|--------|-------|-------|------|------|
| Chloride | | | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Nitrate as N | | | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2 | 10 |
| Sulfate | | | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Total Alkalinity | 235 | 237 | 237 | ---- | 214 | ---- | 230 | ---- | 167 | ---- | ---- | ---- |
| Total Organic Carbon | | 1.8 | 1.6 | 1.6 | 1.8 | 1.5 | 1.9 | 1.6 | 3.0 | ---- | ---- | ---- |
| pH | 7 | 6.48 | 6.61 | 6.97 | 7.13 | 7.09 | ---- | 7.11 | 6.74 | 6.74 | ---- | ---- |
| Conductivity (mS/cm) | 0.347 | 0.291 | 0.399 | 0.499 | 0.289 | 0.442 | 0.330 | 0.357 | 0.359 | 0.359 | ---- | ---- |
| Temperature (C) | 8.54 | 10.98 | 7.68 | 12.47 | 7.57 | 11.42 | 11.18 | 12.89 | 4.40 | 4.40 | ---- | ---- |
| ORP (mV) | -102.8 | -72 | -81.8 | -126.1 | -122.3 | -130.1 | -78.1 | -236.9 | -110 | -110 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 1.55 | 0.38 | 1.42 | 1.42 | 1.67 | 1.83 | 0.66 | 0.65 | 2.06 | 2.06 | ---- | ---- |

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 | Duplicate | | | | | | | | | | | | | PAL | ES |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|
| | 4/14/2009 | 4/28/2010 | 4/28/2010 | 4/19/2012 | 5/15/2013 | 4/28/2014 | 10/13/2015 | 4/25/2016 | 4/18/2017 | 4/25/2018 | 4/24/2019 | 7/27/2020 | 4/30/2021 | | |
| 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 | 0.0143J | 0.0159J | 0.0158J | 0.0095J | 0.001 | 0.01 |
| Barium | 0.35 | 1.1 | ---- | 0.35 | 0.694 | 0.905 | 0.608 | 0.637 | 0.634 | 0.779 | 0.607 | 0.506 | 0.493 | 0.4 | 2 |
| Cadmium | <0.00012 | <0.00061 | ---- | <0.00010 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <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 | <0.0014 | <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 | 5.29 | 4.72 | 5.34 | 0.15 | 0.3 |
| Lead | <0.00012 | <0.00061 | ---- | 0.00022 | <0.0012 | <0.0030 | <0.0030 | <0.0030 | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | 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 | 0.875 | 0.765 | 0.745 | 0.060 | 0.300 |
| Mercury | <0.00065 | <0.000065 | ---- | <0.000070 | <0.0001 | <0.00010 | <0.00010 | <0.00018 | <0.00013 | <0.00013 | <0.000084 | <0.000066 | <0.000066 | 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 | <0.0022 | <0.0026 | <0.0026 | 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 | 179 | 161 | 151 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2.2 | 3.6 | 4.5 | 5.7 | ---- | ---- |
| pH | 7.03 | 6.9 | ---- | 8.10 | 7.31 | 7.71 | 7.63 | 7.88 | 7.73 | 7.41 | 7.69 | ---- | 7.41 | ---- | ---- |
| Conductivity (mS/cm) | 350 | 620 | ---- | 250 | 0.296 | 0.390 | 0.326 | 0.290 | 0.304 | 0.407 | 0.287 | 0.239 | 0.339 | ---- | ---- |
| Temperature (C) | 7.4 | 10.7 | ---- | 9.1 | 10.76 | 10.35 | 9.61 | 10.66 | 10.16 | 10.48 | 10.17 | 10.23 | 6.22 | ---- | ---- |
| ORP (mV) | -30 | -41 | ---- | 25.6 | -182.2 | -193.7 | -166.8 | -183.5 | -194.7 | -172.8 | -217.5 | -31.9 | -195.8 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 3.0 | 3.0 | ---- | 3.0 | 0.48 | 1.78 | 0.63 | 0.20 | 0.93 | 0.10 | 0.16 | 0.61 | 1.00 | ---- | ---- |

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 | 4/24/2019 | 7/30/2020 | 4/29/2021 | 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 | <0.0054 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.025 | 0.044 | 0.013 | 0.0714 | 0.0891 | 0.106 | 0.101 | 0.0898 | 0.128 | 0.0948 | 0.083 | 0.0731 | 0.4 | 2 |
| Cadmium | <0.00012 | <0.00061 | 0.00043 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <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 | <0.0014 | <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 | <0.0354 | <0.0352 | <0.0567 | 0.15 | 0.3 |
| Lead | <0.00012 | <0.00061 | <0.00016 | <0.0012 | <0.0030 | 0.0031 | <0.0030 | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | 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 | 1.56 | 1.36 | 1.19 | 0.060 | 0.300 |
| Mercury | <0.000065 | <0.000065 | <0.000070 | <0.00010 | <0.00010 | <0.00010 | <0.00018 | <0.00013 | <0.00013 | <0.000084 | <0.000066 | <0.000066 | 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 | <0.0022 | <0.0026 | <0.0026 | 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 | 172 | 150 | 154 | --- | --- |
| Total Organic Carbon | ---- | --- | ---- | ---- | ---- | ---- | ---- | ---- | 1.8 | 2.0 | 2.2 | 2.4 | --- | --- |
| pH | 7.15 | 7.3 | 8.16 | 7.98 | 7.71 | 7.89 | 8.20 | 8.02 | 7.65 | 7.92 | 7.11 | 7.74 | --- | --- |
| Conductivity (mS/cm) | 200 | 240 | 330 | 0.295 | 0.305 | 0.336 | 0.292 | 0.286 | 0.431 | 0.263 | 0.222 | 0.328 | --- | --- |
| Temperature (C) | 6.5 | 12.2 | 8.8 | 9.36 | 8.57 | 9.47 | 9.60 | 9.68 | 9.75 | 9.00 | 9.17 | 5.26 | --- | --- |
| ORP (mV) | 5 | +13 | -15.5 | 48.6 | 33.7 | -33.2 | -48.2 | 228.2 | -32.6 | -98.3 | 7.0 | -60.6 | --- | --- |
| Dissolved Oxygen (mg/L) | 3.0 | 3.0 | 2.5 | 4.9 | 7.04 | 0.74 | 0.19 | 0.66 | 0.17 | 0.32 | 0.10 | 1.25 | --- | --- |

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 | 4/23/2019 | 7/30/2020 | 4/29/2021 | PAL | ES |
|------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|
| Metals, mg/L | | | | | | | | | | | | | | |
| Arsenic | 0.00099 | 0.0025 | 0.0021 | <0.0044 | <0.0072 | <0.0072 | 0.0086 | <0.0083 | 0.0089J | 0.0201J | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.056 | 0.060 | 0.047 | 0.0432 | 0.0359 | 0.117 | 0.089 | 0.0691 | 0.0778 | 0.11 | 0.100 | 0.085 | 0.4 | 2 |
| Cadmium | <0.00012 | <0.00061 | <0.00010 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <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 | <0.0014 | 0.0016J | 0.0020J | 0.008 | 0.04 |
| Iron | 1.0 | 11 | 6.6 | 1.97 | 1.47 | 25.6 | 23.4 | 21.2 | 27.8 | 22.4 | 24.4 | 36.1 | 0.15 | 0.3 |
| Lead | <0.00012 | <0.00061 | <0.00016 | <0.0012 | <0.0030 | <0.0030 | <0.0030 | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | 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 | 2.56 | 3.10 | 4.16 | 0.060 | 0.300 |
| Mercury | <0.000065 | <0.000065 | <0.000070 | <0.00010 | <0.00010 | <0.00010 | <0.00018 | <0.00013 | <0.00013 | <0.000084 | <0.000066 | <0.000066 | 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 | 0.0029J | <0.0026 | <0.0026 | 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 | 166 | 161 | 227 | ---- | ---- |
| Total Organic Carbon | --- | --- | --- | ---- | ---- | ---- | ---- | ---- | 7.1 | 6.1 | 7.7 | 9.3 | ---- | ---- |
| pH | 7.25 | 7.1 | 8.26 | ---- | 6.94 | 6.77 | 7.21 | 6.81 | 6.39 | 6.81 | 6.51 | 6.65 | ---- | ---- |
| Conductivity (mS/cm) | 275 | 370 | 300 | ---- | 0.229 | 0.372 | 0.317 | 0.319 | 0.403 | 0.264 | 0.276 | 0.536 | ---- | ---- |
| Temperature (C) | 6.1 | 10.2 | 8.3 | ---- | 7.26 | 9.83 | 8.52 | 7.95 | 7.58 | 7.67 | 9.69 | 4.22 | ---- | ---- |
| ORP (mV) | +17 | +29 | -10.9 | ---- | 26.6 | -92.1 | -101.4 | -76.9 | -77.4 | -132.2 | 5.9 | -148.0 | ---- | ---- |
| Dissolved Oxygen (mg/L) | 5.0 | 4.0 | 2.5 | ---- | 8.41 | 0.70 | 0.66 | 1.72 | 1.17 | 1.05 | 0.36 | 2.17 | ---- | ---- |

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 | Duplicate | | | | | | | | | | | | | | | | PAL | ES |
|---|-----------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|
| | 4/14/2009 | 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 | 4/23/2019 | 7/29/2020 | 4/27/2021 | | |
| 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 | <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 | 0.0094 | <0.0054 | 0.0057J | 0.014J | <0.0083 | <0.0083 | 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 | 0.124 | 0.135 | 0.141 | 0.4 | 2 |
| Cadmium | 0.00014 | ---- | <0.00061 | <0.00010 | <0.00038 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Calcium | ---- | ---- | ---- | 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 | 0.0018J | 0.0016J | <0.0014 | 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 | 0.22 | 0.358 | 0.357 | 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 | <0.0064 | <0.0059 | <0.0059 | 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 | 3.88 | 4.55 | 4.30 | 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 | <0.000084 | <0.000066 | <0.000066 | 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 | 0.0027J | <0.0026 | <0.0026 | 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 | 234 | 222 | 232 | ---- | ---- |
| Total Organic Carbon | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2.2 | 1.9 | 2.5 | 2.0 | ---- | ---- |
| 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 | 7.20 | 6.80 | 7.36 | ---- | ---- |
| Conductivity (mS/cm) | 550 | ---- | 450 | 370 | 0.451 | 0.470 | 0.438 | 0.417 | 0.332 | 0.285 | 0.292 | 0.297 | 0.352 | 0.288 | 0.299 | 0.374 | ---- | ---- |
| 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 | 9.63 | 9.45 | 9.3 | ---- | ---- |
| ORP (mV) | +395 | ---- | +275 | 181.6 | -14.9 | 55.8 | -39.4 | 25.0 | -12.7 | -27.3 | 8.2 | -17.9 | -21.3 | -146.7 | 19.8 | -30.4 | ---- | ---- |
| 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 | 0.41 | 0.04 | 1.30 | ---- | ---- |

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

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

| volatile Organic Compounds (VOC), ug/L | 4/18/2012 | 5/16/2013 | 4/29/2014 | 10/14/2015 | 4/26/2016 | 4/20/2017 | 4/24/2018 | 4/23/2019 | 7/30/2020 | 4/27/2021 | 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 | 4/18/2012 | 5/16/2013 | 4/29/2014 | 10/14/2015 | 4/26/2016 | 4/20/2017 | 4/24/2018 | 4/23/2019 | 7/30/2020 | 4/27/2021 | PAL | ES |
|---------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|-----------|
| Arsenic | 0.00055 | <0.0044 | <0.0072 | <0.0072 | <0.0072 | 0.0060J | <0.0054 | 0.0113J | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.160 | 0.209 | 0.165 | 0.167 | 0.208 | 0.264 | 0.28 | 0.278 | 0.231 | 0.273 | 0.4 | 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 | --- | 62.7 | 52.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cobalt | 0.0014 | 0.0021 | 0.0015 | 0.0021 | 0.0029 | 0.0032J | 0.0027J | 0.0034J | 0.0023J | 0.0028J | 0.008 | 0.04 |
| Iron | 0.040 | 0.0261 | 0.0219 | 0.0151 | 0.0273 | 0.0314J | .0356J | <0.0354 | <0.0352 | 0.0597J | 0.15 | 0.3 |
| Lead | <0.00016 | <0.0012 | <0.0030 | 0.0031 | <0.0030 | <0.0043 | <0.0043 | <0.0064 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | --- | 27.8 | 22.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Manganese | 2.2 | 2.69 | 2.17 | 2.64 | 3.04 | 3.08 | 3.22 | 3.68 | 3.24 | 3.84 | 0.060 | 0.300 |
| Mercury | <0.00070 | <0.00010 | <0.00010 | <0.00010 | <0.00018 | <0.0013 | <0.00013 | <0.000084 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | --- | 1.6 | 1.28 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sodium | --- | 10.4 | 9.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vanadium | <0.00034 | 0.0027 | <0.0020 | 0.0084 | <0.0020 | <0.0022 | <0.0022 | <0.0022 | <0.0026 | <0.0026 | 0.006 | 0.03 |

| Dissolved Gases, ug/L | 4/18/2012 | 5/16/2013 | 4/29/2014 | 10/14/2015 | 4/26/2016 | 4/20/2017 | 4/24/2018 | 4/23/2019 | 7/30/2020 | 4/27/2021 | PAL | ES |
|------------------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|-----------|
| Ethane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ethene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Methane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| Natural Attenuation Parameters, mg/L | 4/18/2012 | 5/16/2013 | 4/29/2014 | 10/14/2015 | 4/26/2016 | 4/20/2017 | 4/24/2018 | 4/23/2019 | 7/30/2020 | 4/27/2021 | PAL | ES |
|---|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|-----------|
| Chloride | 13 | 16.2 | 14.5 | --- | --- | --- | --- | --- | --- | --- | 125 | 250 |
| Nitrate as N | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | 10 |
| Sulfate | --- | 2.2 | 2.5 | --- | --- | --- | --- | --- | --- | --- | 125 | 250 |
| Total Alkalinity | 240 | 238 | 238 | 229 | 260 | 287 | 278 | 309 | 255 | 295 | --- | --- |
| Total Organic Carbon | --- | --- | --- | --- | --- | --- | 2.8 | 2.9 | 3.4 | 2.9 | --- | --- |

| | | | | | | | | | | | | |
|-------------------------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| pH | 7.38 | 7.43 | 9.16 | 7.24 | 7.37 | 7.15 | 6.96 | 7.18 | 6.34 | 7.01 | --- | --- |
| Conductivity (mS/cm) | 380 | 0.36 | 0.374 | 0.364 | 0.402 | 0.441 | 0.514 | 0.409 | 0.333 | 0.530 | --- | --- |
| Temperature (C) | 11.8 | 9.73 | 9.39 | 10.48 | 9.55 | 9.48 | 9.8 | 9.04 | 9.19 | 9.27 | --- | --- |
| ORP (mV) | -13.8 | -3.4 | -558.7 | -6.5 | 15.7 | 25.7 | 27.9 | -61.5 | 15.4 | 34.6 | --- | --- |
| Dissolved Oxygen (mg/L) | 2.9 | 0.45 | 0.70 | 0.38 | 0.24 | 0.86 | 0.29 | 0.31 | 0.13 | 1.51 | --- | --- |

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

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 | 4/25/2019 | | | | | | | | | PAL | ES |
|---|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-------|-------|
| | 1/8/2018 | 4/23/2018 | 10/24/2018 | 4/25/2019 | Duplicate | 10/16/2019 | 7/27/2020 | 11/4/2020 | 4/26/2021 | | |
| Acetone | <3.0 | <3.0 | 2.8J | 3.8J | <2.7 | 9.9J | <2.7 | <2.7 | <8.6 | 1800 | 9000 |
| Benzene | <0.50 | 1.5 | <0.25 | <0.25 | <0.25 | <0.25 | <.25 | <.25 | <0.30 | 0.5 | 5 |
| sec-Butylbenzene | <2.2 | 27.9 | <0.85 | <0.85 | <0.85 | <0.85 | <0.85 | <0.85 | <0.452 | ----- | ----- |
| tert-Butylbenzene | <0.18 | 25.5 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.59 | ----- | ----- |
| Chlorobenzene | <0.50 | 0.96J | <0.71 | <0.71 | <0.71 | <0.71 | <0.71 | <0.71 | <0.86 | ----- | ----- |
| Methylene chloride | <0.23 | <0.23 | 0.96J | <0.58 | <0.58 | <0.58 | <0.58 | <0.58 | <0.32 | 0.5 | 5 |
| Naphthalene | <2.5 | 57.3 | <1.2 | <1.2 | <1.2 | <1.2 | <1.2 | <1.2 | <1.1 | 10 | 100 |
| Isopropylbenzene | <0.14 | 101 | <0.39 | <0.39 | <0.39 | <0.39 | <1.7 | <1.7 | <1.0 | ----- | ----- |
| n-Butylbenzene | <0.50 | 11.5 | <0.71 | <0.71 | <0.71 | <0.71 | <0.71 | <0.71 | <0.86 | ----- | ----- |
| n-Propylbenzene | <0.50 | 150 | <0.81 | <0.81 | <0.81 | <0.81 | <0.81 | <0.81 | <0.35 | ----- | ----- |
| p-Isopropyltoluene | <0.50 | 0.58J | <0.80 | <0.80 | <0.80 | <0.80 | <0.80 | <0.80 | <1.0 | ----- | ----- |

Metals, mg/L

| | | | | | | | | | | | |
|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|
| Arsenic | <0.0054 | <0.0054 | <0.0054 | 0.0139J | <0.0054 | <0.0083 | <0.0083 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.0262 | 0.0237 | 0.0215 | 0.021 | 0.0216 | 0.0218 | 0.0238 | 0.0229 | 0.0206 | 0.4 | 2 |
| Cadmium | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Calcium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Cobalt | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | <0.0155 | <0.0155 | <0.0354 | <0.0354 | <0.0354 | <0.0352 | <0.0352 | <0.0567 | <0.0567 | 0.15 | 0.3 |
| Lead | 0.0074 | <0.0043 | <0.0064 | <0.0064 | <0.0064 | <0.0059 | <0.0059 | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | <0.0011 | <0.0011 | <0.0011 | <0.0011 | <0.0011 | <0.0015 | <0.0015 | <0.0015 | <0.0015 | 0.060 | 0.300 |
| Mercury | <0.00013 | <0.00013 | <0.000084 | <0.000084 | <0.000084 | <0.000084 | <0.000066 | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Vanadium | <0.0022 | <0.0022 | <0.0022 | 0.0023J | 0.003J | <0.0026 | <0.0026 | 0.0026J | <0.0026 | 0.006 | 0.03 |

Dissolved Gases, ug/L

| | | | | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| Ethane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ethene | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Methane | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

**Natural Attenuation
Parameters, mg/L**

| | | | | | | | | | | | |
|----------------------|------|------|-------|------|------|------|------|------|------|------|------|
| Chloride | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Nitrate as N | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 2 | 10 |
| Sulfate | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 125 | 250 |
| Total Alkalinity | 221 | 205 | ---- | 198 | 193 | ---- | 218 | ---- | 218 | ---- | ---- |
| Total Organic Carbon | 0.7 | 0.88 | 0.83J | 0.90 | 1.1 | ---- | 0.93 | 0.88 | 0.88 | ---- | ---- |

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 | 4/23/2019 | 7/30/2020 | 4/29/2021 | PAL | ES |
|---|-----------|-------------|---------------|--------------|--------------|--------------|--------------|-----------|--------------|--------------|--------------|--------------|-----------|--------|-------|
| Metals, mg/L | | | | | | | | | | | | | | | |
| Arsenic | ---- | <0.00061 | <0.00015 | <0.0044 | <0.0072 | <0.0072 | <0.0072 | <0.0083 | <0.0083 | <0.0083 | <0.0083 | <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 | 0.0203 | 0.0212 | <0.0015 | 0.4 | 2 |
| Cadmium | ---- | <0.00061 | <0.00010 | <0.00038 | <0.00060 | <0.00060 | <0.00060 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | <0.0013 | 0.0005 | 0.005 |
| Calcium | ---- | ---- | ---- | 69.9 | 60.7 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Cobalt | ---- | <0.00061 | <0.00013 | <0.00085 | <0.00094 | <0.00094 | <0.00094 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 0.008 | 0.04 |
| Iron | ---- | 4.4 | 3.5 | 4.38 | 3.42 | 4.53 | 4.15 | <0.034 | 5.87 | 10.4 | 5.44 | 3.56 | <0.0567 | 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 | <0.0059 | <0.0059 | <0.0059 | 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 | 0.145 | 0.112 | <0.0015 | 0.060 | 0.300 |
| Mercury | ---- | <0.000065 | <0.000070 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00013 | <0.00013 | <0.00013 | <0.000084 | <0.000066 | <0.000066 | 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 | 0.0027J | <0.0026 | <0.0026 | 0.006 | 0.03 |

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

Table 1
PW2
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 4/15/2009 | 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 | 4/23/2019 | 7/31/2020 | 4/28/2021 | PAL | ES |
|--|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|
| Acetone | ---- | ---- | ---- | <2.6 | <3.0 | <3.0 | ---- | <3.0 | <3.0 | <3.0 | <3.0 | 2.9J | <2.7 | <8.6 | 1800 | 9000 |
| Chloromethane | <0.30 | <0.30 | <0.24 | <0.39 | <0.50 | <0.50 | ---- | <0.50 | <0.50 | <0.50 | <0.50 | 4.3J | <2.2 | <1.6 | 3 | 30 |

| Metals, mg/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 | 4/23/2019 | 7/31/2020 | 4/28/2021 | PAL | ES |
|--------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|
| Arsenic | 0.00058 | <0.00061 | 0.00066 | <0.0044 | <0.0072 | <0.0072 | <0.0072 | <0.0072 | <0.0083 | <0.0083 | <0.0083 | <0.0083 | <0.0083 | <0.0083 | 0.001 | 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 | 0.094 | 0.087 | 0.126 | 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 | <0.0013 | <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 | <0.0014 | <0.0014 | <0.0014 | <0.0014 | 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 | 0.117J | 0.0755J | 0.186 | 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 | <0.0059 | <0.0059 | <0.0059 | 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 | 0.0504 | 0.0508 | 0.614 | 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 | <0.00084 | <0.000066 | <0.000066 | 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 | <0.0026 | <0.0026 | <0.0026 | 0.006 | 0.03 |

| Natural Attenuation Parameters, mg/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 | 4/23/2019 | 7/31/2020 | 4/28/2021 | PAL | ES |
|--------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|
| 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 | 4/24/2019 | 4/28/2021 | PAL | ES |
|---|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------|-----------|
| Acetone | <2.6 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | 2.9J | <8.6 | 1800 | 9000 |
| Toluene | 0.73 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.17 | <0.29 | 160 | 800 |

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

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

Table 1
PW4
Summary of Detected Compounds
Onalaska Superfund Landfill

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

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

Table 1
PW5
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 4/23/2019 | 5/14/2019 | 7/30/2020 | 4/28/2021 | PAL | ES |
|---|------------------|------------------|------------------|------------------|------------|-----------|
| Acetone | <2.7 | | 3.2J | <8.6 | 1800 | 9000 |
| Carbon disulfide | 2.9J | ---- | <0.45 | <1.1 | 200 | 1000 |

Metals, mg/L

| | | | | | | |
|-----------|--------------|--------------|--------------|--------------|--------|-------|
| Arsenic | <0.0083 | <0.0083 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.0282 | ---- | 0.0279 | 0.0266 | 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 | 0.799 | ---- | 0.954 | 0.786 | 0.15 | 0.3 |
| Lead | <0.0059 | ---- | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | 0.368 | 0.398 | 0.310 | 0.279 | 0.060 | 0.300 |
| Mercury | <0.000084 | ---- | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- |
| Vanadium | <0.0026 | ---- | <0.0026 | <0.0026 | 0.006 | 0.03 |

Natural Attenuation Parameters, mg/L

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

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

Table 1
PW6
Summary of Detected Compounds
Onalaska Superfund Landfill

| Volatile Organic Compounds (VOC), ug/L | 4/23/2019 | 5/14/2019 | 7/30/2020 | 4/28/2021 | PAL | ES |
|---|-----------|-----------|-----------|-----------|------|------|
| Acetone | 3.9J | ---- | <2.7 | <8.6 | 1800 | 9000 |

Metals, mg/L

| | | | | | | |
|-----------|---------------|--------------|--------------|---------------|--------|-------|
| Arsenic | .0147J | <0.0083 | <0.0083 | <0.0083 | 0.001 | 0.01 |
| Barium | 0.0423 | ---- | 0.0512 | 0.0445 | 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 | <0.0739 | ---- | <0.0352 | 1.39 | 0.15 | 0.3 |
| Lead | <0.0059 | ---- | <0.0059 | <0.0059 | 0.0015 | 0.015 |
| Magnesium | ---- | ---- | ---- | ---- | ---- | ---- |
| Manganese | 0.224 | 0.407 | 0.186 | 0.0864 | 0.060 | 0.300 |
| Mercury | <0.000084 | ---- | <0.000066 | <0.000066 | 0.0002 | 0.002 |
| Potassium | ---- | ---- | ---- | ---- | ---- | ---- |
| Sodium | ---- | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 0.0028J | ---- | <0.0026 | <0.0026 | 0.006 | 0.03 |

**Natural Attenuation
Parameters, mg/L**

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

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

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

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

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

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

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

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

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

Residential wells are sampled for VOC and metals only.

| | | |
|----------------------------------|------------|-----------------------|
| Created by | | |
| (beginning with 4/9/08 results): | <u>TLR</u> | Date: <u>5/6/2008</u> |
| Last revision by: | <u>SJO</u> | Date: <u>6/1/2021</u> |
| Checked by: | <u>SJO</u> | Date: <u>6/1/2021</u> |

[https://netorg76955-my.sharepoint.com/personal/john_storlie_theosgrp_com/Documents/CES-Projects/OnalaskaLandfill/\[Table_1_Analytical_073120.xlsx\]Notes](https://netorg76955-my.sharepoint.com/personal/john_storlie_theosgrp_com/Documents/CES-Projects/OnalaskaLandfill/[Table_1_Analytical_073120.xlsx]Notes)

**Table 2. Water Table Elevations - April 23, 2021
Onalaska Superfund Landfill**

| Well Number | Date | Elevation Top of Casing ¹ | Depth to Groundwater | Elevation of Groundwater |
|---------------------|-----------|--------------------------------------|----------------------|--------------------------|
| Anderson Well | NM | NM | NM | NM |
| AW-1 | NM | NM | NM | NM |
| AW-9 | NM | NM | NM | NM |
| AW-13 | NM | 658.85 | NM | NM |
| AW-20 | NM | NM | NM | NM |
| AW-25 | NM | NM | NM | NM |
| AW-28 | NM | 660.91 | NM | NM |
| EW-1 | NM | NM | NM | NM |
| EW-2 | NM | NM | NM | NM |
| EW-3 | NM | NM | NM | NM |
| EW-4 | NM | NM | NM | NM |
| EW-5 | NM | NM | NM | NM |
| Taylor Well | NM | NM | NM | NM |
| Marshall Well | NM | NM | NM | NM |
| MW-1SR | 4/23/2021 | 660.54 | 15.59 | 644.95 |
| MW-2D | 4/23/2021 | 673.90 | 28.79 | 645.11 |
| MW-2M | 4/23/2021 | 673.64 | 28.63 | 645.01 |
| MW-2S | 4/23/2021 | 672.85 | 27.81 | 645.04 |
| MW-4S | 4/23/2021 | 665.84 | 21.05 | 644.79 |
| MW-5S | 4/23/2021 | 661.11 ² | 16.28 | 644.83 |
| MW-6M | 4/23/2021 | 649.71 | 5.19 | 644.52 |
| MW-6S | 4/23/2021 | 647.86 | 3.35 | 644.51 |
| MW-7M | 4/23/2021 | 663.74 | 19.11 | 644.63 |
| MW-8D | 4/23/2021 | 660.60 | 15.99 | 644.61 |
| MW-8M | 4/23/2021 | 660.71 | 16.15 | 644.56 |
| MW-8S | 4/23/2021 | 660.74 | 16.18 | 644.56 |
| MW-9M | 4/23/2021 | 657.32 | 13.01 | 644.31 |
| MW-10M | 4/23/2021 | 657.74 | 13.40 | 644.34 |
| MW-11M | 4/23/2021 | 658.35 | 13.94 | 644.41 |
| MW-12S | 4/23/2021 | 664.22 | 19.62 | 644.60 |
| MW-14S | 4/23/2021 | 656.05 | 11.30 | 644.75 |
| MW-15M | 4/23/2021 | 656.98 | 12.41 | 644.57 |
| MW-16S | 4/23/2021 | 658.94 | 14.22 | 644.72 |
| MW-16M | 4/23/2021 | 659.22 | 14.53 | 644.69 |
| MW-17S | 4/23/2021 | 658.51 | 13.75 | 644.76 |
| MW-17M | 4/23/2021 | 658.76 | 13.95 | 644.81 |
| Elvin Well | NM | NM | NM | NM |
| PZ-1 | 4/23/2021 | 656.40 | 11.69 | 644.71 |
| PZ-2 | 4/23/2021 | 651.36 | 6.72 | 644.64 |
| PZ-3 | 4/23/2021 | 648.96 | 4.18 | 644.78 |
| PZ-4 | 4/23/2021 | 649.13 | 4.58 | 644.55 |
| PZ-5 | 4/23/2021 | 661.98 | 17.29 | 644.69 |
| PZ-6 | 4/23/2021 | 660.78 | 16.14 | 644.64 |
| Lytle Rd. Hand Pump | NM | NM | NM | NM |

Notes:

NM = Not Measured

1. Top of Casing elevation surveyed by Coulee Region Land Surveyors, Inc. on April 22, 2003.

MW-1SR and Pretasky well were surveyed on April 13, 2004. MW-16S, MW-16M, MW-17S and MW-17M, and MW-5S were surveyed on March 23, 2006.

2. Top of Casing elevation re-surveyed by Braun Intertec on December 22, 2015.

By: S. Ossek

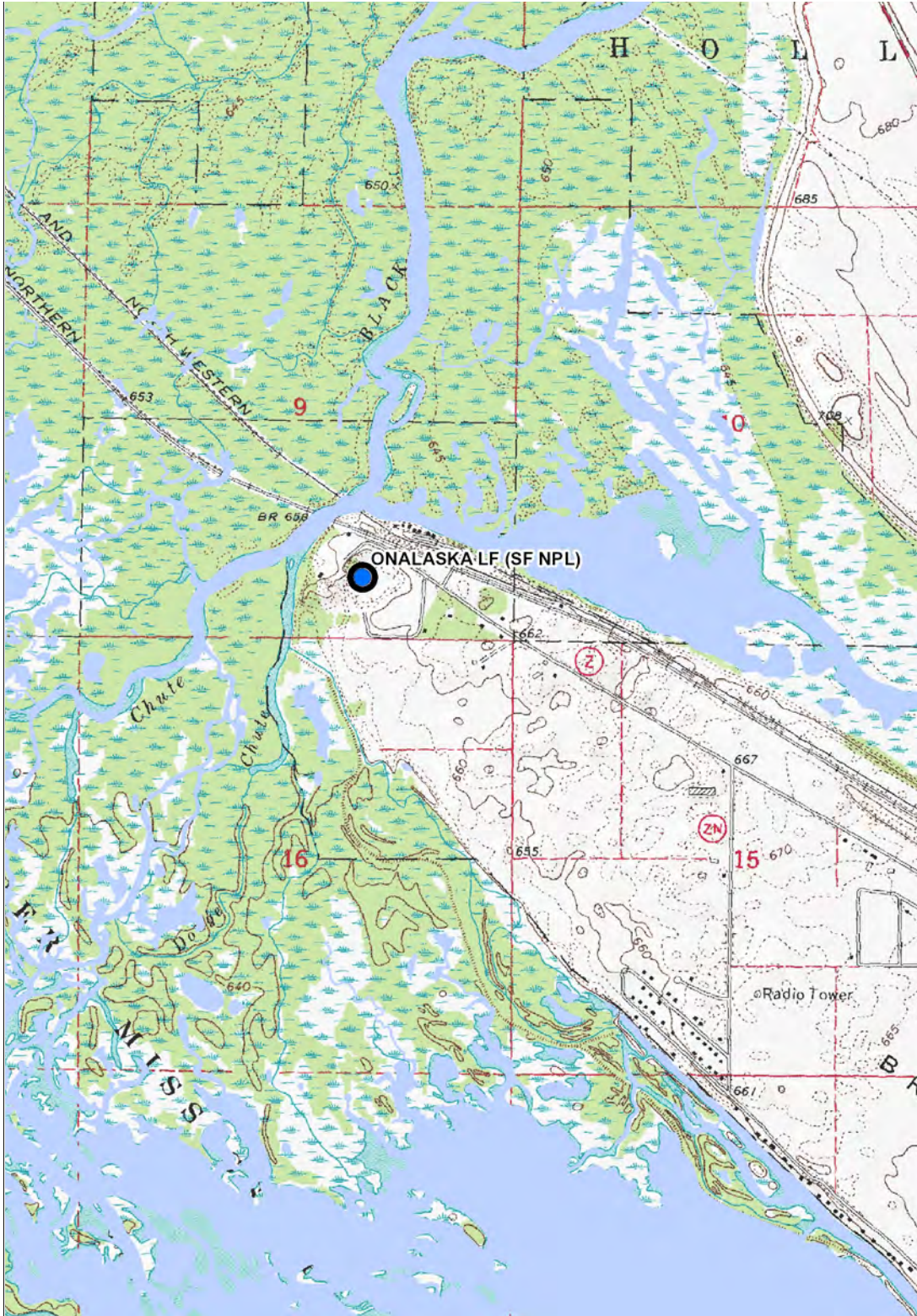
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FIGURES

- 1 SITE LOCATION MAP
- 2 SITE PLAN VIEW
- 3 GROUNDWATER CONTOUR MAP – SHALLOW – APRIL 23, 2021
- 4 GROUNDWATER CONTOUR MAP – MID DEPTH – APRIL 23, 2021
- 5 GROUNDWATER MANGANESE ISOCONCENTRATION – SHALLOW – APRIL 26-30, 2021
- 6 GROUNDWATER MANGANESE ISOCONCENTRATION – MID DEPTH – APRIL 26-30, 2021
- 7 GROUNDWATER ARSENIC ISOCONCENTRATION – SHALLOW – APRIL 26-30, 2021
- 8 GROUNDWATER ARSENIC ISOCONCENTRATION – MID DEPTH – APRIL 26-30, 2021



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



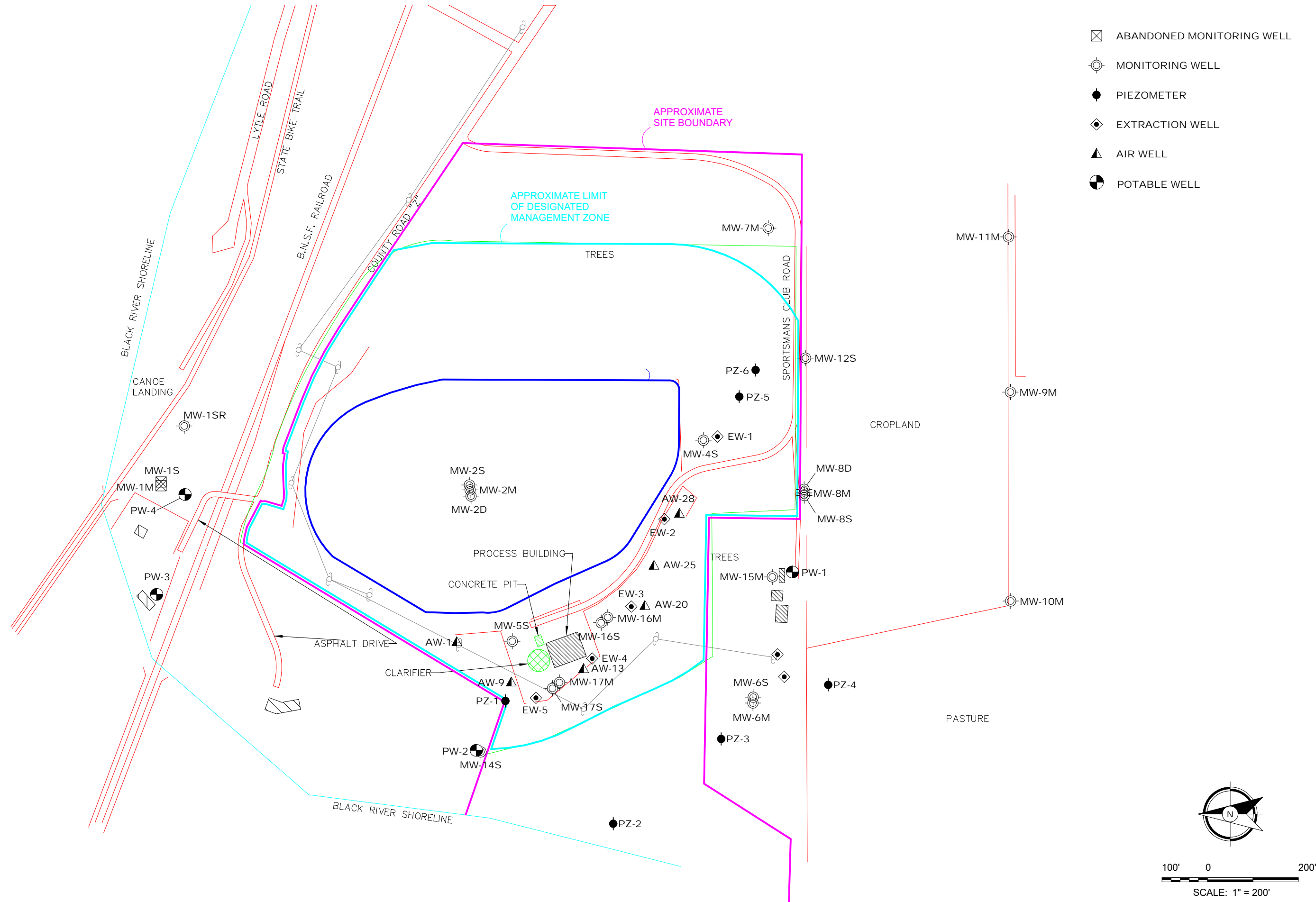
NAD_1983_HARN_Wisconsin_TM

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Note: Not all sites are mapped.

Notes

OnalaskaLandfillWDPNR_CADD\Onalaska_Landfill2\GW_As_Oct18



- ☒ ABANDONED MONITORING WELL
- ⊙ MONITORING WELL
- PIEZOMETER
- ◆ EXTRACTION WELL
- ▲ AIR WELL
- ◐ POTABLE WELL



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

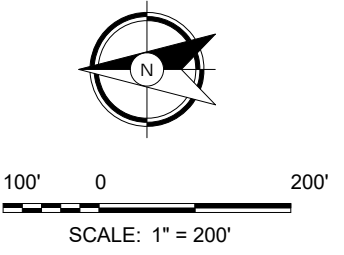
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Project No: 1701119

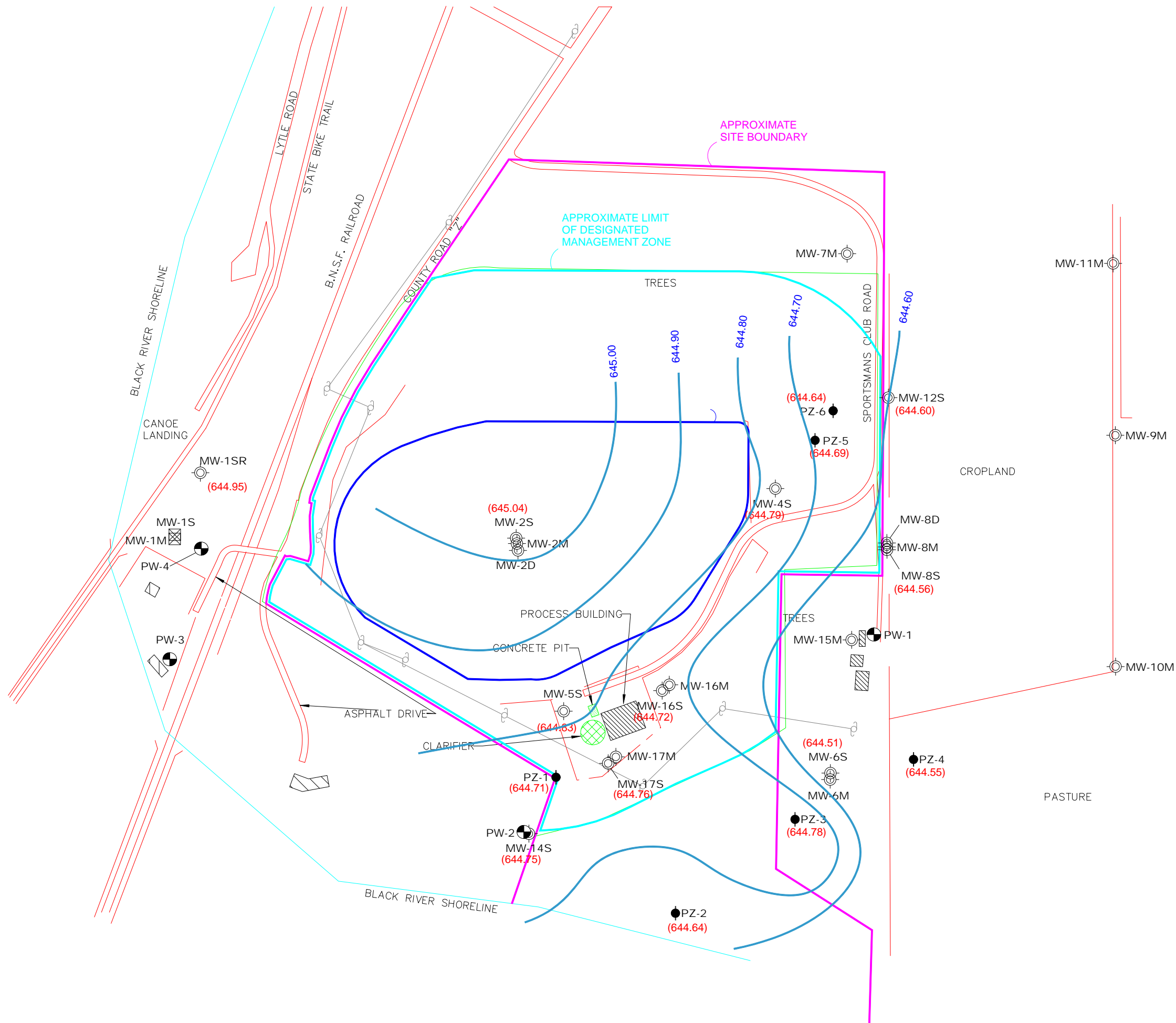
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Sheet: 1 of 1 Fig: **2**



OnalaskaLandfillWDR_CADD\Onalaska_Landfill\GW_As_Oct18



- ☒ ABANDONED MONITORING WELL
- ⊙ MONITORING WELL
- PIEZOMETER
- ◐ POTABLE WELL
- (645) GROUNDWATER ELEVATION

Groundwater Contour Map - Shallow - April 23, 2021
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

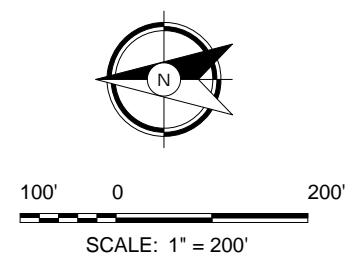
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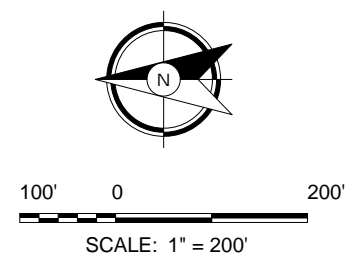
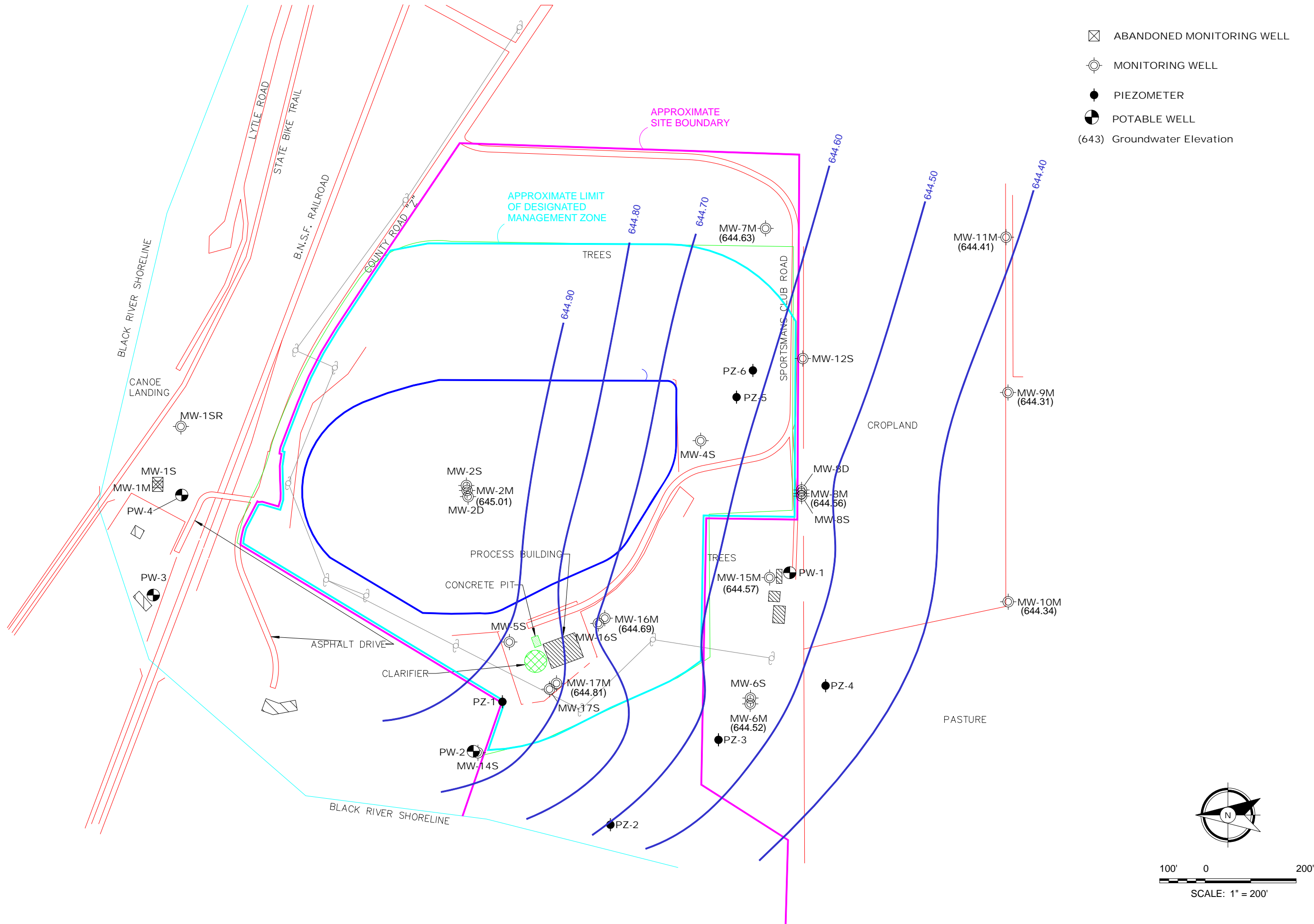
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Sheet: 1 of 1 Fig: **3**



OnalaskaLandfillWDPNR_CADD\Onalaska_Landfill\2\GW_As_Oct18



Groundwater Contour Map - Mid Depth - April 23, 2021
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

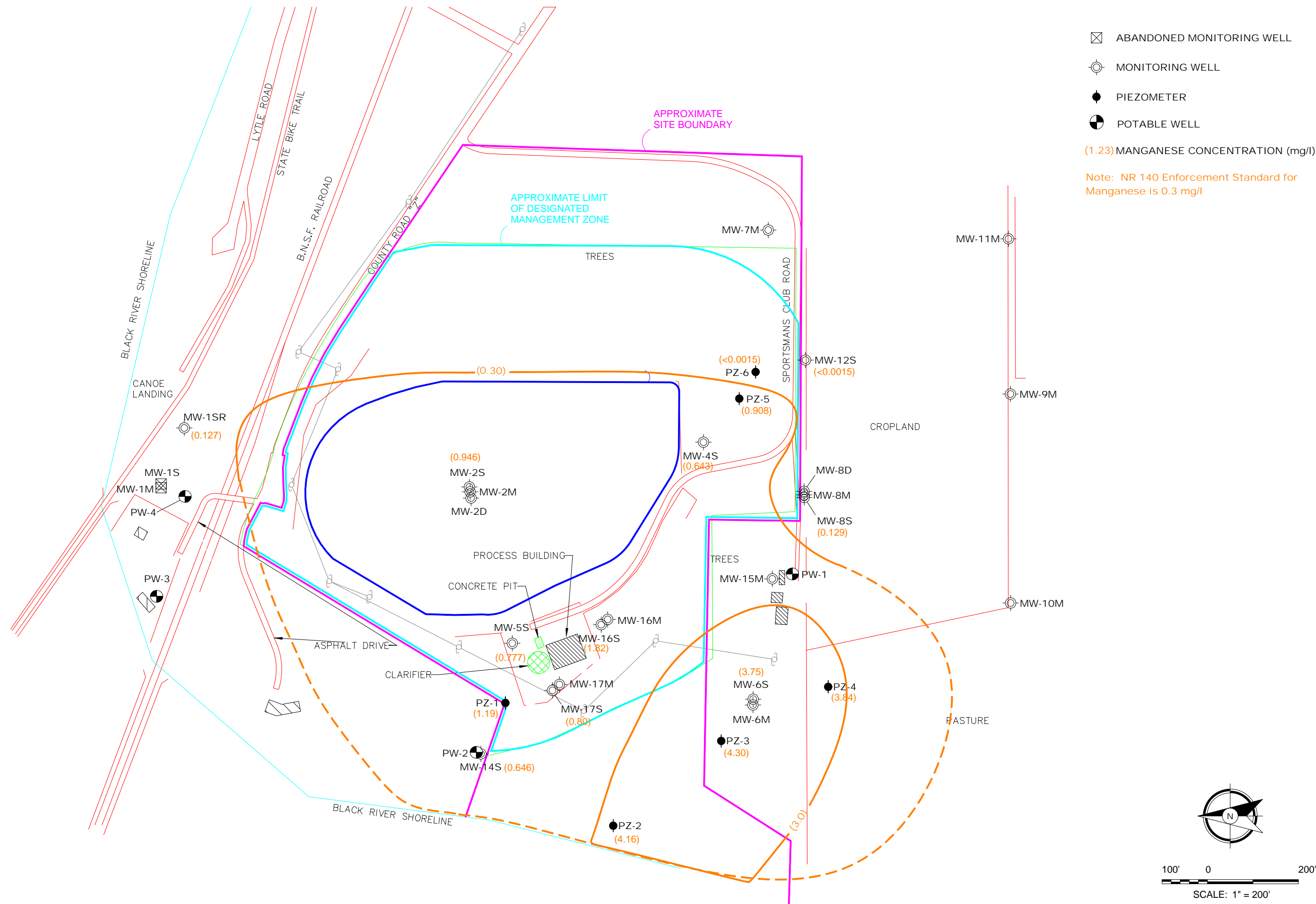
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 Checked By: JCS
 Last Modified: 4/23/21

Sheet: 1 of 1 Fig: 4



- ☒ ABANDONED MONITORING WELL
 - ⊙ MONITORING WELL
 - PIEZOMETER
 - ⊕ POTABLE WELL
- (1.23) MANGANESE CONCENTRATION (mg/l)

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

Groundwater Manganese Isoconcentration - Shallow - April 26-30, 2021
 Onalaska Municipal Landfill
 Sportsman Club Road
 Onalaska, WI

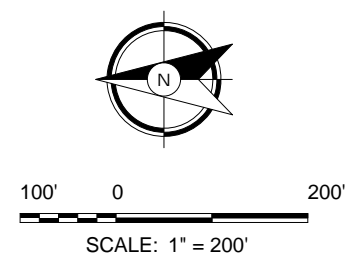
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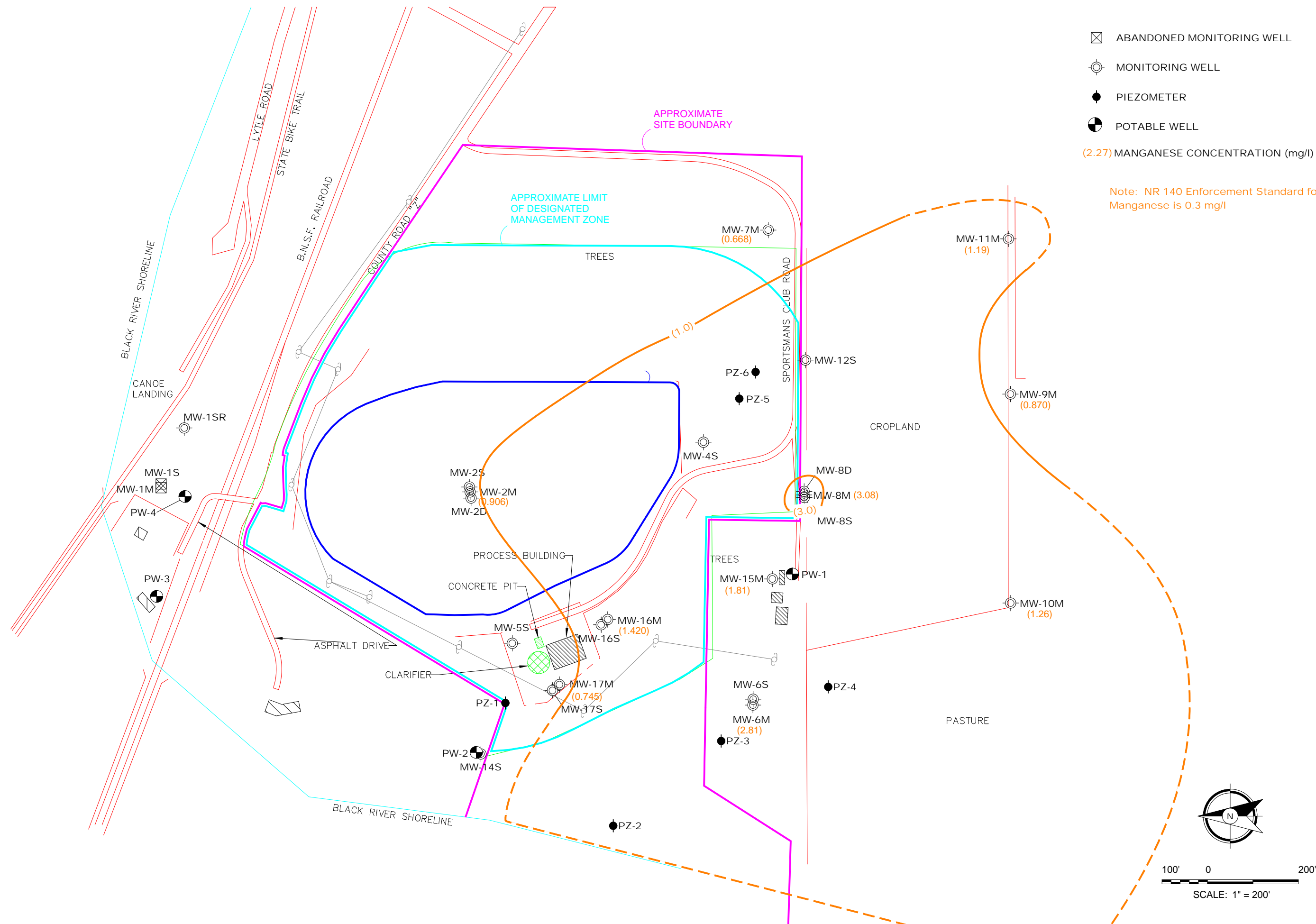
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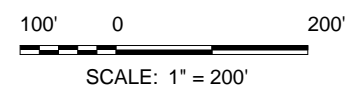
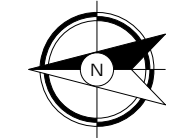
Sheet: 1 of 1 Fig: 5





- ☒ ABANDONED MONITORING WELL
 - ⊙ MONITORING WELL
 - PIEZOMETER
 - ◐ POTABLE WELL
- (2.27) MANGANESE CONCENTRATION (mg/l)

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



Groundwater Manganese Isoconcentration - Mid Depth - April 26-30, 2021
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

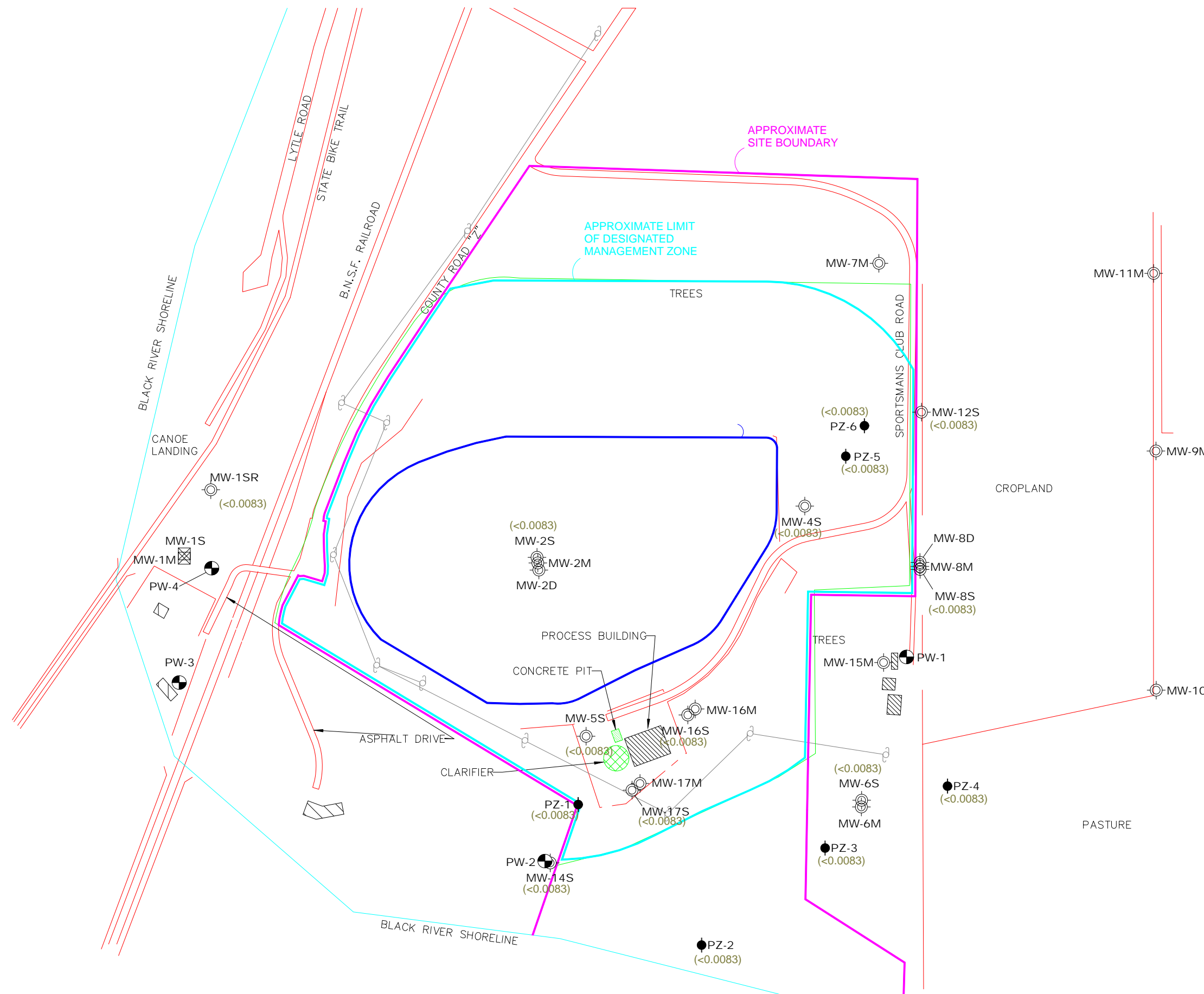
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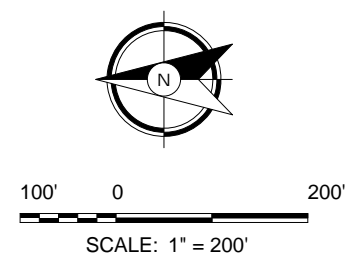
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Sheet: 1 of 1 Fig: **6**



- ABANDONED MONITORING WELL
 - MONITORING WELL
 - PIEZOMETER
 - POTABLE WELL
- (0.01) ARSENIC CONCENTRATION (mg/l)

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



Groundwater Arsenic Isoconcentration - Shallow - April 26-30, 2021
 Onalaska Municipal Landfill
 Sportsman Club Road
 Onalaska, WI

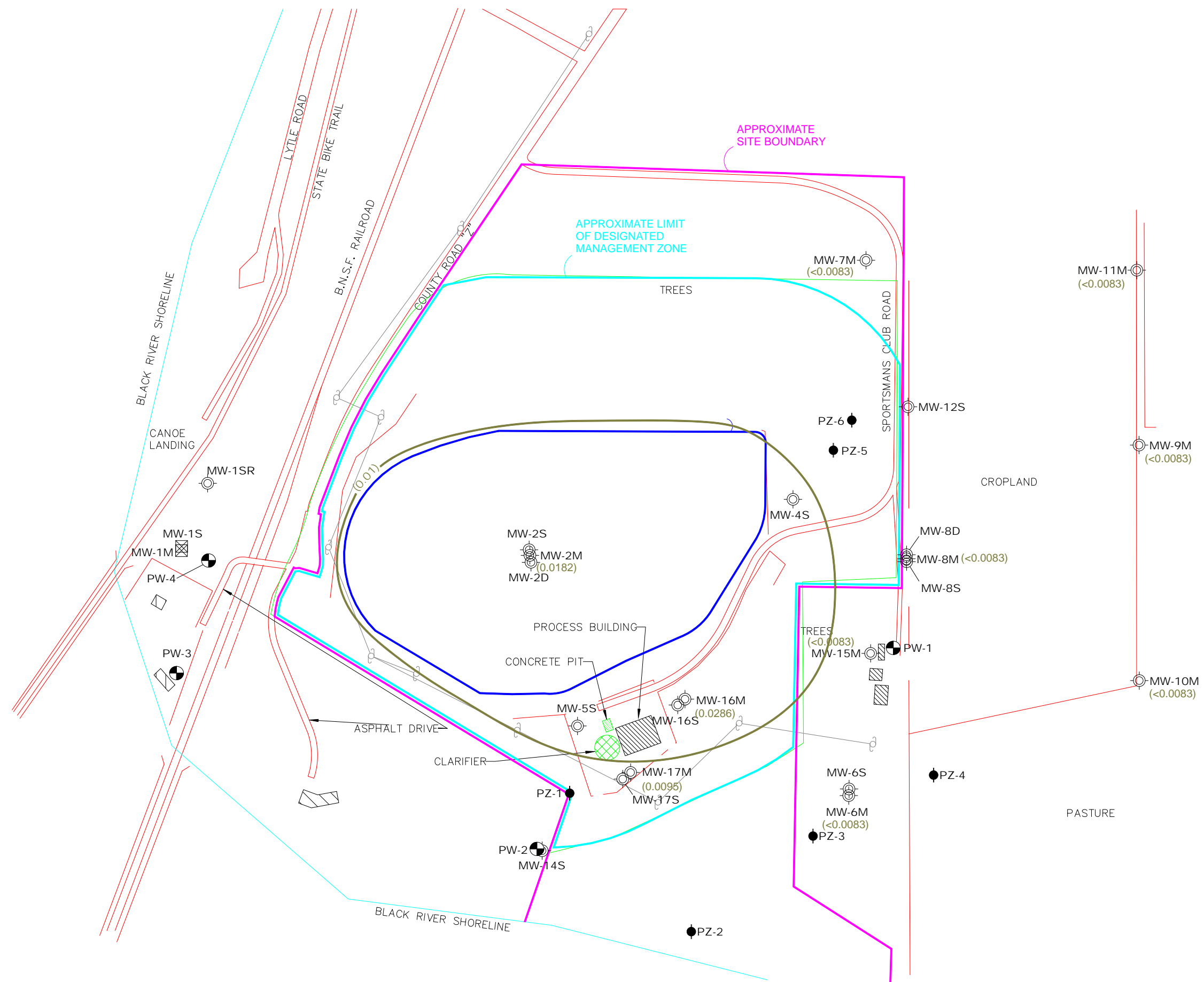
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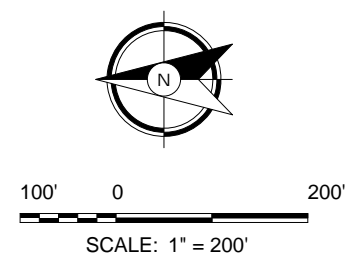
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Sheet: 1 of 1 Fig: 7



- ☒ ABANDONED MONITORING WELL
 - ⊙ MONITORING WELL
 - PIEZOMETER
 - ⊙ POTABLE WELL
- (0.01) ARSENIC CONCENTRATION (mg/l)
- Note: NR 140 Enforcement Standard for Arsenic is 0.01 mg/l



Groundwater Arsenic Isoconcentration - Mid Depth - April 26-30, 2021
Onalaska Municipal Landfill
Sportsman Club Road
Onalaska, WI

Base Dwg Provided By:
 WISCONSIN DEPARTMENT
 OF NATURAL RESOURCES

Project No: 1701119

Drawing No:

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 Date Drawn: 05/25/21
 Checked By: JCS
 Last Modified: 05/25/21

Sheet: 1 of 1 Fig: 8

APPENDIX A

GROUNDWATER SAMPLING SCHEDULE

Groundwater Sampling Schedule – Onalaska Landfill

Sampling shall be conducted in July, November and April (2021) of this contract year according to the following schedule. The first round of sampling shall be conducted no later than July 31, 2020. Wells to be sampled for VOCs, metals, alkalinity (July & April rounds only), total organic carbon, and field parameters are:

| | |
|------------------------------------|---|
| July & November 2020 & April 2021: | MW-4S, MW-5S, MW-17S, PZ-5, PZ-6 |
| July 2020 & April 2021: | 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:

| | |
|-------------------------|--|
| July 2020 & April 2021: | MW-1SR, MW-2S, MW-2M, MW-7M, MW-9M, MW-10M, MW-11M, MW-15M, 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 private water supply wells shall be sampled during the October 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

May 24, 2021

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

RE: Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Dear Steve Osesek:

Enclosed are the analytical results for sample(s) received by the laboratory between April 29, 2021 and May 05, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: John Storlie, The OS Group, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------|--------|----------------|----------------|
| 40226033001 | MW-1SR | Water | 04/26/21 15:19 | 04/29/21 09:30 |
| 40226033002 | MW-4S | Water | 04/26/21 15:52 | 04/29/21 09:30 |
| 40226033003 | MW-6S | Water | 04/27/21 14:18 | 04/29/21 09:30 |
| 40226033004 | MW-6M | Water | 04/27/21 14:36 | 04/29/21 09:30 |
| 40226033005 | MW-7M | Water | 04/26/21 12:47 | 04/29/21 09:30 |
| 40226033006 | MW-8S | Water | 04/26/21 14:23 | 04/29/21 09:30 |
| 40226033007 | MW-8M | Water | 04/26/21 14:02 | 04/29/21 09:30 |
| 40226033008 | MW-9M | Water | 04/27/21 10:51 | 04/29/21 09:30 |
| 40226033009 | MW-11M | Water | 04/27/21 10:14 | 04/29/21 09:30 |
| 40226033010 | MW-10M | Water | 04/27/21 11:59 | 04/29/21 09:30 |
| 40226033011 | MW-12S | Water | 04/26/21 12:00 | 04/29/21 09:30 |
| 40226033012 | PZ-3 | Water | 04/27/21 13:45 | 04/29/21 09:30 |
| 40226033013 | PZ-4 | Water | 04/27/21 12:33 | 04/29/21 09:30 |
| 40226033014 | PZ-5 | Water | 04/26/21 11:07 | 04/29/21 09:30 |
| 40226033015 | PZ-6 | Water | 04/26/21 11:25 | 04/29/21 09:30 |
| 40226033016 | PW-2 | Water | 04/28/21 12:25 | 04/29/21 09:30 |
| 40226033017 | PW-3 | Water | 04/28/21 12:10 | 04/29/21 09:30 |
| 40226033018 | PW-4 | Water | 04/28/21 12:00 | 04/29/21 09:30 |
| 40226033019 | PW-5 | Water | 04/28/21 12:40 | 04/29/21 09:30 |
| 40226033020 | PW-6 | Water | 04/28/21 12:50 | 04/29/21 09:30 |
| 40226033021 | MW-11M DUP | Water | 04/27/21 00:00 | 04/29/21 09:30 |
| 40226033022 | MW-6S DUP | Water | 04/27/21 00:00 | 04/29/21 09:30 |
| 40226033023 | TRIP BLANK | Water | 04/26/21 10:00 | 04/29/21 09:30 |
| 40226033024 | MW-15M | Water | 04/26/21 13:40 | 04/29/21 09:30 |
| 40226352001 | MW-2S | Water | 04/29/21 15:23 | 05/05/21 09:45 |
| 40226352002 | MW-2M | Water | 04/29/21 15:37 | 05/05/21 09:45 |
| 40226352003 | MW-5S | Water | 04/29/21 16:23 | 05/05/21 09:45 |
| 40226352004 | MW-14S | Water | 04/29/21 13:58 | 05/05/21 09:45 |
| 40226352005 | MW-16S | Water | 04/30/21 11:13 | 05/05/21 09:45 |
| 40226352006 | MW-16M | Water | 04/30/21 11:42 | 05/05/21 09:45 |
| 40226352007 | MW-17S | Water | 04/30/21 10:21 | 05/05/21 09:45 |
| 40226352008 | MW-17M | Water | 04/30/21 10:34 | 05/05/21 09:45 |
| 40226352009 | PZ-1 | Water | 04/29/21 14:32 | 05/05/21 09:45 |
| 40226352010 | PZ-2 | Water | 04/29/21 13:36 | 05/05/21 09:45 |
| 40226352011 | PW-1 | Water | 04/29/21 16:50 | 05/05/21 09:45 |
| 40226352012 | MW-17S DUP | Water | 04/30/21 00:00 | 05/05/21 09:45 |
| 40226352013 | MW-16S DUP | Water | 04/30/21 00:00 | 05/05/21 09:45 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|-----------|----------|-------------------|------------|
| 40226033001 | MW-1SR | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226033002 | MW-4S | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| 40226033003 | MW-6S | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| | | | VGC | 9 | PASI-G |
| 40226033004 | MW-6M | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| 40226033005 | MW-7M | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| 40226033006 | MW-8S | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| 40226033007 | MW-8M | EPA 8260 | SMT | 57 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|-----------|----------|-------------------|------------|
| 40226033008 | MW-9M | | VGC | 8 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| 40226033009 | MW-11M | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| 40226033010 | MW-10M | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| 40226033011 | MW-12S | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| 40226033012 | PZ-3 | EPA 8260 | SMT | 57 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| 40226033013 | PZ-4 | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| 40226033014 | PZ-5 | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|------------|-----------|----------|-------------------|------------|
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226033015 | PZ-6 | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226033016 | PW-2 | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| 40226033017 | PW-3 | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| 40226033018 | PW-4 | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| 40226033019 | PW-5 | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| 40226033020 | PW-6 | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| 40226033021 | MW-11M DUP | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226033022 | MW-6S DUP | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226033023 | TRIP BLANK | EPA 8260 | SMT | 57 | PASI-G |
| 40226033024 | MW-15M | EPA 6010 | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|-----------|----------|-------------------|------------|
| 40226352001 | MW-2S | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |
| 40226352002 | MW-2M | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |
| 40226352003 | MW-5S | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | SMT | 57 | PASI-G |
| 40226352004 | MW-14S | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| 40226352005 | MW-16S | EPA 8260 | LAP | 57 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| | | EPA 6010D | TXW | 8 | PASI-G |
| 40226352006 | MW-16M | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | LAP | 57 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226352007 | MW-17S | EPA 6010D | TXW | 8 | PASI-G |

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SAMPLE ANALYTE COUNT

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|------------|-----------|----------|-------------------|------------|
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | LAP | 57 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226352008 | MW-17M | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226352009 | PZ-1 | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226352010 | PZ-2 | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | | VGC | 9 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |
| 40226352011 | PW-1 | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | LAP | 57 | PASI-G |
| 40226352012 | MW-17S DUP | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| 40226352013 | MW-16S DUP | EPA 6010D | TXW | 8 | PASI-G |
| | | EPA 7470 | AJT | 1 | PASI-G |
| | | EPA 8260 | LAP | 57 | PASI-G |
| | | EPA 310.2 | DAW | 1 | PASI-G |
| | | EPA 9060 | TJJ | 5 | PASI-G |

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226033001 | MW-1SR | | | | | |
| EPA 6010 | Barium, Dissolved | 23.1 | ug/L | 5.0 | 05/04/21 14:35 | |
| EPA 6010 | Iron, Dissolved | 90.8J | ug/L | 100 | 05/04/21 14:35 | |
| EPA 6010 | Manganese, Dissolved | 127 | ug/L | 5.0 | 05/04/21 14:35 | |
| | Field pH | 7.22 | Std. Units | | 04/26/21 15:19 | |
| | Field Specific Conductance | 154.0 | umhos/cm | | 04/26/21 15:19 | |
| | Oxygen, Dissolved | 2.15 | mg/L | | 04/26/21 15:19 | |
| | REDOX | -3.8 | mV | | 04/26/21 15:19 | |
| | Turbidity | N | no units | | 04/26/21 15:19 | |
| | Static Water Level | 644.95 | feet | | 04/26/21 15:19 | |
| | Apparent Color | N | no units | | 04/26/21 15:19 | |
| | Odor | N | no units | | 04/26/21 15:19 | |
| | Temperature, Water (C) | 8.37 | deg C | | 04/26/21 15:19 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 104 | mg/L | 24.8 | 04/30/21 13:03 | |
| EPA 9060 | Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 16:58 | |
| EPA 9060 | Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 16:58 | |
| EPA 9060 | Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 16:58 | |
| EPA 9060 | Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 16:58 | |
| EPA 9060 | Mean Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 16:58 | |
| 40226033002 | MW-4S | | | | | |
| EPA 6010 | Barium, Dissolved | 196 | ug/L | 5.0 | 05/04/21 14:44 | |
| EPA 6010 | Iron, Dissolved | 7340 | ug/L | 100 | 05/04/21 14:44 | |
| EPA 6010 | Manganese, Dissolved | 643 | ug/L | 5.0 | 05/04/21 14:44 | |
| EPA 8260 | 1,2,4-Trimethylbenzene | 156 | ug/L | 2.5 | 05/01/21 00:13 | |
| EPA 8260 | Isopropylbenzene (Cumene) | 4.8J | ug/L | 12.5 | 05/01/21 00:13 | |
| EPA 8260 | n-Butylbenzene | 2.9 | ug/L | 2.5 | 05/01/21 00:13 | |
| EPA 8260 | n-Propylbenzene | 7.1 | ug/L | 2.5 | 05/01/21 00:13 | |
| EPA 8260 | p-Isopropyltoluene | 3.3J | ug/L | 12.5 | 05/01/21 00:13 | |
| EPA 8260 | sec-Butylbenzene | 8.4 | ug/L | 2.5 | 05/01/21 00:13 | |
| | Field pH | 7.08 | Std. Units | | 04/26/21 15:52 | |
| | Field Specific Conductance | 308.0 | umhos/cm | | 04/26/21 15:52 | |
| | Oxygen, Dissolved | 1.37 | mg/L | | 04/26/21 15:52 | |
| | REDOX | -98.0 | mV | | 04/26/21 15:52 | |
| | Turbidity | N | no units | | 04/26/21 15:52 | |
| | Static Water Level | 644.79 | feet | | 04/26/21 15:52 | |
| | Apparent Color | N | no units | | 04/26/21 15:52 | |
| | Odor | N | no units | | 04/26/21 15:52 | |
| | Temperature, Water (C) | 9.67 | deg C | | 04/26/21 15:52 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 230 | mg/L | 24.8 | 04/30/21 13:04 | |
| EPA 9060 | Total Organic Carbon | 2.3 | mg/L | 0.50 | 05/04/21 18:06 | |
| EPA 9060 | Total Organic Carbon | 2.3 | mg/L | 0.50 | 05/04/21 18:06 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/04/21 18:06 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/04/21 18:06 | |
| EPA 9060 | Mean Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/04/21 18:06 | |
| 40226033003 | MW-6S | | | | | |
| EPA 6010 | Barium, Dissolved | 276 | ug/L | 5.0 | 05/04/21 14:54 | |
| EPA 6010 | Cobalt, Dissolved | 1.6J | ug/L | 5.0 | 05/04/21 14:54 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226033003 | MW-6S | | | | | |
| EPA 6010 | Iron, Dissolved | 225 | ug/L | 100 | 05/04/21 14:54 | |
| EPA 6010 | Manganese, Dissolved | 3770 | ug/L | 5.0 | 05/04/21 14:54 | |
| EPA 8260 | tert-Butylbenzene | 2.8 | ug/L | 1.0 | 04/30/21 19:21 | |
| | Field pH | 7.23 | Std. Units | | 04/27/21 14:18 | |
| | Field Specific Conductance | 296.0 | umhos/cm | | 04/27/21 14:18 | |
| | Oxygen, Dissolved | 1.43 | mg/L | | 04/27/21 14:18 | |
| | REDOX | -9.7 | mV | | 04/27/21 14:18 | |
| | Turbidity | N | no units | | 04/27/21 14:18 | |
| | Static Water Level | 644.51 | feet | | 04/27/21 14:18 | |
| | Apparent Color | N | no units | | 04/27/21 14:18 | |
| | Odor | N | no units | | 04/27/21 14:18 | |
| | Temperature, Water (C) | 9.20 | deg C | | 04/27/21 14:18 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 237 | mg/L | 24.8 | 04/30/21 13:18 | |
| EPA 9060 | Total Organic Carbon | 3.2 | mg/L | 0.50 | 05/04/21 19:36 | |
| EPA 9060 | Total Organic Carbon | 3.2 | mg/L | 0.50 | 05/04/21 19:36 | |
| EPA 9060 | Total Organic Carbon | 3.2 | mg/L | 0.50 | 05/04/21 19:36 | |
| EPA 9060 | Total Organic Carbon | 3.3 | mg/L | 0.50 | 05/04/21 19:36 | |
| EPA 9060 | Mean Total Organic Carbon | 3.2 | mg/L | 0.50 | 05/04/21 19:36 | |
| 40226033004 | MW-6M | | | | | |
| EPA 6010 | Barium, Dissolved | 1670 | ug/L | 5.0 | 05/04/21 14:57 | |
| EPA 6010 | Cobalt, Dissolved | 2.3J | ug/L | 5.0 | 05/04/21 14:57 | |
| EPA 6010 | Iron, Dissolved | 74.3J | ug/L | 100 | 05/04/21 14:57 | |
| EPA 6010 | Manganese, Dissolved | 2810 | ug/L | 5.0 | 05/04/21 14:57 | |
| EPA 8260 | tert-Butylbenzene | 0.67J | ug/L | 1.0 | 04/30/21 19:40 | |
| | Field pH | 7.35 | Std. Units | | 04/27/21 14:36 | |
| | Field Specific Conductance | 261.0 | umhos/cm | | 04/27/21 14:36 | |
| | Oxygen, Dissolved | 0.99 | mg/L | | 04/27/21 14:36 | |
| | REDOX | -12.7 | mV | | 04/27/21 14:36 | |
| | Turbidity | N | no units | | 04/27/21 14:36 | |
| | Static Water Level | 644.52 | feet | | 04/27/21 14:36 | |
| | Apparent Color | N | no units | | 04/27/21 14:36 | |
| | Odor | N | no units | | 04/27/21 14:36 | |
| | Temperature, Water (C) | 10.32 | deg C | | 04/27/21 14:36 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 202 | mg/L | 24.8 | 04/30/21 13:19 | |
| EPA 9060 | Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 19:59 | |
| EPA 9060 | Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 19:59 | |
| EPA 9060 | Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 19:59 | |
| EPA 9060 | Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 19:59 | |
| EPA 9060 | Mean Total Organic Carbon | 2.7 | mg/L | 0.50 | 05/04/21 19:59 | |
| 40226033005 | MW-7M | | | | | |
| EPA 6010 | Barium, Dissolved | 278 | ug/L | 5.0 | 05/04/21 14:59 | |
| EPA 6010 | Iron, Dissolved | 2010 | ug/L | 100 | 05/04/21 14:59 | |
| EPA 6010 | Manganese, Dissolved | 668 | ug/L | 5.0 | 05/04/21 14:59 | |
| | Field pH | 7.64 | Std. Units | | 04/26/21 12:47 | |
| | Field Specific Conductance | 271.0 | umhos/cm | | 04/26/21 12:47 | |
| | Oxygen, Dissolved | 2.25 | mg/L | | 04/26/21 12:47 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
 Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226033005 | MW-7M | | | | | |
| | REDOX | -148.7 | mV | | 04/26/21 12:47 | |
| | Turbidity | N | no units | | 04/26/21 12:47 | |
| | Static Water Level | 644.63 | feet | | 04/26/21 12:47 | |
| | Apparent Color | N | no units | | 04/26/21 12:47 | |
| | Odor | N | no units | | 04/26/21 12:47 | |
| | Temperature, Water (C) | 10.38 | deg C | | 04/26/21 12:47 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 212 | mg/L | 24.8 | 04/30/21 13:05 | |
| EPA 9060 | Total Organic Carbon | 1.4 | mg/L | 0.50 | 05/04/21 20:22 | |
| EPA 9060 | Total Organic Carbon | 1.4 | mg/L | 0.50 | 05/04/21 20:22 | |
| EPA 9060 | Total Organic Carbon | 1.4 | mg/L | 0.50 | 05/04/21 20:22 | |
| EPA 9060 | Total Organic Carbon | 1.4 | mg/L | 0.50 | 05/04/21 20:22 | |
| EPA 9060 | Mean Total Organic Carbon | 1.4 | mg/L | 0.50 | 05/04/21 20:22 | |
| 40226033006 | MW-8S | | | | | |
| EPA 6010 | Barium, Dissolved | 32.0 | ug/L | 5.0 | 05/04/21 15:02 | |
| EPA 6010 | Manganese, Dissolved | 129 | ug/L | 5.0 | 05/04/21 15:02 | |
| | Field pH | 7.27 | Std. Units | | 04/26/21 14:23 | |
| | Field Specific Conductance | 303.0 | umhos/cm | | 04/26/21 14:23 | |
| | Oxygen, Dissolved | 4.18 | mg/L | | 04/26/21 14:23 | |
| | REDOX | -40.5 | mV | | 04/26/21 14:23 | |
| | Turbidity | N | no units | | 04/26/21 14:23 | |
| | Static Water Level | 644.56 | feet | | 04/26/21 14:23 | |
| | Apparent Color | N | no units | | 04/26/21 14:23 | |
| | Odor | N | no units | | 04/26/21 14:23 | |
| | Temperature, Water (C) | 8.69 | deg C | | 04/26/21 14:23 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 249 | mg/L | 24.8 | 04/30/21 13:06 | |
| EPA 9060 | Total Organic Carbon | 1.3 | mg/L | 0.50 | 05/04/21 20:43 | |
| EPA 9060 | Total Organic Carbon | 1.3 | mg/L | 0.50 | 05/04/21 20:43 | |
| EPA 9060 | Total Organic Carbon | 1.3 | mg/L | 0.50 | 05/04/21 20:43 | |
| EPA 9060 | Total Organic Carbon | 1.3 | mg/L | 0.50 | 05/04/21 20:43 | |
| EPA 9060 | Mean Total Organic Carbon | 1.3 | mg/L | 0.50 | 05/04/21 20:43 | |
| 40226033007 | MW-8M | | | | | |
| EPA 6010 | Barium, Dissolved | 763 | ug/L | 5.0 | 05/04/21 15:04 | |
| EPA 6010 | Iron, Dissolved | 264 | ug/L | 100 | 05/04/21 15:04 | |
| EPA 6010 | Manganese, Dissolved | 3080 | ug/L | 5.0 | 05/04/21 15:04 | |
| EPA 8260 | sec-Butylbenzene | 2.1 | ug/L | 1.0 | 04/30/21 20:19 | |
| | Field Specific Conductance | 6.0 | umhos/cm | | 04/26/21 14:02 | |
| | Oxygen, Dissolved | 1.69 | mg/L | | 04/26/21 14:02 | |
| | REDOX | 136.6 | mV | | 04/26/21 14:02 | |
| | Turbidity | N | no units | | 04/26/21 14:02 | |
| | Static Water Level | 644.56 | feet | | 04/26/21 14:02 | |
| | Apparent Color | N | no units | | 04/26/21 14:02 | |
| | Odor | N | no units | | 04/26/21 14:02 | |
| | Temperature, Water (C) | 10.28 | deg C | | 04/26/21 14:02 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 251 | mg/L | 24.8 | 04/30/21 13:07 | |
| EPA 9060 | Total Organic Carbon | 2.2 | mg/L | 0.50 | 05/04/21 21:04 | |
| EPA 9060 | Total Organic Carbon | 2.2 | mg/L | 0.50 | 05/04/21 21:04 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226033007 | MW-8M | | | | | |
| EPA 9060 | Total Organic Carbon | 2.3 | mg/L | 0.50 | 05/04/21 21:04 | |
| EPA 9060 | Total Organic Carbon | 2.3 | mg/L | 0.50 | 05/04/21 21:04 | |
| EPA 9060 | Mean Total Organic Carbon | 2.3 | mg/L | 0.50 | 05/04/21 21:04 | |
| 40226033008 | MW-9M | | | | | |
| EPA 6010 | Barium, Dissolved | 167 | ug/L | 5.0 | 05/04/21 15:06 | |
| EPA 6010 | Iron, Dissolved | 2360 | ug/L | 100 | 05/04/21 15:06 | |
| EPA 6010 | Manganese, Dissolved | 870 | ug/L | 5.0 | 05/04/21 15:06 | |
| | Field pH | 7.62 | Std. Units | | 04/27/21 10:51 | |
| | Field Specific Conductance | 296.0 | umhos/cm | | 04/27/21 10:51 | |
| | Oxygen, Dissolved | 1.79 | mg/L | | 04/27/21 10:51 | |
| | REDOX | 334.6 | mV | | 04/27/21 10:51 | |
| | Turbidity | N | no units | | 04/27/21 10:51 | |
| | Static Water Level | 644.31 | feet | | 04/27/21 10:51 | |
| | Apparent Color | N | no units | | 04/27/21 10:51 | |
| | Odor | N | no units | | 04/27/21 10:51 | |
| | Temperature, Water (C) | 10.92 | deg C | | 04/27/21 10:51 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 197 | mg/L | 24.8 | 04/30/21 13:20 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/04/21 21:26 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/04/21 21:26 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/04/21 21:26 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/04/21 21:26 | |
| EPA 9060 | Mean Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/04/21 21:26 | |
| 40226033009 | MW-11M | | | | | |
| EPA 6010 | Barium, Dissolved | 215 | ug/L | 5.0 | 05/04/21 15:09 | |
| EPA 6010 | Iron, Dissolved | 3070 | ug/L | 100 | 05/04/21 15:09 | |
| EPA 6010 | Manganese, Dissolved | 1190 | ug/L | 5.0 | 05/04/21 15:09 | |
| | Field pH | 7.05 | Std. Units | | 04/27/21 10:14 | |
| | Field Specific Conductance | 291.00 | umhos/cm | | 04/27/21 10:14 | |
| | Oxygen, Dissolved | 3.70 | mg/L | | 04/27/21 10:14 | |
| | REDOX | 65.8 | mV | | 04/27/21 10:14 | |
| | Turbidity | N | no units | | 04/27/21 10:14 | |
| | Static Water Level | 644.41 | feet | | 04/27/21 10:14 | |
| | Apparent Color | N | no units | | 04/27/21 10:14 | |
| | Odor | N | no units | | 04/27/21 10:14 | |
| | Temperature, Water (C) | 10.35 | deg C | | 04/27/21 10:14 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 189 | mg/L | 24.8 | 04/30/21 13:21 | |
| EPA 9060 | Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/04/21 21:48 | |
| EPA 9060 | Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/04/21 21:48 | |
| EPA 9060 | Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/04/21 21:48 | |
| EPA 9060 | Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/04/21 21:48 | |
| EPA 9060 | Mean Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/04/21 21:48 | |
| 40226033010 | MW-10M | | | | | |
| EPA 6010 | Barium, Dissolved | 37.4 | ug/L | 5.0 | 05/04/21 15:11 | |
| EPA 6010 | Manganese, Dissolved | 1260 | ug/L | 5.0 | 05/04/21 15:11 | |
| | Field pH | 7.46 | Std. Units | | 04/27/21 11:59 | |
| | Field Specific Conductance | 233.0 | umhos/cm | | 04/27/21 11:59 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226033010 | MW-10M | | | | | |
| | Oxygen, Dissolved | 1.58 | mg/L | | 04/27/21 11:59 | |
| | REDOX | 327.0 | mV | | 04/27/21 11:59 | |
| | Turbidity | N | no units | | 04/27/21 11:59 | |
| | Static Water Level | 644.34 | feet | | 04/27/21 11:59 | |
| | Apparent Color | N | no units | | 04/27/21 11:59 | |
| | Odor | N | no units | | 04/27/21 11:59 | |
| | Temperature, Water (C) | 10.67 | deg C | | 04/27/21 11:59 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 153 | mg/L | 24.8 | 04/30/21 13:22 | |
| EPA 9060 | Total Organic Carbon | 2.1 | mg/L | 0.50 | 05/04/21 22:09 | |
| EPA 9060 | Total Organic Carbon | 2.1 | mg/L | 0.50 | 05/04/21 22:09 | |
| EPA 9060 | Total Organic Carbon | 2.1 | mg/L | 0.50 | 05/04/21 22:09 | |
| EPA 9060 | Total Organic Carbon | 2.1 | mg/L | 0.50 | 05/04/21 22:09 | |
| EPA 9060 | Mean Total Organic Carbon | 2.1 | mg/L | 0.50 | 05/04/21 22:09 | |
| 40226033011 | MW-12S | | | | | |
| EPA 6010 | Barium, Dissolved | 18.5 | ug/L | 5.0 | 05/04/21 15:14 | |
| | Field pH | 7.36 | Std. Units | | 04/26/21 12:00 | |
| | Field Specific Conductance | 270.0 | umhos/cm | | 04/26/21 12:00 | |
| | Oxygen, Dissolved | 5.76 | mg/L | | 04/26/21 12:00 | |
| | REDOX | -18.5 | mV | | 04/26/21 12:00 | |
| | Turbidity | N | no units | | 04/26/21 12:00 | |
| | Static Water Level | 644.60 | feet | | 04/26/21 12:00 | |
| | Apparent Color | N | no units | | 04/26/21 12:00 | |
| | Odor | N | no units | | 04/26/21 12:00 | |
| | Temperature, Water (C) | 8.89 | deg C | | 04/26/21 12:00 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 225 | mg/L | 24.8 | 04/30/21 13:08 | |
| EPA 9060 | Total Organic Carbon | 0.77 | mg/L | 0.50 | 05/04/21 22:51 | |
| EPA 9060 | Total Organic Carbon | 0.74 | mg/L | 0.50 | 05/04/21 22:51 | |
| EPA 9060 | Total Organic Carbon | 0.73 | mg/L | 0.50 | 05/04/21 22:51 | |
| EPA 9060 | Total Organic Carbon | 0.75 | mg/L | 0.50 | 05/04/21 22:51 | |
| EPA 9060 | Mean Total Organic Carbon | 0.75 | mg/L | 0.50 | 05/04/21 22:51 | |
| 40226033012 | PZ-3 | | | | | |
| EPA 6010 | Barium, Dissolved | 141 | ug/L | 5.0 | 05/04/21 15:21 | |
| EPA 6010 | Iron, Dissolved | 357 | ug/L | 100 | 05/04/21 15:21 | |
| EPA 6010 | Manganese, Dissolved | 4300 | ug/L | 5.0 | 05/04/21 15:21 | |
| | Field pH | 7.36 | Std. Units | | 04/27/21 13:45 | |
| | Field Specific Conductance | 262.0 | umhos/cm | | 04/27/21 13:45 | |
| | Oxygen, Dissolved | 1.30 | mg/L | | 04/27/21 13:45 | |
| | REDOX | -30.4 | mV | | 04/27/21 13:45 | |
| | Turbidity | N | no units | | 04/27/21 13:45 | |
| | Static Water Level | 644.78 | feet | | 04/27/21 13:45 | |
| | Apparent Color | N | no units | | 04/27/21 13:45 | |
| | Odor | N | no units | | 04/27/21 13:45 | |
| | Temperature, Water (C) | 9.30 | deg C | | 04/27/21 13:45 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 232 | mg/L | 24.8 | 04/30/21 13:23 | |
| EPA 9060 | Total Organic Carbon | 2.0 | mg/L | 0.50 | 05/04/21 23:12 | |
| EPA 9060 | Total Organic Carbon | 2.0 | mg/L | 0.50 | 05/04/21 23:12 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226033012 | PZ-3 | | | | | |
| EPA 9060 | Total Organic Carbon | 2.0 | mg/L | 0.50 | 05/04/21 23:12 | |
| EPA 9060 | Total Organic Carbon | 2.0 | mg/L | 0.50 | 05/04/21 23:12 | |
| EPA 9060 | Mean Total Organic Carbon | 2.0 | mg/L | 0.50 | 05/04/21 23:12 | |
| 40226033013 | PZ-4 | | | | | |
| EPA 6010 | Barium, Dissolved | 273 | ug/L | 5.0 | 05/04/21 15:24 | |
| EPA 6010 | Cobalt, Dissolved | 2.8J | ug/L | 5.0 | 05/04/21 15:24 | |
| EPA 6010 | Iron, Dissolved | 59.7J | ug/L | 100 | 05/04/21 15:24 | |
| EPA 6010 | Manganese, Dissolved | 3840 | ug/L | 5.0 | 05/04/21 15:24 | |
| | Field pH | 7.01 | Std. Units | | 04/27/21 12:33 | |
| | Field Specific Conductance | 371.0 | umhos/cm | | 04/27/21 12:33 | |
| | Oxygen, Dissolved | 1.51 | mg/L | | 04/27/21 12:33 | |
| | REDOX | 34.6 | mV | | 04/27/21 12:33 | |
| | Turbidity | N | no units | | 04/27/21 12:33 | |
| | Static Water Level | 644.55 | feet | | 04/27/21 12:33 | |
| | Apparent Color | N | no units | | 04/27/21 12:33 | |
| | Odor | N | no units | | 04/27/21 12:33 | |
| | Temperature, Water (C) | 9.27 | deg C | | 04/27/21 12:33 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 295 | mg/L | 24.8 | 04/30/21 13:27 | |
| EPA 9060 | Total Organic Carbon | 2.9 | mg/L | 0.50 | 05/04/21 23:34 | |
| EPA 9060 | Total Organic Carbon | 2.9 | mg/L | 0.50 | 05/04/21 23:34 | |
| EPA 9060 | Total Organic Carbon | 3.0 | mg/L | 0.50 | 05/04/21 23:34 | |
| EPA 9060 | Total Organic Carbon | 3.0 | mg/L | 0.50 | 05/04/21 23:34 | |
| EPA 9060 | Mean Total Organic Carbon | 2.9 | mg/L | 0.50 | 05/04/21 23:34 | |
| 40226033014 | PZ-5 | | | | | |
| EPA 6010 | Barium, Dissolved | 117 | ug/L | 5.0 | 05/04/21 15:26 | |
| EPA 6010 | Iron, Dissolved | 4540 | ug/L | 100 | 05/04/21 15:26 | |
| EPA 6010 | Manganese, Dissolved | 908 | ug/L | 5.0 | 05/04/21 15:26 | |
| EPA 8260 | 1,2,4-Trimethylbenzene | 79.8 | ug/L | 1.0 | 05/03/21 12:47 | |
| EPA 8260 | Isopropylbenzene (Cumene) | 1.1J | ug/L | 5.0 | 05/03/21 12:47 | |
| EPA 8260 | n-Butylbenzene | 1.4 | ug/L | 1.0 | 05/03/21 12:47 | |
| EPA 8260 | n-Propylbenzene | 1.2 | ug/L | 1.0 | 05/03/21 12:47 | |
| EPA 8260 | p-Isopropyltoluene | 2.2J | ug/L | 5.0 | 05/03/21 12:47 | |
| EPA 8260 | sec-Butylbenzene | 4.8 | ug/L | 1.0 | 05/03/21 12:47 | |
| EPA 8260 | tert-Butylbenzene | 0.95J | ug/L | 1.0 | 05/03/21 12:47 | |
| | Field pH | 7.22 | Std. Units | | 04/26/21 11:07 | |
| | Field Specific Conductance | 217.0 | umhos/cm | | 04/26/21 11:07 | |
| | Oxygen, Dissolved | 4.70 | mg/L | | 04/26/21 11:07 | |
| | REDOX | -100.9 | mV | | 04/26/21 11:07 | |
| | Turbidity | N | no units | | 04/26/21 11:07 | |
| | Static Water Level | 644.69 | feet | | 04/26/21 11:07 | |
| | Apparent Color | N | no units | | 04/26/21 11:07 | |
| | Odor | N | no units | | 04/26/21 11:07 | |
| | Temperature, Water (C) | 8.85 | deg C | | 04/26/21 11:07 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 184 | mg/L | 24.8 | 04/30/21 13:09 | |
| EPA 9060 | Total Organic Carbon | 0.99 | mg/L | 0.50 | 05/04/21 23:57 | |
| EPA 9060 | Total Organic Carbon | 0.98 | mg/L | 0.50 | 05/04/21 23:57 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226033014 | PZ-5 | | | | | |
| EPA 9060 | Total Organic Carbon | 0.99 | mg/L | 0.50 | 05/04/21 23:57 | |
| EPA 9060 | Total Organic Carbon | 0.98 | mg/L | 0.50 | 05/04/21 23:57 | |
| EPA 9060 | Mean Total Organic Carbon | 0.98 | mg/L | 0.50 | 05/04/21 23:57 | |
| 40226033015 | PZ-6 | | | | | |
| EPA 6010 | Barium, Dissolved | 20.6 | ug/L | 5.0 | 05/04/21 15:29 | |
| | Field pH | 7.36 | Std. Units | | 04/26/21 11:25 | |
| | Field Specific Conductance | 252.0 | umhos/cm | | 04/26/21 11:25 | |
| | Oxygen, Dissolved | 7.75 | mg/L | | 04/26/21 11:25 | |
| | REDOX | -37.4 | mV | | 04/26/21 11:25 | |
| | Turbidity | N | no units | | 04/26/21 11:25 | |
| | Static Water Level | 644.64 | feet | | 04/26/21 11:25 | |
| | Apparent Color | N | no units | | 04/26/21 11:25 | |
| | Odor | N | no units | | 04/26/21 11:25 | |
| | Temperature, Water (C) | 9.04 | deg C | | 04/26/21 11:25 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 218 | mg/L | 24.8 | 04/30/21 13:13 | |
| EPA 9060 | Total Organic Carbon | 0.89 | mg/L | 0.50 | 05/05/21 00:19 | |
| EPA 9060 | Total Organic Carbon | 0.87 | mg/L | 0.50 | 05/05/21 00:19 | |
| EPA 9060 | Total Organic Carbon | 0.88 | mg/L | 0.50 | 05/05/21 00:19 | |
| EPA 9060 | Total Organic Carbon | 0.87 | mg/L | 0.50 | 05/05/21 00:19 | |
| EPA 9060 | Mean Total Organic Carbon | 0.88 | mg/L | 0.50 | 05/05/21 00:19 | |
| 40226033016 | PW-2 | | | | | |
| EPA 6010 | Barium | 126 | ug/L | 5.0 | 05/04/21 18:52 | |
| EPA 6010 | Iron | 186 | ug/L | 100 | 05/10/21 14:36 | |
| EPA 6010 | Manganese | 614 | ug/L | 5.0 | 05/04/21 18:52 | |
| 40226033017 | PW-3 | | | | | |
| EPA 6010 | Iron | 89.8J | ug/L | 100 | 05/10/21 14:41 | |
| 40226033019 | PW-5 | | | | | |
| EPA 6010 | Barium | 26.6 | ug/L | 5.0 | 05/04/21 19:13 | |
| EPA 6010 | Iron | 786 | ug/L | 100 | 05/10/21 14:51 | |
| EPA 6010 | Manganese | 279 | ug/L | 5.0 | 05/04/21 19:13 | |
| 40226033020 | PW-6 | | | | | |
| EPA 6010 | Barium | 44.5 | ug/L | 5.0 | 05/04/21 19:16 | |
| EPA 6010 | Iron | 1390 | ug/L | 100 | 05/10/21 14:53 | |
| EPA 6010 | Manganese | 86.4 | ug/L | 5.0 | 05/04/21 19:16 | |
| 40226033021 | MW-11M DUP | | | | | |
| EPA 6010 | Barium, Dissolved | 208 | ug/L | 5.0 | 05/04/21 15:31 | |
| EPA 6010 | Iron, Dissolved | 2970 | ug/L | 100 | 05/04/21 15:31 | |
| EPA 6010 | Manganese, Dissolved | 1150 | ug/L | 5.0 | 05/04/21 15:31 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 190 | mg/L | 24.8 | 04/30/21 13:28 | |
| EPA 9060 | Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/05/21 00:40 | |
| EPA 9060 | Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/05/21 00:40 | |
| EPA 9060 | Total Organic Carbon | 1.0 | mg/L | 0.50 | 05/05/21 00:40 | |
| EPA 9060 | Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/05/21 00:40 | |
| EPA 9060 | Mean Total Organic Carbon | 1.1 | mg/L | 0.50 | 05/05/21 00:40 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226033022 | MW-6S DUP | | | | | |
| EPA 6010 | Barium, Dissolved | 285 | ug/L | 5.0 | 05/04/21 15:33 | |
| EPA 6010 | Cobalt, Dissolved | 1.7J | ug/L | 5.0 | 05/04/21 15:33 | |
| EPA 6010 | Iron, Dissolved | 240 | ug/L | 100 | 05/04/21 15:33 | |
| EPA 6010 | Manganese, Dissolved | 3750 | ug/L | 5.0 | 05/04/21 15:33 | |
| EPA 8260 | tert-Butylbenzene | 2.6 | ug/L | 1.0 | 04/30/21 23:34 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 238 | mg/L | 24.8 | 04/30/21 13:29 | |
| EPA 9060 | Total Organic Carbon | 3.4 | mg/L | 0.50 | 05/05/21 01:45 | |
| EPA 9060 | Total Organic Carbon | 3.4 | mg/L | 0.50 | 05/05/21 01:45 | |
| EPA 9060 | Total Organic Carbon | 3.4 | mg/L | 0.50 | 05/05/21 01:45 | |
| EPA 9060 | Total Organic Carbon | 3.4 | mg/L | 0.50 | 05/05/21 01:45 | |
| EPA 9060 | Mean Total Organic Carbon | 3.4 | mg/L | 0.50 | 05/05/21 01:45 | |
| 40226033024 | MW-15M | | | | | |
| EPA 6010 | Barium, Dissolved | 467 | ug/L | 5.0 | 05/04/21 15:36 | |
| EPA 6010 | Iron, Dissolved | 376 | ug/L | 100 | 05/04/21 15:36 | |
| EPA 6010 | Manganese, Dissolved | 1810 | ug/L | 5.0 | 05/04/21 15:36 | |
| | Field pH | 7.54 | Std. Units | | 04/26/21 13:40 | |
| | Field Specific Conductance | 179.0 | umhos/cm | | 04/26/21 13:40 | |
| | Oxygen, Dissolved | 20.5 | mg/L | | 04/26/21 13:40 | |
| | REDOX | -90.2 | mV | | 04/26/21 13:40 | |
| | Turbidity | N | no units | | 04/26/21 13:40 | |
| | Static Water Level | 644.57 | feet | | 04/26/21 13:40 | |
| | Apparent Color | N | no units | | 04/26/21 13:40 | |
| | Odor | N | no units | | 04/26/21 13:40 | |
| | Temperature, Water (C) | 10.44 | deg C | | 04/26/21 13:40 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 133 | mg/L | 24.8 | 04/30/21 13:17 | |
| EPA 9060 | Total Organic Carbon | 2.8 | mg/L | 0.50 | 05/05/21 02:08 | |
| EPA 9060 | Total Organic Carbon | 2.8 | mg/L | 0.50 | 05/05/21 02:08 | |
| EPA 9060 | Total Organic Carbon | 2.8 | mg/L | 0.50 | 05/05/21 02:08 | |
| EPA 9060 | Total Organic Carbon | 2.8 | mg/L | 0.50 | 05/05/21 02:08 | |
| EPA 9060 | Mean Total Organic Carbon | 2.8 | mg/L | 0.50 | 05/05/21 02:08 | |
| 40226352001 | MW-2S | | | | | |
| EPA 6010D | Barium, Dissolved | 142 | ug/L | 5.0 | 05/17/21 17:30 | |
| EPA 6010D | Iron, Dissolved | 32700 | ug/L | 1000 | 05/18/21 14:01 | |
| EPA 6010D | Manganese, Dissolved | 946 | ug/L | 5.0 | 05/17/21 17:30 | |
| | Field pH | 6.39 | Std. Units | | 04/29/21 15:23 | |
| | Field Specific Conductance | 356.0 | umhos/cm | | 04/29/21 15:23 | |
| | Oxygen, Dissolved | 1.54 | mg/L | | 04/29/21 15:23 | |
| | REDOX | -91.1 | mV | | 04/29/21 15:23 | |
| | Turbidity | N | no units | | 04/29/21 15:23 | |
| | Static Water Level | 645.04 | feet | | 04/29/21 15:23 | |
| | Apparent Color | N | no units | | 04/29/21 15:23 | |
| | Odor | N | no units | | 04/29/21 15:23 | |
| | Temperature, Water (C) | 6.74 | deg C | | 04/29/21 15:23 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 195 | mg/L | 24.8 | 05/11/21 13:45 | |
| EPA 9060 | Total Organic Carbon | 5.3 | mg/L | 1.0 | 05/06/21 11:13 | |
| EPA 9060 | Total Organic Carbon | 5.3 | mg/L | 1.0 | 05/06/21 11:13 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226352001 | MW-2S | | | | | |
| EPA 9060 | Total Organic Carbon | 5.4 | mg/L | 1.0 | 05/06/21 11:13 | |
| EPA 9060 | Total Organic Carbon | 5.5 | mg/L | 1.0 | 05/06/21 11:13 | |
| EPA 9060 | Mean Total Organic Carbon | 5.4 | mg/L | 1.0 | 05/06/21 11:13 | |
| 40226352002 | MW-2M | | | | | |
| EPA 6010D | Arsenic, Dissolved | 18.2J | ug/L | 25.0 | 05/17/21 17:39 | |
| EPA 6010D | Barium, Dissolved | 506 | ug/L | 5.0 | 05/17/21 17:39 | |
| EPA 6010D | Iron, Dissolved | 9750 | ug/L | 100 | 05/17/21 17:39 | |
| EPA 6010D | Manganese, Dissolved | 906 | ug/L | 5.0 | 05/17/21 17:39 | |
| | Field pH | 7.22 | Std. Units | | 04/29/21 15:37 | |
| | Field Specific Conductance | 203.0 | umhos/cm | | 04/29/21 15:37 | |
| | Oxygen, Dissolved | 1.01 | mg/L | | 04/29/21 15:37 | |
| | REDOX | -178.0 | mV | | 04/29/21 15:37 | |
| | Turbidity | N | no units | | 04/29/21 15:37 | |
| | Static Water Level | 645.01 | feet | | 04/29/21 15:37 | |
| | Apparent Color | N | no units | | 04/29/21 15:37 | |
| | Odor | N | no units | | 04/29/21 15:37 | |
| | Temperature, Water (C) | 6.70 | deg C | | 04/29/21 15:37 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 126 | mg/L | 24.8 | 05/11/21 13:46 | |
| EPA 9060 | Total Organic Carbon | 4.5 | mg/L | 0.50 | 05/06/21 12:23 | |
| EPA 9060 | Total Organic Carbon | 4.6 | mg/L | 0.50 | 05/06/21 12:23 | |
| EPA 9060 | Total Organic Carbon | 4.5 | mg/L | 0.50 | 05/06/21 12:23 | |
| EPA 9060 | Total Organic Carbon | 4.6 | mg/L | 0.50 | 05/06/21 12:23 | |
| EPA 9060 | Mean Total Organic Carbon | 4.5 | mg/L | 0.50 | 05/06/21 12:23 | |
| 40226352003 | MW-5S | | | | | |
| EPA 6010D | Barium, Dissolved | 165 | ug/L | 5.0 | 05/17/21 17:44 | |
| EPA 6010D | Iron, Dissolved | 13300 | ug/L | 100 | 05/17/21 17:44 | |
| EPA 6010D | Manganese, Dissolved | 777 | ug/L | 5.0 | 05/17/21 17:44 | |
| EPA 8260 | 1,2,4-Trimethylbenzene | 201 | ug/L | 1.0 | 05/12/21 17:02 | |
| EPA 8260 | 1,3,5-Trimethylbenzene | 13.3 | ug/L | 1.0 | 05/12/21 17:02 | |
| EPA 8260 | Isopropylbenzene (Cumene) | 18.8 | ug/L | 5.0 | 05/12/21 17:02 | |
| EPA 8260 | Naphthalene | 12.1 | ug/L | 5.0 | 05/12/21 17:02 | |
| EPA 8260 | Xylene (Total) | 7.0 | ug/L | 3.0 | 05/12/21 17:02 | |
| EPA 8260 | n-Propylbenzene | 27.6 | ug/L | 1.0 | 05/12/21 17:02 | |
| EPA 8260 | p-Isopropyltoluene | 3.1J | ug/L | 5.0 | 05/12/21 17:02 | |
| EPA 8260 | sec-Butylbenzene | 10.1 | ug/L | 1.0 | 05/12/21 17:02 | |
| EPA 8260 | tert-Butylbenzene | 11.9 | ug/L | 1.0 | 05/12/21 17:02 | |
| | Field pH | 6.75 | Std. Units | | 04/29/21 16:23 | |
| | Field Specific Conductance | 239.0 | umhos/cm | | 04/29/21 16:23 | |
| | Oxygen, Dissolved | 1.64 | mg/L | | 04/29/21 16:23 | |
| | REDOX | -108.7 | mV | | 04/29/21 16:23 | |
| | Turbidity | N | no units | | 04/29/21 16:23 | |
| | Static Water Level | 644.83 | feet | | 04/29/21 16:23 | |
| | Apparent Color | N | no units | | 04/29/21 16:23 | |
| | Odor | N | no units | | 04/29/21 16:23 | |
| | Temperature, Water (C) | 5.41 | deg C | | 04/29/21 16:23 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 173 | mg/L | 24.8 | 05/11/21 13:47 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226352003 | MW-5S | | | | | |
| EPA 9060 | Total Organic Carbon | 3.0 | mg/L | 0.50 | 05/06/21 13:32 | |
| EPA 9060 | Total Organic Carbon | 3.1 | mg/L | 0.50 | 05/06/21 13:32 | |
| EPA 9060 | Total Organic Carbon | 3.2 | mg/L | 0.50 | 05/06/21 13:32 | |
| EPA 9060 | Total Organic Carbon | 3.2 | mg/L | 0.50 | 05/06/21 13:32 | |
| EPA 9060 | Mean Total Organic Carbon | 3.1 | mg/L | 0.50 | 05/06/21 13:32 | |
| 40226352004 | MW-14S | | | | | |
| EPA 6010D | Barium, Dissolved | 88.8 | ug/L | 5.0 | 05/17/21 17:46 | |
| EPA 6010D | Iron, Dissolved | 4460 | ug/L | 100 | 05/17/21 17:46 | |
| EPA 6010D | Manganese, Dissolved | 646 | ug/L | 5.0 | 05/17/21 17:46 | |
| EPA 8260 | 1,2,4-Trimethylbenzene | 7.3 | ug/L | 1.0 | 05/07/21 17:42 | |
| EPA 8260 | 1,3,5-Trimethylbenzene | 1.1 | ug/L | 1.0 | 05/07/21 17:42 | |
| EPA 8260 | Ethylbenzene | 0.74J | ug/L | 1.0 | 05/07/21 17:42 | |
| EPA 8260 | Isopropylbenzene (Cumene) | 1.8J | ug/L | 5.0 | 05/07/21 17:42 | |
| EPA 8260 | Naphthalene | 24.3 | ug/L | 5.0 | 05/07/21 17:42 | |
| EPA 8260 | Xylene (Total) | 2.4J | ug/L | 3.0 | 05/07/21 17:42 | |
| EPA 8260 | n-Butylbenzene | 2.4 | ug/L | 1.0 | 05/07/21 17:42 | |
| EPA 8260 | n-Propylbenzene | 2.3 | ug/L | 1.0 | 05/07/21 17:42 | |
| EPA 8260 | sec-Butylbenzene | 1.5 | ug/L | 1.0 | 05/07/21 17:42 | |
| | Field pH | 6.65 | Std. Units | | 04/29/21 13:58 | |
| | Field Specific Conductance | 220.0 | umhos/cm | | 04/29/21 13:58 | |
| | Oxygen, Dissolved | 1.75 | mg/L | | 04/29/21 13:58 | |
| | REDOX | -79.1 | mV | | 04/29/21 13:58 | |
| | Turbidity | N | no units | | 04/29/21 13:58 | |
| | Static Water Level | 644.75 | feet | | 04/29/21 13:58 | |
| | Apparent Color | N | no units | | 04/29/21 13:58 | |
| | Odor | N | no units | | 04/29/21 13:58 | |
| | Temperature, Water (C) | 4.14 | deg C | | 04/29/21 13:58 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 183 | mg/L | 24.8 | 05/11/21 13:48 | |
| EPA 9060 | Total Organic Carbon | 2.8 | mg/L | 0.50 | 05/06/21 13:56 | |
| EPA 9060 | Total Organic Carbon | 2.9 | mg/L | 0.50 | 05/06/21 13:56 | |
| EPA 9060 | Total Organic Carbon | 3.0 | mg/L | 0.50 | 05/06/21 13:56 | |
| EPA 9060 | Total Organic Carbon | 3.0 | mg/L | 0.50 | 05/06/21 13:56 | |
| EPA 9060 | Mean Total Organic Carbon | 2.9 | mg/L | 0.50 | 05/06/21 13:56 | |
| 40226352005 | MW-16S | | | | | |
| EPA 6010D | Barium, Dissolved | 190 | ug/L | 5.0 | 05/17/21 17:49 | |
| EPA 6010D | Iron, Dissolved | 14800 | ug/L | 100 | 05/17/21 17:49 | |
| EPA 6010D | Manganese, Dissolved | 1740 | ug/L | 5.0 | 05/17/21 17:49 | |
| EPA 8260 | Isopropylbenzene (Cumene) | 24.7 | ug/L | 5.0 | 05/07/21 18:03 | |
| EPA 8260 | Naphthalene | 21.3 | ug/L | 5.0 | 05/07/21 18:03 | |
| EPA 8260 | n-Butylbenzene | 6.2 | ug/L | 1.0 | 05/07/21 18:03 | |
| EPA 8260 | n-Propylbenzene | 46.0 | ug/L | 1.0 | 05/07/21 18:03 | |
| EPA 8260 | sec-Butylbenzene | 14.1 | ug/L | 1.0 | 05/07/21 18:03 | |
| EPA 8260 | tert-Butylbenzene | 9.7 | ug/L | 1.0 | 05/07/21 18:03 | |
| | Field pH | 6.38 | Std. Units | | 04/30/21 11:13 | |
| | Field Specific Conductance | 477.0 | umhos/cm | | 04/30/21 11:13 | |
| | Oxygen, Dissolved | 1.37 | mg/L | | 04/30/21 11:13 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
 Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226352005 | MW-16S | | | | | |
| | REDOX | -61.9 | mV | | 04/30/21 11:13 | |
| | Turbidity | N | no units | | 04/30/21 11:13 | |
| | Static Water Level | 644.72 | feet | | 04/30/21 11:13 | |
| | Apparent Color | N | no units | | 04/30/21 11:13 | |
| | Odor | N | no units | | 04/30/21 11:13 | |
| | Temperature, Water (C) | 4.97 | deg C | | 04/30/21 11:13 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 385 | mg/L | 24.8 | 05/11/21 13:51 | |
| EPA 9060 | Total Organic Carbon | 3.6 | mg/L | 0.50 | 05/06/21 14:40 | |
| EPA 9060 | Total Organic Carbon | 3.5 | mg/L | 0.50 | 05/06/21 14:40 | |
| EPA 9060 | Total Organic Carbon | 3.5 | mg/L | 0.50 | 05/06/21 14:40 | |
| EPA 9060 | Total Organic Carbon | 3.6 | mg/L | 0.50 | 05/06/21 14:40 | |
| EPA 9060 | Mean Total Organic Carbon | 3.5 | mg/L | 0.50 | 05/06/21 14:40 | |
| 40226352006 | MW-16M | | | | | |
| EPA 6010D | Arsenic, Dissolved | 28.6 | ug/L | 25.0 | 05/17/21 17:51 | |
| EPA 6010D | Barium, Dissolved | 1360 | ug/L | 5.0 | 05/17/21 17:51 | |
| EPA 6010D | Cobalt, Dissolved | 1.7J | ug/L | 5.0 | 05/17/21 17:51 | |
| EPA 6010D | Iron, Dissolved | 20700 | ug/L | 100 | 05/17/21 17:51 | |
| EPA 6010D | Manganese, Dissolved | 1420 | ug/L | 5.0 | 05/17/21 17:51 | |
| EPA 8260 | 1,2,4-Trimethylbenzene | 0.87J | ug/L | 1.0 | 05/07/21 18:24 | |
| EPA 8260 | Benzene | 1.2 | ug/L | 1.0 | 05/07/21 18:24 | |
| EPA 8260 | Isopropylbenzene (Cumene) | 17.3 | ug/L | 5.0 | 05/07/21 18:24 | |
| EPA 8260 | Naphthalene | 5.7 | ug/L | 5.0 | 05/07/21 18:24 | |
| EPA 8260 | n-Butylbenzene | 1.3 | ug/L | 1.0 | 05/07/21 18:24 | |
| EPA 8260 | n-Propylbenzene | 14.9 | ug/L | 1.0 | 05/07/21 18:24 | |
| EPA 8260 | sec-Butylbenzene | 4.1 | ug/L | 1.0 | 05/07/21 18:24 | |
| EPA 8260 | tert-Butylbenzene | 4.3 | ug/L | 1.0 | 05/07/21 18:24 | |
| | Field pH | 7.08 | Std. Units | | 04/30/21 11:42 | |
| | Field Specific Conductance | 375.0 | umhos/cm | | 04/30/21 11:42 | |
| | Oxygen, Dissolved | 1.80 | mg/L | | 04/30/21 11:42 | |
| | REDOX | -163.8 | mV | | 04/30/21 11:42 | |
| | Turbidity | N | no units | | 04/30/21 11:42 | |
| | Static Water Level | 644.69 | feet | | 04/30/21 11:42 | |
| | Apparent Color | N | no units | | 04/30/21 11:42 | |
| | Odor | N | no units | | 04/30/21 11:42 | |
| | Temperature, Water (C) | 7.30 | deg C | | 04/30/21 11:42 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 263 | mg/L | 24.8 | 05/11/21 13:55 | |
| EPA 9060 | Total Organic Carbon | 4.3 | mg/L | 0.50 | 05/06/21 15:05 | |
| EPA 9060 | Total Organic Carbon | 4.3 | mg/L | 0.50 | 05/06/21 15:05 | |
| EPA 9060 | Total Organic Carbon | 4.3 | mg/L | 0.50 | 05/06/21 15:05 | |
| EPA 9060 | Total Organic Carbon | 4.4 | mg/L | 0.50 | 05/06/21 15:05 | |
| EPA 9060 | Mean Total Organic Carbon | 4.3 | mg/L | 0.50 | 05/06/21 15:05 | |
| 40226352007 | MW-17S | | | | | |
| EPA 6010D | Barium, Dissolved | 127 | ug/L | 5.0 | 05/17/21 17:58 | |
| EPA 6010D | Iron, Dissolved | 7340 | ug/L | 100 | 05/17/21 17:58 | |
| EPA 6010D | Manganese, Dissolved | 804 | ug/L | 5.0 | 05/17/21 17:58 | |
| EPA 8260 | 1,2,4-Trimethylbenzene | 339 | ug/L | 5.0 | 05/07/21 19:26 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226352007 | MW-17S | | | | | |
| EPA 8260 | Isopropylbenzene (Cumene) | 6.9J | ug/L | 25.0 | 05/07/21 19:26 | |
| EPA 8260 | Naphthalene | 7.7J | ug/L | 25.0 | 05/07/21 19:26 | |
| EPA 8260 | Xylene (Total) | 6.1J | ug/L | 15.0 | 05/07/21 19:26 | |
| EPA 8260 | n-Butylbenzene | 4.6J | ug/L | 5.0 | 05/07/21 19:26 | |
| EPA 8260 | n-Propylbenzene | 15.4 | ug/L | 5.0 | 05/07/21 19:26 | |
| EPA 8260 | p-Isopropyltoluene | 5.8J | ug/L | 25.0 | 05/07/21 19:26 | |
| EPA 8260 | sec-Butylbenzene | 14.0 | ug/L | 5.0 | 05/07/21 19:26 | |
| EPA 8260 | tert-Butylbenzene | 5.3 | ug/L | 5.0 | 05/07/21 19:26 | |
| | Field pH | 6.74 | Std. Units | | 04/30/21 10:21 | |
| | Field Specific Conductance | 218.0 | umhos/cm | | 04/30/21 10:21 | |
| | Oxygen, Dissolved | 2.06 | mg/L | | 04/30/21 10:21 | |
| | REDOX | -110.0 | mV | | 04/30/21 10:21 | |
| | Turbidity | N | no units | | 04/30/21 10:21 | |
| | Static Water Level | 644.76 | feet | | 04/30/21 10:21 | |
| | Apparent Color | N | no units | | 04/30/21 10:21 | |
| | Odor | N | no units | | 04/30/21 10:21 | |
| | Temperature, Water (C) | 4.40 | deg C | | 04/30/21 10:21 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 167 | mg/L | 24.8 | 05/11/21 13:56 | |
| EPA 9060 | Total Organic Carbon | 2.9 | mg/L | 0.50 | 05/06/21 15:27 | |
| EPA 9060 | Total Organic Carbon | 2.9 | mg/L | 0.50 | 05/06/21 15:27 | |
| EPA 9060 | Total Organic Carbon | 3.0 | mg/L | 0.50 | 05/06/21 15:27 | |
| EPA 9060 | Total Organic Carbon | 3.0 | mg/L | 0.50 | 05/06/21 15:27 | |
| EPA 9060 | Mean Total Organic Carbon | 3.0 | mg/L | 0.50 | 05/06/21 15:27 | |
| 40226352008 | MW-17M | | | | | |
| EPA 6010D | Arsenic, Dissolved | 9.5J | ug/L | 25.0 | 05/17/21 18:01 | |
| EPA 6010D | Barium, Dissolved | 493 | ug/L | 5.0 | 05/17/21 18:01 | |
| EPA 6010D | Iron, Dissolved | 5340 | ug/L | 100 | 05/17/21 18:01 | |
| EPA 6010D | Manganese, Dissolved | 745 | ug/L | 5.0 | 05/17/21 18:01 | |
| | Field pH | 7.41 | Std. Units | | 04/30/21 10:34 | |
| | Field Specific Conductance | 217.0 | umhos/cm | | 04/30/21 10:34 | |
| | Oxygen, Dissolved | 1.00 | mg/L | | 04/30/21 10:34 | |
| | REDOX | -195.8 | mV | | 04/30/21 10:34 | |
| | Turbidity | N | no units | | 04/30/21 10:34 | |
| | Static Water Level | 644.81 | feet | | 04/30/21 10:34 | |
| | Apparent Color | N | no units | | 04/30/21 10:34 | |
| | Odor | N | no units | | 04/30/21 10:34 | |
| | Temperature, Water (C) | 6.22 | deg C | | 04/30/21 10:34 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 151 | mg/L | 49.6 | 05/11/21 13:57 | |
| EPA 9060 | Total Organic Carbon | 5.7 | mg/L | 0.50 | 05/06/21 15:50 | |
| EPA 9060 | Total Organic Carbon | 5.7 | mg/L | 0.50 | 05/06/21 15:50 | |
| EPA 9060 | Total Organic Carbon | 5.7 | mg/L | 0.50 | 05/06/21 15:50 | |
| EPA 9060 | Total Organic Carbon | 5.8 | mg/L | 0.50 | 05/06/21 15:50 | |
| EPA 9060 | Mean Total Organic Carbon | 5.7 | mg/L | 0.50 | 05/06/21 15:50 | |
| 40226352009 | PZ-1 | | | | | |
| EPA 6010D | Barium, Dissolved | 73.1 | ug/L | 5.0 | 05/17/21 18:03 | |
| EPA 6010D | Manganese, Dissolved | 1190 | ug/L | 5.0 | 05/17/21 18:03 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL
 Pace Project No.: 40226033

| Lab Sample ID | Client Sample ID | Result | Units | Report Limit | Analyzed | Qualifiers |
|--------------------|----------------------------|--------|------------|--------------|----------------|------------|
| Method | Parameters | | | | | |
| 40226352009 | PZ-1 | | | | | |
| | Field pH | 7.74 | Std. Units | | 04/29/21 14:32 | |
| | Field Specific Conductance | 204.0 | umhos/cm | | 04/29/21 14:32 | |
| | Oxygen, Dissolved | 1.25 | mg/L | | 04/29/21 14:32 | |
| | REDOX | -60.6 | mV | | 04/29/21 14:32 | |
| | Turbidity | N | no units | | 04/29/21 14:32 | |
| | Static Water Level | 644.71 | feet | | 04/29/21 14:32 | |
| | Apparent Color | N | no units | | 04/29/21 14:32 | |
| | Odor | N | no units | | 04/29/21 14:32 | |
| | Temperature, Water (C) | 5.26 | deg C | | 04/29/21 14:32 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 154 | mg/L | 24.8 | 05/11/21 13:49 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/06/21 16:16 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/06/21 16:16 | |
| EPA 9060 | Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/06/21 16:16 | |
| EPA 9060 | Total Organic Carbon | 2.3 | mg/L | 0.50 | 05/06/21 16:16 | |
| EPA 9060 | Mean Total Organic Carbon | 2.4 | mg/L | 0.50 | 05/06/21 16:16 | |
| 40226352010 | PZ-2 | | | | | |
| EPA 6010D | Barium, Dissolved | 84.6 | ug/L | 5.0 | 05/17/21 18:06 | |
| EPA 6010D | Cobalt, Dissolved | 2.0J | ug/L | 5.0 | 05/17/21 18:06 | |
| EPA 6010D | Iron, Dissolved | 36100 | ug/L | 100 | 05/17/21 18:06 | |
| EPA 6010D | Manganese, Dissolved | 4160 | ug/L | 5.0 | 05/17/21 18:06 | |
| | Field pH | 6.65 | Std. Units | | 04/29/21 13:36 | |
| | Field Specific Conductance | 323.0 | umhos/cm | | 04/29/21 13:36 | |
| | Oxygen, Dissolved | 2.17 | mg/L | | 04/29/21 13:36 | |
| | REDOX | -148.0 | mV | | 04/29/21 13:36 | |
| | Turbidity | N | no units | | 04/29/21 13:36 | |
| | Static Water Level | 644.64 | feet | | 04/29/21 13:36 | |
| | Apparent Color | N | no units | | 04/29/21 13:36 | |
| | Odor | N | no units | | 04/29/21 13:36 | |
| | Temperature, Water (C) | 4.22 | deg C | | 04/29/21 13:36 | |
| EPA 310.2 | Alkalinity, Total as CaCO3 | 227 | mg/L | 24.8 | 05/11/21 13:50 | |
| EPA 9060 | Total Organic Carbon | 9.4 | mg/L | 0.50 | 05/06/21 16:40 | |
| EPA 9060 | Total Organic Carbon | 9.4 | mg/L | 0.50 | 05/06/21 16:40 | |
| EPA 9060 | Total Organic Carbon | 9.3 | mg/L | 0.50 | 05/06/21 16:40 | |
| EPA 9060 | Total Organic Carbon | 9.3 | mg/L | 0.50 | 05/06/21 16:40 | |
| EPA 9060 | Mean Total Organic Carbon | 9.3 | mg/L | 0.50 | 05/06/21 16:40 | |
| 40226352012 | MW-17S DUP | | | | | |
| EPA 6010D | Barium, Dissolved | 122 | ug/L | 5.0 | 05/17/21 18:08 | |
| EPA 6010D | Iron, Dissolved | 7200 | ug/L | 100 | 05/17/21 18:08 | |
| EPA 6010D | Manganese, Dissolved | 768 | ug/L | 5.0 | 05/17/21 18:08 | |
| 40226352013 | MW-16S DUP | | | | | |
| EPA 6010D | Barium, Dissolved | 196 | ug/L | 5.0 | 05/17/21 18:11 | |
| EPA 6010D | Iron, Dissolved | 15900 | ug/L | 100 | 05/17/21 18:11 | |
| EPA 6010D | Manganese, Dissolved | 1820 | ug/L | 5.0 | 05/17/21 18:11 | |
| EPA 8260 | Isopropylbenzene (Cumene) | 22.3 | ug/L | 5.0 | 05/07/21 19:05 | |
| EPA 8260 | Naphthalene | 17.8 | ug/L | 5.0 | 05/07/21 19:05 | |
| EPA 8260 | n-Butylbenzene | 5.5 | ug/L | 1.0 | 05/07/21 19:05 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab Sample ID Method | Client Sample ID Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|-------------------------|--|--------|-------|--------------|----------------|------------|
| 40226352013 | MW-16S DUP | | | | | |
| EPA 8260 | n-Propylbenzene | 40.3 | ug/L | 1.0 | 05/07/21 19:05 | |
| EPA 8260 | sec-Butylbenzene | 12.5 | ug/L | 1.0 | 05/07/21 19:05 | |
| EPA 8260 | tert-Butylbenzene | 8.7 | ug/L | 1.0 | 05/07/21 19:05 | |
| EPA 310.2 | Alkalinity, Total as CaCO ₃ | 386 | mg/L | 24.8 | 05/11/21 14:02 | |
| EPA 9060 | Total Organic Carbon | 3.6 | mg/L | 0.50 | 05/06/21 17:07 | |
| EPA 9060 | Total Organic Carbon | 3.5 | mg/L | 0.50 | 05/06/21 17:07 | |
| EPA 9060 | Total Organic Carbon | 3.7 | mg/L | 0.50 | 05/06/21 17:07 | |
| EPA 9060 | Total Organic Carbon | 3.7 | mg/L | 0.50 | 05/06/21 17:07 | |
| EPA 9060 | Mean Total Organic Carbon | 3.6 | mg/L | 0.50 | 05/06/21 17:07 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-1SR **Lab ID: 40226033001** Collected: 04/26/21 15:19 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 14:35 | 7440-38-2 | |
| Barium, Dissolved | 23.1 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:35 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 14:35 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 14:35 | 7440-48-4 | |
| Iron, Dissolved | 90.8J | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 14:35 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 14:35 | 7439-92-1 | |
| Manganese, Dissolved | 127 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:35 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 14:35 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:08 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.22 | Std. Units | | | 1 | | 04/26/21 15:19 | | |
| Field Specific Conductance | 154.0 | umhos/cm | | | 1 | | 04/26/21 15:19 | | |
| Oxygen, Dissolved | 2.15 | mg/L | | | 1 | | 04/26/21 15:19 | 7782-44-7 | |
| REDOX | -3.8 | mV | | | 1 | | 04/26/21 15:19 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 15:19 | | |
| Static Water Level | 644.95 | feet | | | 1 | | 04/26/21 15:19 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 15:19 | | |
| Odor | N | no units | | | 1 | | 04/26/21 15:19 | | |
| Temperature, Water (C) | 8.37 | deg C | | | 1 | | 04/26/21 15:19 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 104 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:03 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 16:58 | 7440-44-0 | |
| Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 16:58 | 7440-44-0 | |
| Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 16:58 | 7440-44-0 | |
| Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 16:58 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 16:58 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-4S **Lab ID: 40226033002** Collected: 04/26/21 15:52 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|-----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 14:44 | 7440-38-2 | |
| Barium, Dissolved | 196 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:44 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 14:44 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 14:44 | 7440-48-4 | |
| Iron, Dissolved | 7340 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 14:44 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 14:44 | 7439-92-1 | |
| Manganese, Dissolved | 643 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:44 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 14:44 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:11 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.76 | ug/L | 2.5 | 0.76 | 2.5 | | 05/01/21 00:13 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.94 | ug/L | 2.5 | 0.94 | 2.5 | | 05/01/21 00:13 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.86 | ug/L | 12.5 | 0.86 | 2.5 | | 05/01/21 00:13 | 79-00-5 | |
| 1,1-Dichloroethane | <0.74 | ug/L | 2.5 | 0.74 | 2.5 | | 05/01/21 00:13 | 75-34-3 | |
| 1,1-Dichloroethene | <1.5 | ug/L | 2.5 | 1.5 | 2.5 | | 05/01/21 00:13 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | 156 | ug/L | 2.5 | 1.1 | 2.5 | | 05/01/21 00:13 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <5.9 | ug/L | 12.5 | 5.9 | 2.5 | | 05/01/21 00:13 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.77 | ug/L | 2.5 | 0.77 | 2.5 | | 05/01/21 00:13 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.81 | ug/L | 2.5 | 0.81 | 2.5 | | 05/01/21 00:13 | 95-50-1 | |
| 1,2-Dichloroethane | <0.73 | ug/L | 2.5 | 0.73 | 2.5 | | 05/01/21 00:13 | 107-06-2 | |
| 1,2-Dichloropropane | <1.1 | ug/L | 2.5 | 1.1 | 2.5 | | 05/01/21 00:13 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.89 | ug/L | 2.5 | 0.89 | 2.5 | | 05/01/21 00:13 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.88 | ug/L | 2.5 | 0.88 | 2.5 | | 05/01/21 00:13 | 541-73-1 | |
| 1,4-Dichlorobenzene | <2.2 | ug/L | 2.5 | 2.2 | 2.5 | | 05/01/21 00:13 | 106-46-7 | |
| 2-Butanone (MEK) | <16.3 | ug/L | 62.5 | 16.3 | 2.5 | | 05/01/21 00:13 | 78-93-3 | |
| 2-Hexanone | <15.7 | ug/L | 62.5 | 15.7 | 2.5 | | 05/01/21 00:13 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <14.9 | ug/L | 62.5 | 14.9 | 2.5 | | 05/01/21 00:13 | 108-10-1 | |
| Acetone | <21.6 | ug/L | 62.5 | 21.6 | 2.5 | | 05/01/21 00:13 | 67-64-1 | |
| Benzene | <0.74 | ug/L | 2.5 | 0.74 | 2.5 | | 05/01/21 00:13 | 71-43-2 | |
| Bromodichloromethane | <1.0 | ug/L | 2.5 | 1.0 | 2.5 | | 05/01/21 00:13 | 75-27-4 | |
| Bromoform | <9.5 | ug/L | 12.5 | 9.5 | 2.5 | | 05/01/21 00:13 | 75-25-2 | |
| Bromomethane | <3.0 | ug/L | 12.5 | 3.0 | 2.5 | | 05/01/21 00:13 | 74-83-9 | |
| Carbon disulfide | <2.8 | ug/L | 12.5 | 2.8 | 2.5 | | 05/01/21 00:13 | 75-15-0 | |
| Carbon tetrachloride | <0.92 | ug/L | 2.5 | 0.92 | 2.5 | | 05/01/21 00:13 | 56-23-5 | |
| Chlorobenzene | <2.1 | ug/L | 2.5 | 2.1 | 2.5 | | 05/01/21 00:13 | 108-90-7 | |
| Chloroethane | <3.4 | ug/L | 12.5 | 3.4 | 2.5 | | 05/01/21 00:13 | 75-00-3 | |
| Chloroform | <3.0 | ug/L | 12.5 | 3.0 | 2.5 | | 05/01/21 00:13 | 67-66-3 | |
| Chloromethane | <4.1 | ug/L | 12.5 | 4.1 | 2.5 | | 05/01/21 00:13 | 74-87-3 | |
| Dibromochloromethane | <6.6 | ug/L | 12.5 | 6.6 | 2.5 | | 05/01/21 00:13 | 124-48-1 | |
| Dibromomethane | <2.5 | ug/L | 12.5 | 2.5 | 2.5 | | 05/01/21 00:13 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-4S **Lab ID: 40226033002** Collected: 04/26/21 15:52 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|-----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <1.1 | ug/L | 12.5 | 1.1 | 2.5 | | 05/01/21 00:13 | 75-71-8 | |
| Ethylbenzene | <0.81 | ug/L | 2.5 | 0.81 | 2.5 | | 05/01/21 00:13 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <6.8 | ug/L | 12.5 | 6.8 | 2.5 | | 05/01/21 00:13 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 4.8J | ug/L | 12.5 | 2.5 | 2.5 | | 05/01/21 00:13 | 98-82-8 | |
| Methyl-tert-butyl ether | <2.8 | ug/L | 12.5 | 2.8 | 2.5 | | 05/01/21 00:13 | 1634-04-4 | |
| Methylene Chloride | <0.80 | ug/L | 12.5 | 0.80 | 2.5 | | 05/01/21 00:13 | 75-09-2 | |
| Naphthalene | <2.8 | ug/L | 12.5 | 2.8 | 2.5 | | 05/01/21 00:13 | 91-20-3 | |
| Styrene | <0.89 | ug/L | 2.5 | 0.89 | 2.5 | | 05/01/21 00:13 | 100-42-5 | |
| Tetrachloroethene | <1.0 | ug/L | 2.5 | 1.0 | 2.5 | | 05/01/21 00:13 | 127-18-4 | |
| Tetrahydrofuran | <6.0 | ug/L | 62.5 | 6.0 | 2.5 | | 05/01/21 00:13 | 109-99-9 | |
| Toluene | <0.72 | ug/L | 2.5 | 0.72 | 2.5 | | 05/01/21 00:13 | 108-88-3 | |
| Trichloroethene | <0.80 | ug/L | 2.5 | 0.80 | 2.5 | | 05/01/21 00:13 | 79-01-6 | |
| Trichlorofluoromethane | <1.0 | ug/L | 2.5 | 1.0 | 2.5 | | 05/01/21 00:13 | 75-69-4 | |
| Vinyl chloride | <0.44 | ug/L | 2.5 | 0.44 | 2.5 | | 05/01/21 00:13 | 75-01-4 | |
| Xylene (Total) | <2.6 | ug/L | 7.5 | 2.6 | 2.5 | | 05/01/21 00:13 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <1.2 | ug/L | 2.5 | 1.2 | 2.5 | | 05/01/21 00:13 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.90 | ug/L | 2.5 | 0.90 | 2.5 | | 05/01/21 00:13 | 10061-01-5 | |
| n-Butylbenzene | 2.9 | ug/L | 2.5 | 2.1 | 2.5 | | 05/01/21 00:13 | 104-51-8 | |
| n-Propylbenzene | 7.1 | ug/L | 2.5 | 0.86 | 2.5 | | 05/01/21 00:13 | 103-65-1 | |
| p-Isopropyltoluene | 3.3J | ug/L | 12.5 | 2.6 | 2.5 | | 05/01/21 00:13 | 99-87-6 | |
| sec-Butylbenzene | 8.4 | ug/L | 2.5 | 1.1 | 2.5 | | 05/01/21 00:13 | 135-98-8 | |
| tert-Butylbenzene | <1.5 | ug/L | 2.5 | 1.5 | 2.5 | | 05/01/21 00:13 | 98-06-6 | |
| trans-1,2-Dichloroethene | <1.3 | ug/L | 2.5 | 1.3 | 2.5 | | 05/01/21 00:13 | 156-60-5 | |
| trans-1,3-Dichloropropene | <8.7 | ug/L | 12.5 | 8.7 | 2.5 | | 05/01/21 00:13 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 2.5 | | 05/01/21 00:13 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 2.5 | | 05/01/21 00:13 | 2199-69-1 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 2.5 | | 05/01/21 00:13 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 7.08 | Std. Units | | | 1 | | 04/26/21 15:52 | | |
| Field Specific Conductance | 308.0 | umhos/cm | | | 1 | | 04/26/21 15:52 | | |
| Oxygen, Dissolved | 1.37 | mg/L | | | 1 | | 04/26/21 15:52 | 7782-44-7 | |
| REDOX | -98.0 | mV | | | 1 | | 04/26/21 15:52 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 15:52 | | |
| Static Water Level | 644.79 | feet | | | 1 | | 04/26/21 15:52 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 15:52 | | |
| Odor | N | no units | | | 1 | | 04/26/21 15:52 | | |
| Temperature, Water (C) | 9.67 | deg C | | | 1 | | 04/26/21 15:52 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 230 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:04 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-4S **Lab ID: 40226033002** Collected: 04/26/21 15:52 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|------------|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 18:06 | 7440-44-0 | |
| Total Organic Carbon | 2.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 18:06 | 7440-44-0 | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 18:06 | 7440-44-0 | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 18:06 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 18:06 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Project No.: 40226033

Sample: **MW-6S** Lab ID: **40226033003** Collected: 04/27/21 14:18 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 14:54 | 7440-38-2 | |
| Barium, Dissolved | 276 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:54 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 14:54 | 7440-43-9 | |
| Cobalt, Dissolved | 1.6J | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 14:54 | 7440-48-4 | |
| Iron, Dissolved | 225 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 14:54 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 14:54 | 7439-92-1 | |
| Manganese, Dissolved | 3770 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:54 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 14:54 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:13 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:21 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 19:21 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 19:21 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:21 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 19:21 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 19:21 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 19:21 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 19:21 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 19:21 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 19:21 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 19:21 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:21 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 19:21 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 19:21 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 19:21 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 19:21 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 19:21 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 19:21 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:21 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:21 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 19:21 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 19:21 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:21 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 19:21 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 19:21 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 19:21 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 19:21 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 19:21 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 19:21 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 19:21 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-6S **Lab ID: 40226033003** Collected: 04/27/21 14:18 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 19:21 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 19:21 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 19:21 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 19:21 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:21 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 19:21 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:21 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:21 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 19:21 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 19:21 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 19:21 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 19:21 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:21 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 19:21 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 19:21 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 19:21 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:21 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 19:21 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 19:21 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 19:21 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:21 | 135-98-8 | |
| tert-Butylbenzene | 2.8 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 19:21 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 19:21 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 19:21 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 105 | % | 70-130 | | 1 | | 04/30/21 19:21 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 104 | % | 70-130 | | 1 | | 04/30/21 19:21 | 2199-69-1 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 04/30/21 19:21 | 2037-26-5 | |

Field Data

Analytical Method:

Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 7.23 | Std. Units | | | 1 | | 04/27/21 14:18 | | |
| Field Specific Conductance | 296.0 | umhos/cm | | | 1 | | 04/27/21 14:18 | | |
| Oxygen, Dissolved | 1.43 | mg/L | | | 1 | | 04/27/21 14:18 | 7782-44-7 | |
| REDOX | -9.7 | mV | | | 1 | | 04/27/21 14:18 | | |
| Turbidity | N | no units | | | 1 | | 04/27/21 14:18 | | |
| Static Water Level | 644.51 | feet | | | 1 | | 04/27/21 14:18 | | |
| Apparent Color | N | no units | | | 1 | | 04/27/21 14:18 | | |
| Odor | N | no units | | | 1 | | 04/27/21 14:18 | | |
| Temperature, Water (C) | 9.20 | deg C | | | 1 | | 04/27/21 14:18 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2

Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 237 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:18 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-6S **Lab ID: 40226033003** Collected: 04/27/21 14:18 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|------------|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 3.2 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:36 | 7440-44-0 | |
| Total Organic Carbon | 3.2 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:36 | 7440-44-0 | |
| Total Organic Carbon | 3.2 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:36 | 7440-44-0 | |
| Total Organic Carbon | 3.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:36 | 7440-44-0 | |
| Mean Total Organic Carbon | 3.2 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:36 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-6M **Lab ID: 40226033004** Collected: 04/27/21 14:36 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 14:57 | 7440-38-2 | |
| Barium, Dissolved | 1670 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:57 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 14:57 | 7440-43-9 | |
| Cobalt, Dissolved | 2.3J | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 14:57 | 7440-48-4 | |
| Iron, Dissolved | 74.3J | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 14:57 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 14:57 | 7439-92-1 | |
| Manganese, Dissolved | 2810 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:57 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 14:57 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:15 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:40 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 19:40 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 19:40 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:40 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 19:40 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 19:40 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 19:40 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 19:40 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 19:40 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 19:40 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 19:40 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:40 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 19:40 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 19:40 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 19:40 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 19:40 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 19:40 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 19:40 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:40 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:40 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 19:40 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 19:40 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:40 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 19:40 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 19:40 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 19:40 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 19:40 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 19:40 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 19:40 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 19:40 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-6M **Lab ID: 40226033004** Collected: 04/27/21 14:36 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 19:40 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 19:40 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 19:40 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 19:40 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:40 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 19:40 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:40 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:40 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 19:40 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 19:40 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 19:40 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 19:40 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:40 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 19:40 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 19:40 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 19:40 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:40 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 19:40 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 19:40 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 19:40 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:40 | 135-98-8 | |
| tert-Butylbenzene | 0.67J | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 19:40 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 19:40 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 19:40 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 04/30/21 19:40 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 70-130 | | 1 | | 04/30/21 19:40 | 2199-69-1 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 04/30/21 19:40 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 7.35 | Std. Units | | | 1 | | 04/27/21 14:36 | | |
| Field Specific Conductance | 261.0 | umhos/cm | | | 1 | | 04/27/21 14:36 | | |
| Oxygen, Dissolved | 0.99 | mg/L | | | 1 | | 04/27/21 14:36 | 7782-44-7 | |
| REDOX | -12.7 | mV | | | 1 | | 04/27/21 14:36 | | |
| Turbidity | N | no units | | | 1 | | 04/27/21 14:36 | | |
| Static Water Level | 644.52 | feet | | | 1 | | 04/27/21 14:36 | | |
| Apparent Color | N | no units | | | 1 | | 04/27/21 14:36 | | |
| Odor | N | no units | | | 1 | | 04/27/21 14:36 | | |
| Temperature, Water (C) | 10.32 | deg C | | | 1 | | 04/27/21 14:36 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 202 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:19 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-6M **Lab ID: 40226033004** Collected: 04/27/21 14:36 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|---|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | |
| Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:59 | 7440-44-0 | |
| Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:59 | 7440-44-0 | |
| Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:59 | 7440-44-0 | |
| Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:59 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.7 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 19:59 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-7M **Lab ID: 40226033005** Collected: 04/26/21 12:47 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 14:59 | 7440-38-2 | |
| Barium, Dissolved | 278 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:59 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 14:59 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 14:59 | 7440-48-4 | |
| Iron, Dissolved | 2010 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 14:59 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 14:59 | 7439-92-1 | |
| Manganese, Dissolved | 668 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 14:59 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 14:59 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:18 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.64 | Std. Units | | | 1 | | 04/26/21 12:47 | | |
| Field Specific Conductance | 271.0 | umhos/cm | | | 1 | | 04/26/21 12:47 | | |
| Oxygen, Dissolved | 2.25 | mg/L | | | 1 | | 04/26/21 12:47 | 7782-44-7 | |
| REDOX | -148.7 | mV | | | 1 | | 04/26/21 12:47 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 12:47 | | |
| Static Water Level | 644.63 | feet | | | 1 | | 04/26/21 12:47 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 12:47 | | |
| Odor | N | no units | | | 1 | | 04/26/21 12:47 | | |
| Temperature, Water (C) | 10.38 | deg C | | | 1 | | 04/26/21 12:47 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 212 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:05 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 1.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:22 | 7440-44-0 | |
| Total Organic Carbon | 1.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:22 | 7440-44-0 | |
| Total Organic Carbon | 1.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:22 | 7440-44-0 | |
| Total Organic Carbon | 1.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:22 | 7440-44-0 | |
| Mean Total Organic Carbon | 1.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:22 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-8S **Lab ID: 40226033006** Collected: 04/26/21 14:23 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:02 | 7440-38-2 | |
| Barium, Dissolved | 32.0 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:02 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:02 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:02 | 7440-48-4 | |
| Iron, Dissolved | <56.7 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:02 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:02 | 7439-92-1 | |
| Manganese, Dissolved | 129 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:02 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:02 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:25 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 20:00 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 20:00 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 20:00 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 20:00 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 20:00 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 20:00 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 20:00 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 20:00 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 20:00 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 20:00 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 20:00 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 20:00 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 20:00 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 20:00 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 20:00 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 20:00 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 20:00 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 20:00 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 20:00 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 20:00 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 20:00 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 20:00 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 20:00 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 20:00 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 20:00 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 20:00 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 20:00 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 20:00 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 20:00 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 20:00 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-8S **Lab ID: 40226033006** Collected: 04/26/21 14:23 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 20:00 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 20:00 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 20:00 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 20:00 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 20:00 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 20:00 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 20:00 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 20:00 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 20:00 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 20:00 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 20:00 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 20:00 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 20:00 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 20:00 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 20:00 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 20:00 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 20:00 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 20:00 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 20:00 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 20:00 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 20:00 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 20:00 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 20:00 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 20:00 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 97 | % | 70-130 | | 1 | | 04/30/21 20:00 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 70-130 | | 1 | | 04/30/21 20:00 | 2199-69-1 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 04/30/21 20:00 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 7.27 | Std. Units | | | 1 | | 04/26/21 14:23 | | |
| Field Specific Conductance | 303.0 | umhos/cm | | | 1 | | 04/26/21 14:23 | | |
| Oxygen, Dissolved | 4.18 | mg/L | | | 1 | | 04/26/21 14:23 | 7782-44-7 | |
| REDOX | -40.5 | mV | | | 1 | | 04/26/21 14:23 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 14:23 | | |
| Static Water Level | 644.56 | feet | | | 1 | | 04/26/21 14:23 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 14:23 | | |
| Odor | N | no units | | | 1 | | 04/26/21 14:23 | | |
| Temperature, Water (C) | 8.69 | deg C | | | 1 | | 04/26/21 14:23 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 249 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:06 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-8S **Lab ID: 40226033006** Collected: 04/26/21 14:23 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | |
| Total Organic Carbon | 1.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:43 | 7440-44-0 | |
| Total Organic Carbon | 1.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:43 | 7440-44-0 | |
| Total Organic Carbon | 1.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:43 | 7440-44-0 | |
| Total Organic Carbon | 1.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:43 | 7440-44-0 | |
| Mean Total Organic Carbon | 1.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 20:43 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-8M **Lab ID: 40226033007** Collected: 04/26/21 14:02 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:04 | 7440-38-2 | |
| Barium, Dissolved | 763 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:04 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:04 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:04 | 7440-48-4 | |
| Iron, Dissolved | 264 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:04 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:04 | 7439-92-1 | |
| Manganese, Dissolved | 3080 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:04 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:04 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:27 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 20:19 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 20:19 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 20:19 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 20:19 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 20:19 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 20:19 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 20:19 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 20:19 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 20:19 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 20:19 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 20:19 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 20:19 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 20:19 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 20:19 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 20:19 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 20:19 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 20:19 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 20:19 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 20:19 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 20:19 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 20:19 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 20:19 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 20:19 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 20:19 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 20:19 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 20:19 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 20:19 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 20:19 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 20:19 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 20:19 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-8M **Lab ID: 40226033007** Collected: 04/26/21 14:02 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 20:19 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 20:19 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 20:19 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 20:19 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 20:19 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 20:19 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 20:19 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 20:19 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 20:19 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 20:19 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 20:19 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 20:19 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 20:19 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 20:19 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 20:19 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 20:19 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 20:19 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 20:19 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 20:19 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 20:19 | 99-87-6 | |
| sec-Butylbenzene | 2.1 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 20:19 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 20:19 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 20:19 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 20:19 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 04/30/21 20:19 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 04/30/21 20:19 | 2199-69-1 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 04/30/21 20:19 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|----------|--|--|---|--|----------------|-----------|--|
| Field Specific Conductance | 6.0 | umhos/cm | | | 1 | | 04/26/21 14:02 | | |
| Oxygen, Dissolved | 1.69 | mg/L | | | 1 | | 04/26/21 14:02 | 7782-44-7 | |
| REDOX | 136.6 | mV | | | 1 | | 04/26/21 14:02 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 14:02 | | |
| Static Water Level | 644.56 | feet | | | 1 | | 04/26/21 14:02 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 14:02 | | |
| Odor | N | no units | | | 1 | | 04/26/21 14:02 | | |
| Temperature, Water (C) | 10.28 | deg C | | | 1 | | 04/26/21 14:02 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 251 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:07 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-8M **Lab ID: 40226033007** Collected: 04/26/21 14:02 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|------------|---|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | |
| Total Organic Carbon | 2.2 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:04 | 7440-44-0 | |
| Total Organic Carbon | 2.2 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:04 | 7440-44-0 | |
| Total Organic Carbon | 2.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:04 | 7440-44-0 | |
| Total Organic Carbon | 2.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:04 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.3 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:04 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-9M **Lab ID: 40226033008** Collected: 04/27/21 10:51 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|-------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:06 | 7440-38-2 | |
| Barium, Dissolved | 167 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:06 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:06 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:06 | 7440-48-4 | |
| Iron, Dissolved | 2360 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:06 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:06 | 7439-92-1 | |
| Manganese, Dissolved | 870 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:06 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:06 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:29 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.62 | Std. Units | | | 1 | | 04/27/21 10:51 | | |
| Field Specific Conductance | 296.0 | umhos/cm | | | 1 | | 04/27/21 10:51 | | |
| Oxygen, Dissolved | 1.79 | mg/L | | | 1 | | 04/27/21 10:51 | 7782-44-7 | |
| REDOX | 334.6 | mV | | | 1 | | 04/27/21 10:51 | | |
| Turbidity | N | no units | | | 1 | | 04/27/21 10:51 | | |
| Static Water Level | 644.31 | feet | | | 1 | | 04/27/21 10:51 | | |
| Apparent Color | N | no units | | | 1 | | 04/27/21 10:51 | | |
| Odor | N | no units | | | 1 | | 04/27/21 10:51 | | |
| Temperature, Water (C) | 10.92 | deg C | 10.42 | | 1 | | 04/27/21 10:51 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 197 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:20 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:26 | 7440-44-0 | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:26 | 7440-44-0 | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:26 | 7440-44-0 | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:26 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:26 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-11M **Lab ID: 40226033009** Collected: 04/27/21 10:14 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:09 | 7440-38-2 | |
| Barium, Dissolved | 215 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:09 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:09 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:09 | 7440-48-4 | |
| Iron, Dissolved | 3070 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:09 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:09 | 7439-92-1 | |
| Manganese, Dissolved | 1190 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:09 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:09 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:32 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.05 | Std. Units | | | 1 | | 04/27/21 10:14 | | |
| Field Specific Conductance | 291.00 | umhos/cm | | | 1 | | 04/27/21 10:14 | | |
| Oxygen, Dissolved | 3.70 | mg/L | | | 1 | | 04/27/21 10:14 | 7782-44-7 | |
| REDOX | 65.8 | mV | | | 1 | | 04/27/21 10:14 | | |
| Turbidity | N | no units | | | 1 | | 04/27/21 10:14 | | |
| Static Water Level | 644.41 | feet | | | 1 | | 04/27/21 10:14 | | |
| Apparent Color | N | no units | | | 1 | | 04/27/21 10:14 | | |
| Odor | N | no units | | | 1 | | 04/27/21 10:14 | | |
| Temperature, Water (C) | 10.35 | deg C | | | 1 | | 04/27/21 10:14 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 189 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:21 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:48 | 7440-44-0 | |
| Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:48 | 7440-44-0 | |
| Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:48 | 7440-44-0 | |
| Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:48 | 7440-44-0 | |
| Mean Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 21:48 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-10M **Lab ID: 40226033010** Collected: 04/27/21 11:59 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:11 | 7440-38-2 | |
| Barium, Dissolved | 37.4 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:11 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:11 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:11 | 7440-48-4 | |
| Iron, Dissolved | <56.7 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:11 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:11 | 7439-92-1 | |
| Manganese, Dissolved | 1260 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:11 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:11 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:34 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.46 | Std. Units | | | 1 | | 04/27/21 11:59 | | |
| Field Specific Conductance | 233.0 | umhos/cm | | | 1 | | 04/27/21 11:59 | | |
| Oxygen, Dissolved | 1.58 | mg/L | | | 1 | | 04/27/21 11:59 | 7782-44-7 | |
| REDOX | 327.0 | mV | | | 1 | | 04/27/21 11:59 | | |
| Turbidity | N | no units | | | 1 | | 04/27/21 11:59 | | |
| Static Water Level | 644.34 | feet | | | 1 | | 04/27/21 11:59 | | |
| Apparent Color | N | no units | | | 1 | | 04/27/21 11:59 | | |
| Odor | N | no units | | | 1 | | 04/27/21 11:59 | | |
| Temperature, Water (C) | 10.67 | deg C | | | 1 | | 04/27/21 11:59 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 153 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:22 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:09 | 7440-44-0 | |
| Total Organic Carbon | 2.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:09 | 7440-44-0 | |
| Total Organic Carbon | 2.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:09 | 7440-44-0 | |
| Total Organic Carbon | 2.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:09 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.1 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:09 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-12S **Lab ID: 40226033011** Collected: 04/26/21 12:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:14 | 7440-38-2 | |
| Barium, Dissolved | 18.5 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:14 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:14 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:14 | 7440-48-4 | |
| Iron, Dissolved | <56.7 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:14 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:14 | 7439-92-1 | |
| Manganese, Dissolved | <1.5 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:14 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:14 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:36 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:18 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 21:18 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 21:18 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:18 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 21:18 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 21:18 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 21:18 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 21:18 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 21:18 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 21:18 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 21:18 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:18 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 21:18 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 21:18 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 21:18 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 21:18 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 21:18 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 21:18 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:18 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:18 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 21:18 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 21:18 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:18 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 21:18 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 21:18 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 21:18 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 21:18 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 21:18 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 21:18 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 21:18 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-12S **Lab ID: 40226033011** Collected: 04/26/21 12:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 21:18 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 21:18 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 21:18 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 21:18 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:18 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 21:18 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:18 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:18 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 21:18 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 21:18 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 21:18 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 21:18 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:18 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 21:18 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 21:18 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 21:18 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:18 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 21:18 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 21:18 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 21:18 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:18 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 21:18 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 21:18 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 21:18 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 98 | % | 70-130 | | 1 | | 04/30/21 21:18 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 04/30/21 21:18 | 2199-69-1 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 04/30/21 21:18 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 7.36 | Std. Units | | | 1 | | 04/26/21 12:00 | | |
| Field Specific Conductance | 270.0 | umhos/cm | | | 1 | | 04/26/21 12:00 | | |
| Oxygen, Dissolved | 5.76 | mg/L | | | 1 | | 04/26/21 12:00 | 7782-44-7 | |
| REDOX | -18.5 | mV | | | 1 | | 04/26/21 12:00 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 12:00 | | |
| Static Water Level | 644.60 | feet | | | 1 | | 04/26/21 12:00 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 12:00 | | |
| Odor | N | no units | | | 1 | | 04/26/21 12:00 | | |
| Temperature, Water (C) | 8.89 | deg C | | | 1 | | 04/26/21 12:00 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 225 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:08 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-12S **Lab ID: 40226033011** Collected: 04/26/21 12:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | |
| Total Organic Carbon | 0.77 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:51 | 7440-44-0 | |
| Total Organic Carbon | 0.74 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:51 | 7440-44-0 | |
| Total Organic Carbon | 0.73 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:51 | 7440-44-0 | |
| Total Organic Carbon | 0.75 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:51 | 7440-44-0 | |
| Mean Total Organic Carbon | 0.75 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 22:51 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PZ-3 **Lab ID: 40226033012** Collected: 04/27/21 13:45 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:21 | 7440-38-2 | |
| Barium, Dissolved | 141 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:21 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:21 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:21 | 7440-48-4 | |
| Iron, Dissolved | 357 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:21 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:21 | 7439-92-1 | |
| Manganese, Dissolved | 4300 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:21 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:21 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:39 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.36 | Std. Units | | | 1 | | 04/27/21 13:45 | | |
| Field Specific Conductance | 262.0 | umhos/cm | | | 1 | | 04/27/21 13:45 | | |
| Oxygen, Dissolved | 1.30 | mg/L | | | 1 | | 04/27/21 13:45 | 7782-44-7 | |
| REDOX | -30.4 | mV | | | 1 | | 04/27/21 13:45 | | |
| Turbidity | N | no units | | | 1 | | 04/27/21 13:45 | | |
| Static Water Level | 644.78 | feet | | | 1 | | 04/27/21 13:45 | | |
| Apparent Color | N | no units | | | 1 | | 04/27/21 13:45 | | |
| Odor | N | no units | | | 1 | | 04/27/21 13:45 | | |
| Temperature, Water (C) | 9.30 | deg C | | | 1 | | 04/27/21 13:45 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 232 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:23 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.0 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:12 | 7440-44-0 | |
| Total Organic Carbon | 2.0 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:12 | 7440-44-0 | |
| Total Organic Carbon | 2.0 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:12 | 7440-44-0 | |
| Total Organic Carbon | 2.0 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:12 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.0 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:12 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PZ-4 **Lab ID: 40226033013** Collected: 04/27/21 12:33 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:24 | 7440-38-2 | |
| Barium, Dissolved | 273 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:24 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:24 | 7440-43-9 | |
| Cobalt, Dissolved | 2.8J | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:24 | 7440-48-4 | |
| Iron, Dissolved | 59.7J | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:24 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:24 | 7439-92-1 | |
| Manganese, Dissolved | 3840 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:24 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:24 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:41 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.01 | Std. Units | | | 1 | | 04/27/21 12:33 | | |
| Field Specific Conductance | 371.0 | umhos/cm | | | 1 | | 04/27/21 12:33 | | |
| Oxygen, Dissolved | 1.51 | mg/L | | | 1 | | 04/27/21 12:33 | 7782-44-7 | |
| REDOX | 34.6 | mV | | | 1 | | 04/27/21 12:33 | | |
| Turbidity | N | no units | | | 1 | | 04/27/21 12:33 | | |
| Static Water Level | 644.55 | feet | | | 1 | | 04/27/21 12:33 | | |
| Apparent Color | N | no units | | | 1 | | 04/27/21 12:33 | | |
| Odor | N | no units | | | 1 | | 04/27/21 12:33 | | |
| Temperature, Water (C) | 9.27 | deg C | | | 1 | | 04/27/21 12:33 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 295 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:27 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.9 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:34 | 7440-44-0 | |
| Total Organic Carbon | 2.9 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:34 | 7440-44-0 | |
| Total Organic Carbon | 3.0 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:34 | 7440-44-0 | |
| Total Organic Carbon | 3.0 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:34 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.9 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:34 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
 Pace Project No.: 40226033

Sample: PZ-5 **Lab ID: 40226033014** Collected: 04/26/21 11:07 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:26 | 7440-38-2 | |
| Barium, Dissolved | 117 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:26 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:26 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:26 | 7440-48-4 | |
| Iron, Dissolved | 4540 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:26 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:26 | 7439-92-1 | |
| Manganese, Dissolved | 908 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:26 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:26 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 09:43 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/03/21 12:47 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 05/03/21 12:47 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 05/03/21 12:47 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/03/21 12:47 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 05/03/21 12:47 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | 79.8 | ug/L | 1.0 | 0.45 | 1 | | 05/03/21 12:47 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 05/03/21 12:47 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 05/03/21 12:47 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/03/21 12:47 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/03/21 12:47 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/03/21 12:47 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/03/21 12:47 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 05/03/21 12:47 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 05/03/21 12:47 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 05/03/21 12:47 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 05/03/21 12:47 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 05/03/21 12:47 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 05/03/21 12:47 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/03/21 12:47 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/03/21 12:47 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 05/03/21 12:47 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/03/21 12:47 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/03/21 12:47 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 05/03/21 12:47 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/03/21 12:47 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 05/03/21 12:47 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/03/21 12:47 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 05/03/21 12:47 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 05/03/21 12:47 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 05/03/21 12:47 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PZ-5 **Lab ID: 40226033014** Collected: 04/26/21 11:07 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 05/03/21 12:47 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/03/21 12:47 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 05/03/21 12:47 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 1.1J | ug/L | 5.0 | 1.0 | 1 | | 05/03/21 12:47 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/03/21 12:47 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 05/03/21 12:47 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/03/21 12:47 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/03/21 12:47 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 05/03/21 12:47 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 05/03/21 12:47 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/03/21 12:47 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 05/03/21 12:47 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/03/21 12:47 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 05/03/21 12:47 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 05/03/21 12:47 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 05/03/21 12:47 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/03/21 12:47 | 10061-01-5 | |
| n-Butylbenzene | 1.4 | ug/L | 1.0 | 0.86 | 1 | | 05/03/21 12:47 | 104-51-8 | |
| n-Propylbenzene | 1.2 | ug/L | 1.0 | 0.35 | 1 | | 05/03/21 12:47 | 103-65-1 | |
| p-Isopropyltoluene | 2.2J | ug/L | 5.0 | 1.0 | 1 | | 05/03/21 12:47 | 99-87-6 | |
| sec-Butylbenzene | 4.8 | ug/L | 1.0 | 0.42 | 1 | | 05/03/21 12:47 | 135-98-8 | |
| tert-Butylbenzene | 0.95J | ug/L | 1.0 | 0.59 | 1 | | 05/03/21 12:47 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 05/03/21 12:47 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 05/03/21 12:47 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 05/03/21 12:47 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 05/03/21 12:47 | 2199-69-1 | |
| Toluene-d8 (S) | 95 | % | 70-130 | | 1 | | 05/03/21 12:47 | 2037-26-5 | |

Field Data

Analytical Method:

Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 7.22 | Std. Units | | | 1 | | 04/26/21 11:07 | | |
| Field Specific Conductance | 217.0 | umhos/cm | | | 1 | | 04/26/21 11:07 | | |
| Oxygen, Dissolved | 4.70 | mg/L | | | 1 | | 04/26/21 11:07 | 7782-44-7 | |
| REDOX | -100.9 | mV | | | 1 | | 04/26/21 11:07 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 11:07 | | |
| Static Water Level | 644.69 | feet | | | 1 | | 04/26/21 11:07 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 11:07 | | |
| Odor | N | no units | | | 1 | | 04/26/21 11:07 | | |
| Temperature, Water (C) | 8.85 | deg C | | | 1 | | 04/26/21 11:07 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2

Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 184 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:09 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PZ-5 **Lab ID: 40226033014** Collected: 04/26/21 11:07 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|-------------|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 0.99 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:57 | 7440-44-0 | |
| Total Organic Carbon | 0.98 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:57 | 7440-44-0 | |
| Total Organic Carbon | 0.99 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:57 | 7440-44-0 | |
| Total Organic Carbon | 0.98 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:57 | 7440-44-0 | |
| Mean Total Organic Carbon | 0.98 | mg/L | 0.50 | 0.085 | 1 | | 05/04/21 23:57 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Sample Project No.: 40226033

Sample: PZ-6 **Lab ID: 40226033015** Collected: 04/26/21 11:25 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:29 | 7440-38-2 | |
| Barium, Dissolved | 20.6 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:29 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:29 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:29 | 7440-48-4 | |
| Iron, Dissolved | <56.7 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:29 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:29 | 7439-92-1 | |
| Manganese, Dissolved | <1.5 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:29 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:29 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 10:30 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:37 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 21:37 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 21:37 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:37 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 21:37 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 21:37 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 21:37 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 21:37 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 21:37 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 21:37 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 21:37 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:37 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 21:37 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 21:37 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 21:37 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 21:37 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 21:37 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 21:37 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:37 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:37 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 21:37 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 21:37 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:37 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 21:37 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 21:37 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 21:37 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 21:37 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 21:37 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 21:37 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 21:37 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: PZ-6 **Lab ID: 40226033015** Collected: 04/26/21 11:25 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 21:37 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 21:37 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 21:37 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 21:37 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:37 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 21:37 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:37 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:37 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 21:37 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 21:37 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 21:37 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 21:37 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:37 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 21:37 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 21:37 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 21:37 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:37 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 21:37 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 21:37 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 21:37 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:37 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 21:37 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 21:37 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 21:37 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 04/30/21 21:37 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 70-130 | | 1 | | 04/30/21 21:37 | 2199-69-1 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 04/30/21 21:37 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 7.36 | Std. Units | | | 1 | | 04/26/21 11:25 | | |
| Field Specific Conductance | 252.0 | umhos/cm | | | 1 | | 04/26/21 11:25 | | |
| Oxygen, Dissolved | 7.75 | mg/L | | | 1 | | 04/26/21 11:25 | 7782-44-7 | |
| REDOX | -37.4 | mV | | | 1 | | 04/26/21 11:25 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 11:25 | | |
| Static Water Level | 644.64 | feet | | | 1 | | 04/26/21 11:25 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 11:25 | | |
| Odor | N | no units | | | 1 | | 04/26/21 11:25 | | |
| Temperature, Water (C) | 9.04 | deg C | | | 1 | | 04/26/21 11:25 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 218 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:13 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PZ-6 **Lab ID: 40226033015** Collected: 04/26/21 11:25 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|-------------|---|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | |
| Total Organic Carbon | 0.89 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:19 | 7440-44-0 | |
| Total Organic Carbon | 0.87 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:19 | 7440-44-0 | |
| Total Organic Carbon | 0.88 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:19 | 7440-44-0 | |
| Total Organic Carbon | 0.87 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:19 | 7440-44-0 | |
| Mean Total Organic Carbon | 0.88 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:19 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PW-2 **Lab ID: 40226033016** Collected: 04/28/21 12:25 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/04/21 05:50 | 05/04/21 18:52 | 7440-38-2 | |
| Barium | 126 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 18:52 | 7440-39-3 | |
| Cadmium | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/04/21 05:50 | 05/04/21 18:52 | 7440-43-9 | |
| Cobalt | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/04/21 05:50 | 05/04/21 18:52 | 7440-48-4 | |
| Iron | 186 | ug/L | 100 | 56.7 | 1 | 05/07/21 07:59 | 05/10/21 14:36 | 7439-89-6 | |
| Lead | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/04/21 05:50 | 05/04/21 18:52 | 7439-92-1 | |
| Manganese | 614 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 18:52 | 7439-96-5 | |
| Vanadium | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/04/21 05:50 | 05/04/21 18:52 | 7440-62-2 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/07/21 09:50 | 05/10/21 10:01 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:57 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 21:57 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 21:57 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:57 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 21:57 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 21:57 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 21:57 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 21:57 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 21:57 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 21:57 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 21:57 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:57 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 21:57 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 21:57 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 21:57 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 21:57 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 21:57 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 21:57 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 21:57 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:57 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 21:57 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 21:57 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:57 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 21:57 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 21:57 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 21:57 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 21:57 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 21:57 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 21:57 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 21:57 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PW-2 Lab ID: 40226033016 Collected: 04/28/21 12:25 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 21:57 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 21:57 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 21:57 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 21:57 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:57 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 21:57 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 21:57 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:57 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 21:57 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 21:57 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 21:57 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 21:57 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:57 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 21:57 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 21:57 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 21:57 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 21:57 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 21:57 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 21:57 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 21:57 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 21:57 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 21:57 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 21:57 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 21:57 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 99 | % | 70-130 | | 1 | | 04/30/21 21:57 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 04/30/21 21:57 | 2199-69-1 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 04/30/21 21:57 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: PW-3 Lab ID: 40226033017 Collected: 04/28/21 12:10 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/04/21 05:50 | 05/04/21 19:01 | 7440-38-2 | |
| Barium | <1.5 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 19:01 | 7440-39-3 | |
| Cadmium | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/04/21 05:50 | 05/04/21 19:01 | 7440-43-9 | |
| Cobalt | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/04/21 05:50 | 05/04/21 19:01 | 7440-48-4 | |
| Iron | 89.8J | ug/L | 100 | 56.7 | 1 | 05/07/21 07:59 | 05/10/21 14:41 | 7439-89-6 | |
| Lead | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/04/21 05:50 | 05/04/21 19:01 | 7439-92-1 | |
| Manganese | <1.5 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 19:01 | 7439-96-5 | |
| Vanadium | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/04/21 05:50 | 05/04/21 19:01 | 7440-62-2 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/07/21 09:50 | 05/10/21 10:13 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:16 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 22:16 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 22:16 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:16 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 22:16 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 22:16 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 22:16 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 22:16 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 22:16 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 22:16 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 22:16 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:16 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 22:16 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 22:16 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 22:16 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 22:16 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 22:16 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 22:16 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:16 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:16 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 22:16 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 22:16 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:16 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 22:16 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 22:16 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 22:16 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 22:16 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 22:16 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 22:16 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 22:16 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PW-3 **Lab ID: 40226033017** Collected: 04/28/21 12:10 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 22:16 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 22:16 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 22:16 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 22:16 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:16 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 22:16 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:16 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:16 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 22:16 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 22:16 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 22:16 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 22:16 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:16 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 22:16 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 22:16 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 22:16 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:16 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 22:16 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 22:16 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 22:16 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:16 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 22:16 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 22:16 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 22:16 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 04/30/21 22:16 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 04/30/21 22:16 | 2199-69-1 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 04/30/21 22:16 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: PW-4 **Lab ID: 40226033018** Collected: 04/28/21 12:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/04/21 05:50 | 05/04/21 19:06 | 7440-38-2 | |
| Barium | <1.5 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 19:06 | 7440-39-3 | |
| Cadmium | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/04/21 05:50 | 05/04/21 19:06 | 7440-43-9 | |
| Cobalt | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/04/21 05:50 | 05/04/21 19:06 | 7440-48-4 | |
| Iron | <56.7 | ug/L | 100 | 56.7 | 1 | 05/07/21 07:59 | 05/10/21 14:43 | 7439-89-6 | |
| Lead | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/04/21 05:50 | 05/04/21 19:06 | 7439-92-1 | |
| Manganese | <1.5 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 19:06 | 7439-96-5 | |
| Vanadium | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/04/21 05:50 | 05/04/21 19:06 | 7440-62-2 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/07/21 09:50 | 05/10/21 10:15 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:36 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 22:36 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 22:36 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:36 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 22:36 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 22:36 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 22:36 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 22:36 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 22:36 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 22:36 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 22:36 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:36 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 22:36 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 22:36 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 22:36 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 22:36 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 22:36 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 22:36 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:36 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:36 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 22:36 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 22:36 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:36 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 22:36 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 22:36 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 22:36 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 22:36 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 22:36 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 22:36 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 22:36 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: **PW-4** Lab ID: **40226033018** Collected: 04/28/21 12:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 22:36 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 22:36 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 22:36 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 22:36 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:36 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 22:36 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:36 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:36 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 22:36 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 22:36 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 22:36 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 22:36 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:36 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 22:36 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 22:36 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 22:36 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:36 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 22:36 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 22:36 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 22:36 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:36 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 22:36 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 22:36 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 22:36 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | % | 70-130 | | 1 | | 04/30/21 22:36 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 70-130 | | 1 | | 04/30/21 22:36 | 2199-69-1 | |
| Toluene-d8 (S) | 95 | % | 70-130 | | 1 | | 04/30/21 22:36 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: PW-5 **Lab ID: 40226033019** Collected: 04/28/21 12:40 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/04/21 05:50 | 05/04/21 19:13 | 7440-38-2 | |
| Barium | 26.6 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 19:13 | 7440-39-3 | |
| Cadmium | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/04/21 05:50 | 05/04/21 19:13 | 7440-43-9 | |
| Cobalt | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/04/21 05:50 | 05/04/21 19:13 | 7440-48-4 | |
| Iron | 786 | ug/L | 100 | 56.7 | 1 | 05/07/21 07:59 | 05/10/21 14:51 | 7439-89-6 | |
| Lead | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/04/21 05:50 | 05/04/21 19:13 | 7439-92-1 | |
| Manganese | 279 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 19:13 | 7439-96-5 | |
| Vanadium | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/04/21 05:50 | 05/04/21 19:13 | 7440-62-2 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/07/21 09:50 | 05/10/21 10:17 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:55 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 22:55 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 22:55 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:55 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 22:55 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 22:55 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 22:55 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 22:55 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 22:55 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 22:55 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 22:55 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:55 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 22:55 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 22:55 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 22:55 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 22:55 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 22:55 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 22:55 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 22:55 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:55 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 22:55 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 22:55 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:55 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 22:55 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 22:55 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 22:55 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 22:55 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 22:55 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 22:55 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 22:55 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PW-5 **Lab ID: 40226033019** Collected: 04/28/21 12:40 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 22:55 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 22:55 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 22:55 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 22:55 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:55 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 22:55 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 22:55 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:55 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 22:55 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 22:55 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 22:55 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 22:55 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:55 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 22:55 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 22:55 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 22:55 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 22:55 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 22:55 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 22:55 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 22:55 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 22:55 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 22:55 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 22:55 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 22:55 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 99 | % | 70-130 | | 1 | | 04/30/21 22:55 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 04/30/21 22:55 | 2199-69-1 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 04/30/21 22:55 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: PW-6 **Lab ID: 40226033020** Collected: 04/28/21 12:50 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/04/21 05:50 | 05/04/21 19:16 | 7440-38-2 | |
| Barium | 44.5 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 19:16 | 7440-39-3 | |
| Cadmium | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/04/21 05:50 | 05/04/21 19:16 | 7440-43-9 | |
| Cobalt | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/04/21 05:50 | 05/04/21 19:16 | 7440-48-4 | |
| Iron | 1390 | ug/L | 100 | 56.7 | 1 | 05/07/21 07:59 | 05/10/21 14:53 | 7439-89-6 | |
| Lead | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/04/21 05:50 | 05/04/21 19:16 | 7439-92-1 | |
| Manganese | 86.4 | ug/L | 5.0 | 1.5 | 1 | 05/04/21 05:50 | 05/04/21 19:16 | 7439-96-5 | |
| Vanadium | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/04/21 05:50 | 05/04/21 19:16 | 7440-62-2 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/07/21 09:50 | 05/10/21 10:20 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 23:15 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 23:15 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 23:15 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 23:15 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 23:15 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 23:15 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 23:15 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 23:15 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 23:15 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 23:15 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 23:15 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 23:15 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 23:15 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 23:15 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 23:15 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 23:15 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 23:15 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 23:15 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 23:15 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 23:15 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 23:15 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 23:15 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 23:15 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 23:15 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 23:15 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 23:15 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 23:15 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 23:15 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 23:15 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 23:15 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: PW-6 **Lab ID: 40226033020** Collected: 04/28/21 12:50 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 23:15 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 23:15 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 23:15 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 23:15 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 23:15 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 23:15 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 23:15 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 23:15 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 23:15 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 23:15 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 23:15 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 23:15 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 23:15 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 23:15 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 23:15 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 23:15 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 23:15 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 23:15 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 23:15 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 23:15 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 23:15 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 23:15 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 23:15 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 23:15 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 04/30/21 23:15 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 70-130 | | 1 | | 04/30/21 23:15 | 2199-69-1 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 04/30/21 23:15 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-11M DUP **Lab ID: 40226033021** Collected: 04/27/21 00:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:31 | 7440-38-2 | |
| Barium, Dissolved | 208 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:31 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:31 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:31 | 7440-48-4 | |
| Iron, Dissolved | 2970 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:31 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:31 | 7439-92-1 | |
| Manganese, Dissolved | 1150 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:31 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:31 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 10:32 | 7439-97-6 | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 190 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:28 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:40 | 7440-44-0 | |
| Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:40 | 7440-44-0 | |
| Total Organic Carbon | 1.0 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:40 | 7440-44-0 | |
| Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:40 | 7440-44-0 | |
| Mean Total Organic Carbon | 1.1 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 00:40 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-6S DUP **Lab ID: 40226033022** Collected: 04/27/21 00:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:33 | 7440-38-2 | |
| Barium, Dissolved | 285 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:33 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:33 | 7440-43-9 | |
| Cobalt, Dissolved | 1.7J | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:33 | 7440-48-4 | |
| Iron, Dissolved | 240 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:33 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:33 | 7439-92-1 | |
| Manganese, Dissolved | 3750 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:33 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:33 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 10:34 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 23:34 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 23:34 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 23:34 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 23:34 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 23:34 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 23:34 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 23:34 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 23:34 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 23:34 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 23:34 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 23:34 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 23:34 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 23:34 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 23:34 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 23:34 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 23:34 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 23:34 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 23:34 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 23:34 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 23:34 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 23:34 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 23:34 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 23:34 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 23:34 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 23:34 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 23:34 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 23:34 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 23:34 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 23:34 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 23:34 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-6S DUP **Lab ID: 40226033022** Collected: 04/27/21 00:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|-------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 23:34 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 23:34 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 23:34 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 23:34 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 23:34 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 23:34 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 23:34 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 23:34 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 23:34 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 23:34 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 23:34 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 23:34 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 23:34 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 23:34 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 23:34 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 23:34 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 23:34 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 23:34 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 23:34 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 23:34 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 23:34 | 135-98-8 | |
| tert-Butylbenzene | 2.6 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 23:34 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 23:34 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 23:34 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 04/30/21 23:34 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 70-130 | | 1 | | 04/30/21 23:34 | 2199-69-1 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 04/30/21 23:34 | 2037-26-5 | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 238 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:29 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 3.4 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 01:45 | 7440-44-0 | |
| Total Organic Carbon | 3.4 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 01:45 | 7440-44-0 | |
| Total Organic Carbon | 3.4 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 01:45 | 7440-44-0 | |
| Total Organic Carbon | 3.4 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 01:45 | 7440-44-0 | |
| Mean Total Organic Carbon | 3.4 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 01:45 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: TRIP BLANK Lab ID: 40226033023 Collected: 04/26/21 10:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|------|------|----|----------|----------------|-----------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:01 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 04/30/21 19:01 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 04/30/21 19:01 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:01 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 04/30/21 19:01 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 19:01 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 04/30/21 19:01 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 04/30/21 19:01 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 19:01 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 19:01 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 04/30/21 19:01 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:01 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 19:01 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 04/30/21 19:01 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 04/30/21 19:01 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 04/30/21 19:01 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 04/30/21 19:01 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 04/30/21 19:01 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 04/30/21 19:01 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:01 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 04/30/21 19:01 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 19:01 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:01 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 04/30/21 19:01 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 19:01 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 04/30/21 19:01 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 04/30/21 19:01 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 04/30/21 19:01 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 04/30/21 19:01 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 04/30/21 19:01 | 74-95-3 | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 04/30/21 19:01 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 04/30/21 19:01 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 04/30/21 19:01 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 19:01 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:01 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 04/30/21 19:01 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 04/30/21 19:01 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:01 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 04/30/21 19:01 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 04/30/21 19:01 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 04/30/21 19:01 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 04/30/21 19:01 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:01 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 04/30/21 19:01 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 04/30/21 19:01 | 1330-20-7 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: TRIP BLANK **Lab ID: 40226033023** Collected: 04/26/21 10:00 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 04/30/21 19:01 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 04/30/21 19:01 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 04/30/21 19:01 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 04/30/21 19:01 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 04/30/21 19:01 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 04/30/21 19:01 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 04/30/21 19:01 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 04/30/21 19:01 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 04/30/21 19:01 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 04/30/21 19:01 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 70-130 | | 1 | | 04/30/21 19:01 | 2199-69-1 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 04/30/21 19:01 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-15M **Lab ID: 40226033024** Collected: 04/26/21 13:40 Received: 04/29/21 09:30 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3010 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/03/21 12:15 | 05/04/21 15:36 | 7440-38-2 | |
| Barium, Dissolved | 467 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:36 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/03/21 12:15 | 05/04/21 15:36 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/03/21 12:15 | 05/04/21 15:36 | 7440-48-4 | |
| Iron, Dissolved | 376 | ug/L | 100 | 56.7 | 1 | 05/03/21 12:15 | 05/04/21 15:36 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/03/21 12:15 | 05/04/21 15:36 | 7439-92-1 | |
| Manganese, Dissolved | 1810 | ug/L | 5.0 | 1.5 | 1 | 05/03/21 12:15 | 05/04/21 15:36 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/03/21 12:15 | 05/04/21 15:36 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/04/21 10:25 | 05/05/21 10:37 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.54 | Std. Units | | | 1 | | 04/26/21 13:40 | | |
| Field Specific Conductance | 179.0 | umhos/cm | | | 1 | | 04/26/21 13:40 | | |
| Oxygen, Dissolved | 20.5 | mg/L | 2.05 | | 1 | | 04/26/21 13:40 | 7782-44-7 | |
| REDOX | -90.2 | mV | | | 1 | | 04/26/21 13:40 | | |
| Turbidity | N | no units | | | 1 | | 04/26/21 13:40 | | |
| Static Water Level | 644.57 | feet | | | 1 | | 04/26/21 13:40 | | |
| Apparent Color | N | no units | | | 1 | | 04/26/21 13:40 | | |
| Odor | N | no units | | | 1 | | 04/26/21 13:40 | | |
| Temperature, Water (C) | 10.44 | deg C | | | 1 | | 04/26/21 13:40 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 133 | mg/L | 24.8 | 7.4 | 1 | | 04/30/21 13:17 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.8 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 02:08 | 7440-44-0 | |
| Total Organic Carbon | 2.8 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 02:08 | 7440-44-0 | |
| Total Organic Carbon | 2.8 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 02:08 | 7440-44-0 | |
| Total Organic Carbon | 2.8 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 02:08 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.8 | mg/L | 0.50 | 0.085 | 1 | | 05/05/21 02:08 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-2S **Lab ID: 40226352001** Collected: 04/29/21 15:23 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 17:30 | 7440-38-2 | |
| Barium, Dissolved | 142 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:30 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 17:30 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 17:30 | 7440-48-4 | |
| Iron, Dissolved | 32700 | ug/L | 1000 | 567 | 10 | 05/14/21 07:26 | 05/18/21 14:01 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 17:30 | 7439-92-1 | |
| Manganese, Dissolved | 946 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:30 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 17:30 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 09:57 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 6.39 | Std. Units | | | 1 | | 04/29/21 15:23 | | |
| Field Specific Conductance | 356.0 | umhos/cm | | | 1 | | 04/29/21 15:23 | | |
| Oxygen, Dissolved | 1.54 | mg/L | | | 1 | | 04/29/21 15:23 | 7782-44-7 | |
| REDOX | -91.1 | mV | | | 1 | | 04/29/21 15:23 | | |
| Turbidity | N | no units | | | 1 | | 04/29/21 15:23 | | |
| Static Water Level | 645.04 | feet | | | 1 | | 04/29/21 15:23 | | |
| Apparent Color | N | no units | | | 1 | | 04/29/21 15:23 | | |
| Odor | N | no units | | | 1 | | 04/29/21 15:23 | | |
| Temperature, Water (C) | 6.74 | deg C | | | 1 | | 04/29/21 15:23 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 195 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:45 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 5.3 | mg/L | 1.0 | 0.17 | 2 | | 05/06/21 11:13 | 7440-44-0 | |
| Total Organic Carbon | 5.3 | mg/L | 1.0 | 0.17 | 2 | | 05/06/21 11:13 | 7440-44-0 | |
| Total Organic Carbon | 5.4 | mg/L | 1.0 | 0.17 | 2 | | 05/06/21 11:13 | 7440-44-0 | |
| Total Organic Carbon | 5.5 | mg/L | 1.0 | 0.17 | 2 | | 05/06/21 11:13 | 7440-44-0 | |
| Mean Total Organic Carbon | 5.4 | mg/L | 1.0 | 0.17 | 2 | | 05/06/21 11:13 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-2M **Lab ID: 40226352002** Collected: 04/29/21 15:37 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|------------------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | 18.2J | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 17:39 | 7440-38-2 | |
| Barium, Dissolved | 506 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:39 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 17:39 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 17:39 | 7440-48-4 | |
| Iron, Dissolved | 9750 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 17:39 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 17:39 | 7439-92-1 | |
| Manganese, Dissolved | 906 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:39 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 17:39 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 09:59 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.22 | Std. Units | | | 1 | | 04/29/21 15:37 | | |
| Field Specific Conductance | 203.0 | umhos/cm | | | 1 | | 04/29/21 15:37 | | |
| Oxygen, Dissolved | 1.01 | mg/L | | | 1 | | 04/29/21 15:37 | 7782-44-7 | |
| REDOX | -178.0 | mV | | | 1 | | 04/29/21 15:37 | | |
| Turbidity | N | no units | | | 1 | | 04/29/21 15:37 | | |
| Static Water Level | 645.01 | feet | | | 1 | | 04/29/21 15:37 | | |
| Apparent Color | N | no units | | | 1 | | 04/29/21 15:37 | | |
| Odor | N | no units | | | 1 | | 04/29/21 15:37 | | |
| Temperature, Water (C) | 6.70 | deg C | | | 1 | | 04/29/21 15:37 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 126 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:46 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 4.5 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 12:23 | 7440-44-0 | |
| Total Organic Carbon | 4.6 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 12:23 | 7440-44-0 | |
| Total Organic Carbon | 4.5 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 12:23 | 7440-44-0 | |
| Total Organic Carbon | 4.6 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 12:23 | 7440-44-0 | |
| Mean Total Organic Carbon | 4.5 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 12:23 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-5S **Lab ID: 40226352003** Collected: 04/29/21 16:23 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 17:44 | 7440-38-2 | |
| Barium, Dissolved | 165 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:44 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 17:44 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 17:44 | 7440-48-4 | |
| Iron, Dissolved | 13300 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 17:44 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 17:44 | 7439-92-1 | |
| Manganese, Dissolved | 777 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:44 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 17:44 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:02 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/12/21 17:02 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 05/12/21 17:02 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 05/12/21 17:02 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/12/21 17:02 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 05/12/21 17:02 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | 201 | ug/L | 1.0 | 0.45 | 1 | | 05/12/21 17:02 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 05/12/21 17:02 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 05/12/21 17:02 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/12/21 17:02 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/12/21 17:02 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/12/21 17:02 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | 13.3 | ug/L | 1.0 | 0.36 | 1 | | 05/12/21 17:02 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 05/12/21 17:02 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 05/12/21 17:02 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 05/12/21 17:02 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 05/12/21 17:02 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 05/12/21 17:02 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 05/12/21 17:02 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/12/21 17:02 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/12/21 17:02 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 05/12/21 17:02 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/12/21 17:02 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/12/21 17:02 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 05/12/21 17:02 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/12/21 17:02 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 05/12/21 17:02 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/12/21 17:02 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 05/12/21 17:02 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 05/12/21 17:02 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 05/12/21 17:02 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-5S **Lab ID: 40226352003** Collected: 04/29/21 16:23 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|------------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 05/12/21 17:02 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/12/21 17:02 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 05/12/21 17:02 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 18.8 | ug/L | 5.0 | 1.0 | 1 | | 05/12/21 17:02 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/12/21 17:02 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 05/12/21 17:02 | 75-09-2 | |
| Naphthalene | 12.1 | ug/L | 5.0 | 1.1 | 1 | | 05/12/21 17:02 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/12/21 17:02 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 05/12/21 17:02 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 05/12/21 17:02 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/12/21 17:02 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 05/12/21 17:02 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/12/21 17:02 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 05/12/21 17:02 | 75-01-4 | |
| Xylene (Total) | 7.0 | ug/L | 3.0 | 1.0 | 1 | | 05/12/21 17:02 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 05/12/21 17:02 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/12/21 17:02 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/12/21 17:02 | 104-51-8 | |
| n-Propylbenzene | 27.6 | ug/L | 1.0 | 0.35 | 1 | | 05/12/21 17:02 | 103-65-1 | |
| p-Isopropyltoluene | 3.1J | ug/L | 5.0 | 1.0 | 1 | | 05/12/21 17:02 | 99-87-6 | |
| sec-Butylbenzene | 10.1 | ug/L | 1.0 | 0.42 | 1 | | 05/12/21 17:02 | 135-98-8 | |
| tert-Butylbenzene | 11.9 | ug/L | 1.0 | 0.59 | 1 | | 05/12/21 17:02 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 05/12/21 17:02 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 05/12/21 17:02 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | % | 70-130 | | 1 | | 05/12/21 17:02 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 70-130 | | 1 | | 05/12/21 17:02 | 2199-69-1 | |
| Toluene-d8 (S) | 95 | % | 70-130 | | 1 | | 05/12/21 17:02 | 2037-26-5 | |
| Field Data | | | | | | | | | |
| Analytical Method: | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 6.75 | Std. Units | | | 1 | | 04/29/21 16:23 | | |
| Field Specific Conductance | 239.0 | umhos/cm | | | 1 | | 04/29/21 16:23 | | |
| Oxygen, Dissolved | 1.64 | mg/L | | | 1 | | 04/29/21 16:23 | 7782-44-7 | |
| REDOX | -108.7 | mV | | | 1 | | 04/29/21 16:23 | | |
| Turbidity | N | no units | | | 1 | | 04/29/21 16:23 | | |
| Static Water Level | 644.83 | feet | | | 1 | | 04/29/21 16:23 | | |
| Apparent Color | N | no units | | | 1 | | 04/29/21 16:23 | | |
| Odor | N | no units | | | 1 | | 04/29/21 16:23 | | |
| Temperature, Water (C) | 5.41 | deg C | | | 1 | | 04/29/21 16:23 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 173 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:47 | | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-5S **Lab ID: 40226352003** Collected: 04/29/21 16:23 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | |
| Total Organic Carbon | 3.0 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:32 | 7440-44-0 | |
| Total Organic Carbon | 3.1 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:32 | 7440-44-0 | |
| Total Organic Carbon | 3.2 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:32 | 7440-44-0 | |
| Total Organic Carbon | 3.2 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:32 | 7440-44-0 | |
| Mean Total Organic Carbon | 3.1 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:32 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-14S **Lab ID: 40226352004** Collected: 04/29/21 13:58 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 17:46 | 7440-38-2 | |
| Barium, Dissolved | 88.8 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:46 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 17:46 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 17:46 | 7440-48-4 | |
| Iron, Dissolved | 4460 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 17:46 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 17:46 | 7439-92-1 | |
| Manganese, Dissolved | 646 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:46 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 17:46 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:04 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 17:42 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 05/07/21 17:42 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 05/07/21 17:42 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 17:42 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 05/07/21 17:42 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | 7.3 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 17:42 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 05/07/21 17:42 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 05/07/21 17:42 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 17:42 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 17:42 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 17:42 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | 1.1 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 17:42 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 17:42 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 05/07/21 17:42 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 05/07/21 17:42 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 05/07/21 17:42 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 05/07/21 17:42 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 05/07/21 17:42 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 17:42 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 17:42 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 05/07/21 17:42 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 17:42 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 17:42 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 05/07/21 17:42 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 17:42 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 05/07/21 17:42 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 17:42 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 05/07/21 17:42 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 05/07/21 17:42 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 05/07/21 17:42 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-14S **Lab ID: 40226352004** Collected: 04/29/21 13:58 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 05/07/21 17:42 | 75-71-8 | |
| Ethylbenzene | 0.74J | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 17:42 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 05/07/21 17:42 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 1.8J | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 17:42 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 17:42 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 05/07/21 17:42 | 75-09-2 | |
| Naphthalene | 24.3 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 17:42 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 17:42 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 05/07/21 17:42 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 05/07/21 17:42 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 17:42 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 05/07/21 17:42 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 17:42 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 05/07/21 17:42 | 75-01-4 | |
| Xylene (Total) | 2.4J | ug/L | 3.0 | 1.0 | 1 | | 05/07/21 17:42 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 05/07/21 17:42 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 17:42 | 10061-01-5 | |
| n-Butylbenzene | 2.4 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 17:42 | 104-51-8 | |
| n-Propylbenzene | 2.3 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 17:42 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 17:42 | 99-87-6 | |
| sec-Butylbenzene | 1.5 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 17:42 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 05/07/21 17:42 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 05/07/21 17:42 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 05/07/21 17:42 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 104 | % | 70-130 | | 1 | | 05/07/21 17:42 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | % | 70-130 | | 1 | | 05/07/21 17:42 | 2199-69-1 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 05/07/21 17:42 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 6.65 | Std. Units | | | 1 | | 04/29/21 13:58 | | |
| Field Specific Conductance | 220.0 | umhos/cm | | | 1 | | 04/29/21 13:58 | | |
| Oxygen, Dissolved | 1.75 | mg/L | | | 1 | | 04/29/21 13:58 | 7782-44-7 | |
| REDOX | -79.1 | mV | | | 1 | | 04/29/21 13:58 | | |
| Turbidity | N | no units | | | 1 | | 04/29/21 13:58 | | |
| Static Water Level | 644.75 | feet | | | 1 | | 04/29/21 13:58 | | |
| Apparent Color | N | no units | | | 1 | | 04/29/21 13:58 | | |
| Odor | N | no units | | | 1 | | 04/29/21 13:58 | | |
| Temperature, Water (C) | 4.14 | deg C | | | 1 | | 04/29/21 13:58 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 183 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:48 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-14S **Lab ID: 40226352004** Collected: 04/29/21 13:58 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | |
| Total Organic Carbon | 2.8 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:56 | 7440-44-0 | |
| Total Organic Carbon | 2.9 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:56 | 7440-44-0 | |
| Total Organic Carbon | 3.0 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:56 | 7440-44-0 | |
| Total Organic Carbon | 3.0 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:56 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.9 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 13:56 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-16S **Lab ID: 40226352005** Collected: 04/30/21 11:13 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 17:49 | 7440-38-2 | |
| Barium, Dissolved | 190 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:49 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 17:49 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 17:49 | 7440-48-4 | |
| Iron, Dissolved | 14800 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 17:49 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 17:49 | 7439-92-1 | |
| Manganese, Dissolved | 1740 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:49 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 17:49 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:06 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:03 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 05/07/21 18:03 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 05/07/21 18:03 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:03 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 05/07/21 18:03 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 18:03 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 05/07/21 18:03 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 05/07/21 18:03 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 18:03 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 18:03 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 18:03 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:03 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 18:03 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 05/07/21 18:03 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 05/07/21 18:03 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 05/07/21 18:03 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 05/07/21 18:03 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 05/07/21 18:03 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:03 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:03 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 05/07/21 18:03 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 18:03 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:03 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 05/07/21 18:03 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 18:03 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 05/07/21 18:03 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 18:03 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 05/07/21 18:03 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 05/07/21 18:03 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 05/07/21 18:03 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-16S **Lab ID: 40226352005** Collected: 04/30/21 11:13 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|------------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 05/07/21 18:03 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 18:03 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 05/07/21 18:03 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 24.7 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 18:03 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:03 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 05/07/21 18:03 | 75-09-2 | |
| Naphthalene | 21.3 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:03 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:03 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 05/07/21 18:03 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 05/07/21 18:03 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 18:03 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 05/07/21 18:03 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:03 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 05/07/21 18:03 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 05/07/21 18:03 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 05/07/21 18:03 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:03 | 10061-01-5 | |
| n-Butylbenzene | 6.2 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 18:03 | 104-51-8 | |
| n-Propylbenzene | 46.0 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 18:03 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 18:03 | 99-87-6 | |
| sec-Butylbenzene | 14.1 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:03 | 135-98-8 | |
| tert-Butylbenzene | 9.7 | ug/L | 1.0 | 0.59 | 1 | | 05/07/21 18:03 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 05/07/21 18:03 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 05/07/21 18:03 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 109 | % | 70-130 | | 1 | | 05/07/21 18:03 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | % | 70-130 | | 1 | | 05/07/21 18:03 | 2199-69-1 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 05/07/21 18:03 | 2037-26-5 | |
| Field Data | | | | | | | | | |
| Analytical Method: | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 6.38 | Std. Units | | | 1 | | 04/30/21 11:13 | | |
| Field Specific Conductance | 477.0 | umhos/cm | | | 1 | | 04/30/21 11:13 | | |
| Oxygen, Dissolved | 1.37 | mg/L | | | 1 | | 04/30/21 11:13 | 7782-44-7 | |
| REDOX | -61.9 | mV | | | 1 | | 04/30/21 11:13 | | |
| Turbidity | N | no units | | | 1 | | 04/30/21 11:13 | | |
| Static Water Level | 644.72 | feet | | | 1 | | 04/30/21 11:13 | | |
| Apparent Color | N | no units | | | 1 | | 04/30/21 11:13 | | |
| Odor | N | no units | | | 1 | | 04/30/21 11:13 | | |
| Temperature, Water (C) | 4.97 | deg C | | | 1 | | 04/30/21 11:13 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 385 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:51 | | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-16S **Lab ID: 40226352005** Collected: 04/30/21 11:13 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|------------|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 3.6 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 14:40 | 7440-44-0 | |
| Total Organic Carbon | 3.5 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 14:40 | 7440-44-0 | |
| Total Organic Carbon | 3.5 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 14:40 | 7440-44-0 | |
| Total Organic Carbon | 3.6 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 14:40 | 7440-44-0 | |
| Mean Total Organic Carbon | 3.5 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 14:40 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-16M **Lab ID: 40226352006** Collected: 04/30/21 11:42 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | 28.6 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 17:51 | 7440-38-2 | |
| Barium, Dissolved | 1360 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:51 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 17:51 | 7440-43-9 | |
| Cobalt, Dissolved | 1.7J | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 17:51 | 7440-48-4 | |
| Iron, Dissolved | 20700 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 17:51 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 17:51 | 7439-92-1 | |
| Manganese, Dissolved | 1420 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:51 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 17:51 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:09 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:24 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 05/07/21 18:24 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 05/07/21 18:24 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:24 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 05/07/21 18:24 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | 0.87J | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 18:24 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 05/07/21 18:24 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 05/07/21 18:24 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 18:24 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 18:24 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 18:24 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:24 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 18:24 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 05/07/21 18:24 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 05/07/21 18:24 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 05/07/21 18:24 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 05/07/21 18:24 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 05/07/21 18:24 | 67-64-1 | |
| Benzene | 1.2 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:24 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:24 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 05/07/21 18:24 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 18:24 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:24 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 05/07/21 18:24 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 18:24 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 05/07/21 18:24 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 18:24 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 05/07/21 18:24 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 05/07/21 18:24 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 05/07/21 18:24 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-16M **Lab ID: 40226352006** Collected: 04/30/21 11:42 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 05/07/21 18:24 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 18:24 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 05/07/21 18:24 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 17.3 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 18:24 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:24 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 05/07/21 18:24 | 75-09-2 | |
| Naphthalene | 5.7 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:24 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:24 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 05/07/21 18:24 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 05/07/21 18:24 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 18:24 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 05/07/21 18:24 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:24 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 05/07/21 18:24 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 05/07/21 18:24 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 05/07/21 18:24 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:24 | 10061-01-5 | |
| n-Butylbenzene | 1.3 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 18:24 | 104-51-8 | |
| n-Propylbenzene | 14.9 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 18:24 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 18:24 | 99-87-6 | |
| sec-Butylbenzene | 4.1 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:24 | 135-98-8 | |
| tert-Butylbenzene | 4.3 | ug/L | 1.0 | 0.59 | 1 | | 05/07/21 18:24 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 05/07/21 18:24 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 05/07/21 18:24 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 106 | % | 70-130 | | 1 | | 05/07/21 18:24 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 103 | % | 70-130 | | 1 | | 05/07/21 18:24 | 2199-69-1 | |
| Toluene-d8 (S) | 96 | % | 70-130 | | 1 | | 05/07/21 18:24 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 7.08 | Std. Units | | | 1 | | 04/30/21 11:42 | | |
| Field Specific Conductance | 375.0 | umhos/cm | | | 1 | | 04/30/21 11:42 | | |
| Oxygen, Dissolved | 1.80 | mg/L | | | 1 | | 04/30/21 11:42 | 7782-44-7 | |
| REDOX | -163.8 | mV | | | 1 | | 04/30/21 11:42 | | |
| Turbidity | N | no units | | | 1 | | 04/30/21 11:42 | | |
| Static Water Level | 644.69 | feet | | | 1 | | 04/30/21 11:42 | | |
| Apparent Color | N | no units | | | 1 | | 04/30/21 11:42 | | |
| Odor | N | no units | | | 1 | | 04/30/21 11:42 | | |
| Temperature, Water (C) | 7.30 | deg C | | | 1 | | 04/30/21 11:42 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 263 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:55 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-16M **Lab ID: 40226352006** Collected: 04/30/21 11:42 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|---------|---|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | |
| Total Organic Carbon | 4.3 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:05 | 7440-44-0 | |
| Total Organic Carbon | 4.3 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:05 | 7440-44-0 | |
| Total Organic Carbon | 4.3 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:05 | 7440-44-0 | |
| Total Organic Carbon | 4.4 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:05 | 7440-44-0 | |
| Mean Total Organic Carbon | 4.3 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:05 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-17S **Lab ID: 40226352007** Collected: 04/30/21 10:21 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 17:58 | 7440-38-2 | |
| Barium, Dissolved | 127 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:58 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 17:58 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 17:58 | 7440-48-4 | |
| Iron, Dissolved | 7340 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 17:58 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 17:58 | 7439-92-1 | |
| Manganese, Dissolved | 804 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 17:58 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 17:58 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:11 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <1.5 | ug/L | 5.0 | 1.5 | 5 | | 05/07/21 19:26 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <1.9 | ug/L | 5.0 | 1.9 | 5 | | 05/07/21 19:26 | 79-34-5 | |
| 1,1,2-Trichloroethane | <1.7 | ug/L | 25.0 | 1.7 | 5 | | 05/07/21 19:26 | 79-00-5 | |
| 1,1-Dichloroethane | <1.5 | ug/L | 5.0 | 1.5 | 5 | | 05/07/21 19:26 | 75-34-3 | |
| 1,1-Dichloroethene | <2.9 | ug/L | 5.0 | 2.9 | 5 | | 05/07/21 19:26 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | 339 | ug/L | 5.0 | 2.2 | 5 | | 05/07/21 19:26 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <11.8 | ug/L | 25.0 | 11.8 | 5 | | 05/07/21 19:26 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <1.5 | ug/L | 5.0 | 1.5 | 5 | | 05/07/21 19:26 | 106-93-4 | |
| 1,2-Dichlorobenzene | <1.6 | ug/L | 5.0 | 1.6 | 5 | | 05/07/21 19:26 | 95-50-1 | |
| 1,2-Dichloroethane | <1.5 | ug/L | 5.0 | 1.5 | 5 | | 05/07/21 19:26 | 107-06-2 | |
| 1,2-Dichloropropane | <2.2 | ug/L | 5.0 | 2.2 | 5 | | 05/07/21 19:26 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <1.8 | ug/L | 5.0 | 1.8 | 5 | | 05/07/21 19:26 | 108-67-8 | |
| 1,3-Dichlorobenzene | <1.8 | ug/L | 5.0 | 1.8 | 5 | | 05/07/21 19:26 | 541-73-1 | |
| 1,4-Dichlorobenzene | <4.5 | ug/L | 5.0 | 4.5 | 5 | | 05/07/21 19:26 | 106-46-7 | |
| 2-Butanone (MEK) | <32.6 | ug/L | 125 | 32.6 | 5 | | 05/07/21 19:26 | 78-93-3 | |
| 2-Hexanone | <31.4 | ug/L | 125 | 31.4 | 5 | | 05/07/21 19:26 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <29.8 | ug/L | 125 | 29.8 | 5 | | 05/07/21 19:26 | 108-10-1 | |
| Acetone | <43.2 | ug/L | 125 | 43.2 | 5 | | 05/07/21 19:26 | 67-64-1 | |
| Benzene | <1.5 | ug/L | 5.0 | 1.5 | 5 | | 05/07/21 19:26 | 71-43-2 | |
| Bromodichloromethane | <2.1 | ug/L | 5.0 | 2.1 | 5 | | 05/07/21 19:26 | 75-27-4 | |
| Bromoform | <19.0 | ug/L | 25.0 | 19.0 | 5 | | 05/07/21 19:26 | 75-25-2 | |
| Bromomethane | <6.0 | ug/L | 25.0 | 6.0 | 5 | | 05/07/21 19:26 | 74-83-9 | |
| Carbon disulfide | <5.5 | ug/L | 25.0 | 5.5 | 5 | | 05/07/21 19:26 | 75-15-0 | |
| Carbon tetrachloride | <1.8 | ug/L | 5.0 | 1.8 | 5 | | 05/07/21 19:26 | 56-23-5 | |
| Chlorobenzene | <4.3 | ug/L | 5.0 | 4.3 | 5 | | 05/07/21 19:26 | 108-90-7 | |
| Chloroethane | <6.9 | ug/L | 25.0 | 6.9 | 5 | | 05/07/21 19:26 | 75-00-3 | |
| Chloroform | <5.9 | ug/L | 25.0 | 5.9 | 5 | | 05/07/21 19:26 | 67-66-3 | |
| Chloromethane | <8.2 | ug/L | 25.0 | 8.2 | 5 | | 05/07/21 19:26 | 74-87-3 | |
| Dibromochloromethane | <13.2 | ug/L | 25.0 | 13.2 | 5 | | 05/07/21 19:26 | 124-48-1 | |
| Dibromomethane | <5.0 | ug/L | 25.0 | 5.0 | 5 | | 05/07/21 19:26 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-17S **Lab ID: 40226352007** Collected: 04/30/21 10:21 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <2.3 | ug/L | 25.0 | 2.3 | 5 | | 05/07/21 19:26 | 75-71-8 | |
| Ethylbenzene | <1.6 | ug/L | 5.0 | 1.6 | 5 | | 05/07/21 19:26 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <13.7 | ug/L | 25.0 | 13.7 | 5 | | 05/07/21 19:26 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 6.9J | ug/L | 25.0 | 5.0 | 5 | | 05/07/21 19:26 | 98-82-8 | |
| Methyl-tert-butyl ether | <5.6 | ug/L | 25.0 | 5.6 | 5 | | 05/07/21 19:26 | 1634-04-4 | |
| Methylene Chloride | <1.6 | ug/L | 25.0 | 1.6 | 5 | | 05/07/21 19:26 | 75-09-2 | |
| Naphthalene | 7.7J | ug/L | 25.0 | 5.6 | 5 | | 05/07/21 19:26 | 91-20-3 | |
| Styrene | <1.8 | ug/L | 5.0 | 1.8 | 5 | | 05/07/21 19:26 | 100-42-5 | |
| Tetrachloroethene | <2.0 | ug/L | 5.0 | 2.0 | 5 | | 05/07/21 19:26 | 127-18-4 | |
| Tetrahydrofuran | <12.1 | ug/L | 125 | 12.1 | 5 | | 05/07/21 19:26 | 109-99-9 | |
| Toluene | <1.4 | ug/L | 5.0 | 1.4 | 5 | | 05/07/21 19:26 | 108-88-3 | |
| Trichloroethene | <1.6 | ug/L | 5.0 | 1.6 | 5 | | 05/07/21 19:26 | 79-01-6 | |
| Trichlorofluoromethane | <2.1 | ug/L | 5.0 | 2.1 | 5 | | 05/07/21 19:26 | 75-69-4 | |
| Vinyl chloride | <0.87 | ug/L | 5.0 | 0.87 | 5 | | 05/07/21 19:26 | 75-01-4 | |
| Xylene (Total) | 6.1J | ug/L | 15.0 | 5.2 | 5 | | 05/07/21 19:26 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <2.4 | ug/L | 5.0 | 2.4 | 5 | | 05/07/21 19:26 | 156-59-2 | |
| cis-1,3-Dichloropropene | <1.8 | ug/L | 5.0 | 1.8 | 5 | | 05/07/21 19:26 | 10061-01-5 | |
| n-Butylbenzene | 4.6J | ug/L | 5.0 | 4.3 | 5 | | 05/07/21 19:26 | 104-51-8 | |
| n-Propylbenzene | 15.4 | ug/L | 5.0 | 1.7 | 5 | | 05/07/21 19:26 | 103-65-1 | |
| p-Isopropyltoluene | 5.8J | ug/L | 25.0 | 5.2 | 5 | | 05/07/21 19:26 | 99-87-6 | |
| sec-Butylbenzene | 14.0 | ug/L | 5.0 | 2.1 | 5 | | 05/07/21 19:26 | 135-98-8 | |
| tert-Butylbenzene | 5.3 | ug/L | 5.0 | 2.9 | 5 | | 05/07/21 19:26 | 98-06-6 | |
| trans-1,2-Dichloroethene | <2.6 | ug/L | 5.0 | 2.6 | 5 | | 05/07/21 19:26 | 156-60-5 | |
| trans-1,3-Dichloropropene | <17.3 | ug/L | 25.0 | 17.3 | 5 | | 05/07/21 19:26 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | % | 70-130 | | 5 | | 05/07/21 19:26 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 98 | % | 70-130 | | 5 | | 05/07/21 19:26 | 2199-69-1 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 5 | | 05/07/21 19:26 | 2037-26-5 | |

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|--------|------------|--|--|---|--|----------------|-----------|--|
| Field pH | 6.74 | Std. Units | | | 1 | | 04/30/21 10:21 | | |
| Field Specific Conductance | 218.0 | umhos/cm | | | 1 | | 04/30/21 10:21 | | |
| Oxygen, Dissolved | 2.06 | mg/L | | | 1 | | 04/30/21 10:21 | 7782-44-7 | |
| REDOX | -110.0 | mV | | | 1 | | 04/30/21 10:21 | | |
| Turbidity | N | no units | | | 1 | | 04/30/21 10:21 | | |
| Static Water Level | 644.76 | feet | | | 1 | | 04/30/21 10:21 | | |
| Apparent Color | N | no units | | | 1 | | 04/30/21 10:21 | | |
| Odor | N | no units | | | 1 | | 04/30/21 10:21 | | |
| Temperature, Water (C) | 4.40 | deg C | | | 1 | | 04/30/21 10:21 | | |

310.2 Alkalinity

Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

| | | | | | | | | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|
| Alkalinity, Total as CaCO3 | 167 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:56 | | |
|----------------------------|-----|------|------|-----|---|--|----------------|--|--|

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-17S **Lab ID: 40226352007** Collected: 04/30/21 10:21 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|------|-------|----|----------|----------------|-----------|------|
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.9 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:27 | 7440-44-0 | |
| Total Organic Carbon | 2.9 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:27 | 7440-44-0 | |
| Total Organic Carbon | 3.0 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:27 | 7440-44-0 | |
| Total Organic Carbon | 3.0 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:27 | 7440-44-0 | |
| Mean Total Organic Carbon | 3.0 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:27 | 7440-44-0 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-17M **Lab ID: 40226352008** Collected: 04/30/21 10:34 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | 9.5J | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 18:01 | 7440-38-2 | |
| Barium, Dissolved | 493 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:01 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 18:01 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 18:01 | 7440-48-4 | |
| Iron, Dissolved | 5340 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 18:01 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 18:01 | 7439-92-1 | |
| Manganese, Dissolved | 745 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:01 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 18:01 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:18 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.41 | Std. Units | | | 1 | | 04/30/21 10:34 | | |
| Field Specific Conductance | 217.0 | umhos/cm | | | 1 | | 04/30/21 10:34 | | |
| Oxygen, Dissolved | 1.00 | mg/L | | | 1 | | 04/30/21 10:34 | 7782-44-7 | |
| REDOX | -195.8 | mV | | | 1 | | 04/30/21 10:34 | | |
| Turbidity | N | no units | | | 1 | | 04/30/21 10:34 | | |
| Static Water Level | 644.81 | feet | | | 1 | | 04/30/21 10:34 | | |
| Apparent Color | N | no units | | | 1 | | 04/30/21 10:34 | | |
| Odor | N | no units | | | 1 | | 04/30/21 10:34 | | |
| Temperature, Water (C) | 6.22 | deg C | | | 1 | | 04/30/21 10:34 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 151 | mg/L | 49.6 | 14.9 | 2 | | 05/11/21 13:57 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 5.7 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:50 | 7440-44-0 | |
| Total Organic Carbon | 5.7 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:50 | 7440-44-0 | |
| Total Organic Carbon | 5.7 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:50 | 7440-44-0 | |
| Total Organic Carbon | 5.8 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:50 | 7440-44-0 | |
| Mean Total Organic Carbon | 5.7 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 15:50 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: PZ-1 **Lab ID: 40226352009** Collected: 04/29/21 14:32 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 18:03 | 7440-38-2 | |
| Barium, Dissolved | 73.1 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:03 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 18:03 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 18:03 | 7440-48-4 | |
| Iron, Dissolved | <56.7 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 18:03 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 18:03 | 7439-92-1 | |
| Manganese, Dissolved | 1190 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:03 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 18:03 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:20 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 7.74 | Std. Units | | | 1 | | 04/29/21 14:32 | | |
| Field Specific Conductance | 204.0 | umhos/cm | | | 1 | | 04/29/21 14:32 | | |
| Oxygen, Dissolved | 1.25 | mg/L | | | 1 | | 04/29/21 14:32 | 7782-44-7 | |
| REDOX | -60.6 | mV | | | 1 | | 04/29/21 14:32 | | |
| Turbidity | N | no units | | | 1 | | 04/29/21 14:32 | | |
| Static Water Level | 644.71 | feet | | | 1 | | 04/29/21 14:32 | | |
| Apparent Color | N | no units | | | 1 | | 04/29/21 14:32 | | |
| Odor | N | no units | | | 1 | | 04/29/21 14:32 | | |
| Temperature, Water (C) | 5.26 | deg C | | | 1 | | 04/29/21 14:32 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 154 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:49 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:16 | 7440-44-0 | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:16 | 7440-44-0 | |
| Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:16 | 7440-44-0 | |
| Total Organic Carbon | 2.3 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:16 | 7440-44-0 | |
| Mean Total Organic Carbon | 2.4 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:16 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: PZ-2 **Lab ID: 40226352010** Collected: 04/29/21 13:36 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 18:06 | 7440-38-2 | |
| Barium, Dissolved | 84.6 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:06 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 18:06 | 7440-43-9 | |
| Cobalt, Dissolved | 2.0J | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 18:06 | 7440-48-4 | |
| Iron, Dissolved | 36100 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 18:06 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 18:06 | 7439-92-1 | |
| Manganese, Dissolved | 4160 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:06 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 18:06 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:23 | 7439-97-6 | |
| Field Data | | | | | | | | | |
| Analytical Method: Pace Analytical Services - Green Bay | | | | | | | | | |
| Field pH | 6.65 | Std. Units | | | 1 | | 04/29/21 13:36 | | |
| Field Specific Conductance | 323.0 | umhos/cm | | | 1 | | 04/29/21 13:36 | | |
| Oxygen, Dissolved | 2.17 | mg/L | | | 1 | | 04/29/21 13:36 | 7782-44-7 | |
| REDOX | -148.0 | mV | | | 1 | | 04/29/21 13:36 | | |
| Turbidity | N | no units | | | 1 | | 04/29/21 13:36 | | |
| Static Water Level | 644.64 | feet | | | 1 | | 04/29/21 13:36 | | |
| Apparent Color | N | no units | | | 1 | | 04/29/21 13:36 | | |
| Odor | N | no units | | | 1 | | 04/29/21 13:36 | | |
| Temperature, Water (C) | 4.22 | deg C | | | 1 | | 04/29/21 13:36 | | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 227 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 13:50 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 9.4 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:40 | 7440-44-0 | |
| Total Organic Carbon | 9.4 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:40 | 7440-44-0 | |
| Total Organic Carbon | 9.3 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:40 | 7440-44-0 | |
| Total Organic Carbon | 9.3 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:40 | 7440-44-0 | |
| Mean Total Organic Carbon | 9.3 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 16:40 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: PW-1 **Lab ID: 40226352011** Collected: 04/29/21 16:50 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 06:38 | 05/17/21 18:39 | 7440-38-2 | |
| Barium | <1.5 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 06:38 | 05/17/21 18:39 | 7440-39-3 | |
| Cadmium | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 06:38 | 05/17/21 18:39 | 7440-43-9 | |
| Cobalt | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 06:38 | 05/17/21 18:39 | 7440-48-4 | |
| Iron | <56.7 | ug/L | 100 | 56.7 | 1 | 05/14/21 06:38 | 05/17/21 18:39 | 7439-89-6 | |
| Lead | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 06:38 | 05/17/21 18:39 | 7439-92-1 | |
| Manganese | <1.5 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 06:38 | 05/17/21 18:39 | 7439-96-5 | |
| Vanadium | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 06:38 | 05/17/21 18:39 | 7440-62-2 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/10/21 11:00 | 05/11/21 08:44 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:44 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 05/07/21 18:44 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 05/07/21 18:44 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:44 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 05/07/21 18:44 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 18:44 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 05/07/21 18:44 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 05/07/21 18:44 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 18:44 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 18:44 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 18:44 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:44 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 18:44 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 05/07/21 18:44 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 05/07/21 18:44 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 05/07/21 18:44 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 05/07/21 18:44 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 05/07/21 18:44 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 18:44 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:44 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 05/07/21 18:44 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 18:44 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:44 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 05/07/21 18:44 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 18:44 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 05/07/21 18:44 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 18:44 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 05/07/21 18:44 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 05/07/21 18:44 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 05/07/21 18:44 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Project No.: 40226033

Sample: **PW-1** Lab ID: **40226352011** Collected: 04/29/21 16:50 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 05/07/21 18:44 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 18:44 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 05/07/21 18:44 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 18:44 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:44 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 05/07/21 18:44 | 75-09-2 | |
| Naphthalene | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 18:44 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:44 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 05/07/21 18:44 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 05/07/21 18:44 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 18:44 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 05/07/21 18:44 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:44 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 05/07/21 18:44 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 05/07/21 18:44 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 05/07/21 18:44 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 18:44 | 10061-01-5 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 18:44 | 104-51-8 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 18:44 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 18:44 | 99-87-6 | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 18:44 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 05/07/21 18:44 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 05/07/21 18:44 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 05/07/21 18:44 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 108 | % | 70-130 | | 1 | | 05/07/21 18:44 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 05/07/21 18:44 | 2199-69-1 | |
| Toluene-d8 (S) | 93 | % | 70-130 | | 1 | | 05/07/21 18:44 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-17S DUP **Lab ID: 40226352012** Collected: 04/30/21 00:00 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 18:08 | 7440-38-2 | |
| Barium, Dissolved | 122 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:08 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 18:08 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 18:08 | 7440-48-4 | |
| Iron, Dissolved | 7200 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 18:08 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 18:08 | 7439-92-1 | |
| Manganese, Dissolved | 768 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:08 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 18:08 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:25 | 7439-97-6 | |

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

Sample: MW-16S DUP **Lab ID: 40226352013** Collected: 04/30/21 00:00 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|------|-------|----|----------------|----------------|-----------|------|
| 6010D MET ICP, Dissolved | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic, Dissolved | <8.3 | ug/L | 25.0 | 8.3 | 1 | 05/14/21 07:26 | 05/17/21 18:11 | 7440-38-2 | |
| Barium, Dissolved | 196 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:11 | 7440-39-3 | |
| Cadmium, Dissolved | <1.3 | ug/L | 5.0 | 1.3 | 1 | 05/14/21 07:26 | 05/17/21 18:11 | 7440-43-9 | |
| Cobalt, Dissolved | <1.4 | ug/L | 5.0 | 1.4 | 1 | 05/14/21 07:26 | 05/17/21 18:11 | 7440-48-4 | |
| Iron, Dissolved | 15900 | ug/L | 100 | 56.7 | 1 | 05/14/21 07:26 | 05/17/21 18:11 | 7439-89-6 | |
| Lead, Dissolved | <5.9 | ug/L | 20.0 | 5.9 | 1 | 05/14/21 07:26 | 05/17/21 18:11 | 7439-92-1 | |
| Manganese, Dissolved | 1820 | ug/L | 5.0 | 1.5 | 1 | 05/14/21 07:26 | 05/17/21 18:11 | 7439-96-5 | |
| Vanadium, Dissolved | <2.6 | ug/L | 10.0 | 2.6 | 1 | 05/14/21 07:26 | 05/17/21 18:11 | 7440-62-2 | |
| 7470 Mercury, Dissolved | | | | | | | | | |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury, Dissolved | <0.066 | ug/L | 0.20 | 0.066 | 1 | 05/13/21 11:55 | 05/14/21 10:27 | 7439-97-6 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 19:05 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 05/07/21 19:05 | 79-34-5 | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 5.0 | 0.34 | 1 | | 05/07/21 19:05 | 79-00-5 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 19:05 | 75-34-3 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 05/07/21 19:05 | 75-35-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 19:05 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 05/07/21 19:05 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 05/07/21 19:05 | 106-93-4 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 19:05 | 95-50-1 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 19:05 | 107-06-2 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 05/07/21 19:05 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 19:05 | 108-67-8 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 19:05 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 05/07/21 19:05 | 106-46-7 | |
| 2-Butanone (MEK) | <6.5 | ug/L | 25.0 | 6.5 | 1 | | 05/07/21 19:05 | 78-93-3 | |
| 2-Hexanone | <6.3 | ug/L | 25.0 | 6.3 | 1 | | 05/07/21 19:05 | 591-78-6 | |
| 4-Methyl-2-pentanone (MIBK) | <6.0 | ug/L | 25.0 | 6.0 | 1 | | 05/07/21 19:05 | 108-10-1 | |
| Acetone | <8.6 | ug/L | 25.0 | 8.6 | 1 | | 05/07/21 19:05 | 67-64-1 | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 05/07/21 19:05 | 71-43-2 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 19:05 | 75-27-4 | |
| Bromoform | <3.8 | ug/L | 5.0 | 3.8 | 1 | | 05/07/21 19:05 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 19:05 | 74-83-9 | |
| Carbon disulfide | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 19:05 | 75-15-0 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 05/07/21 19:05 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 19:05 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 05/07/21 19:05 | 75-00-3 | |
| Chloroform | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 05/07/21 19:05 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 05/07/21 19:05 | 74-87-3 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 05/07/21 19:05 | 124-48-1 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 05/07/21 19:05 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

Sample: MW-16S DUP **Lab ID: 40226352013** Collected: 04/30/21 00:00 Received: 05/05/21 09:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|-------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 05/07/21 19:05 | 75-71-8 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 05/07/21 19:05 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 05/07/21 19:05 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 22.3 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 19:05 | 98-82-8 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 19:05 | 1634-04-4 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 05/07/21 19:05 | 75-09-2 | |
| Naphthalene | 17.8 | ug/L | 5.0 | 1.1 | 1 | | 05/07/21 19:05 | 91-20-3 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 19:05 | 100-42-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 05/07/21 19:05 | 127-18-4 | |
| Tetrahydrofuran | <2.4 | ug/L | 25.0 | 2.4 | 1 | | 05/07/21 19:05 | 109-99-9 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 05/07/21 19:05 | 108-88-3 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 05/07/21 19:05 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 19:05 | 75-69-4 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 05/07/21 19:05 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 05/07/21 19:05 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 05/07/21 19:05 | 156-59-2 | |
| cis-1,3-Dichloropropene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 05/07/21 19:05 | 10061-01-5 | |
| n-Butylbenzene | 5.5 | ug/L | 1.0 | 0.86 | 1 | | 05/07/21 19:05 | 104-51-8 | |
| n-Propylbenzene | 40.3 | ug/L | 1.0 | 0.35 | 1 | | 05/07/21 19:05 | 103-65-1 | |
| p-Isopropyltoluene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 05/07/21 19:05 | 99-87-6 | |
| sec-Butylbenzene | 12.5 | ug/L | 1.0 | 0.42 | 1 | | 05/07/21 19:05 | 135-98-8 | |
| tert-Butylbenzene | 8.7 | ug/L | 1.0 | 0.59 | 1 | | 05/07/21 19:05 | 98-06-6 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 05/07/21 19:05 | 156-60-5 | |
| trans-1,3-Dichloropropene | <3.5 | ug/L | 5.0 | 3.5 | 1 | | 05/07/21 19:05 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 105 | % | 70-130 | | 1 | | 05/07/21 19:05 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 05/07/21 19:05 | 2199-69-1 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 05/07/21 19:05 | 2037-26-5 | |
| 310.2 Alkalinity | | | | | | | | | |
| Analytical Method: EPA 310.2 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Alkalinity, Total as CaCO3 | 386 | mg/L | 24.8 | 7.4 | 1 | | 05/11/21 14:02 | | |
| Total Organic Carbon | | | | | | | | | |
| Analytical Method: EPA 9060 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Total Organic Carbon | 3.6 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 17:07 | 7440-44-0 | |
| Total Organic Carbon | 3.5 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 17:07 | 7440-44-0 | |
| Total Organic Carbon | 3.7 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 17:07 | 7440-44-0 | |
| Total Organic Carbon | 3.7 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 17:07 | 7440-44-0 | |
| Mean Total Organic Carbon | 3.6 | mg/L | 0.50 | 0.085 | 1 | | 05/06/21 17:07 | 7440-44-0 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384570 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226033016, 40226033017, 40226033018, 40226033019, 40226033020

METHOD BLANK: 2218393 Matrix: Water
Associated Lab Samples: 40226033016, 40226033017, 40226033018, 40226033019, 40226033020

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Mercury | ug/L | <0.066 | 0.20 | 05/10/21 09:57 | |

LABORATORY CONTROL SAMPLE: 2218394

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | ug/L | 5 | 5.3 | 106 | 85-115 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2218395 2218396

| Parameter | Units | 40226033016 | | 2218396 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Mercury | ug/L | <0.066 | 5 | 5 | 4.9 | 4.7 | 98 | 94 | 85-115 | 5 | 20 |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384699 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226352011

METHOD BLANK: 2219569 Matrix: Water
Associated Lab Samples: 40226352011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Mercury | ug/L | <0.066 | 0.20 | 05/11/21 08:40 | |

LABORATORY CONTROL SAMPLE: 2219570

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2219571 2219572

| Parameter | Units | 40226352011 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Mercury | ug/L | <0.066 | 5 | 5 | 5.4 | 5.1 | 107 | 102 | 85-115 | 6 | 20 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| | | | |
|------------------|----------|-----------------------|--------------------------------------|
| QC Batch: | 384187 | Analysis Method: | EPA 7470 |
| QC Batch Method: | EPA 7470 | Analysis Description: | 7470 Mercury Dissolved |
| | | Laboratory: | Pace Analytical Services - Green Bay |

Associated Lab Samples: 40226033001, 40226033002, 40226033003, 40226033004, 40226033005, 40226033006, 40226033007, 40226033008, 40226033009, 40226033010, 40226033011, 40226033012, 40226033013, 40226033014

METHOD BLANK: 2216228 Matrix: Water

Associated Lab Samples: 40226033001, 40226033002, 40226033003, 40226033004, 40226033005, 40226033006, 40226033007, 40226033008, 40226033009, 40226033010, 40226033011, 40226033012, 40226033013, 40226033014

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------|-------|--------------|-----------------|----------------|------------|
| Mercury, Dissolved | ug/L | <0.066 | 0.20 | 05/05/21 08:41 | |

LABORATORY CONTROL SAMPLE: 2216229

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------|-------|-------------|------------|-----------|--------------|------------|
| Mercury, Dissolved | ug/L | 5 | 4.8 | 97 | 85-115 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2216230 2216231

| Parameter | Units | 40226086001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Mercury, Dissolved | ug/L | <0.066 | 5 | 5 | 4.6 | 4.8 | 92 | 96 | 85-115 | 4 | 20 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384189 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226033015, 40226033021, 40226033022, 40226033024

METHOD BLANK: 2216232 Matrix: Water
Associated Lab Samples: 40226033015, 40226033021, 40226033022, 40226033024

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------|-------|--------------|-----------------|----------------|------------|
| Mercury, Dissolved | ug/L | <0.066 | 0.20 | 05/05/21 09:45 | |

LABORATORY CONTROL SAMPLE: 2216233

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------|-------|-------------|------------|-----------|--------------|------------|
| Mercury, Dissolved | ug/L | 5 | 5.4 | 108 | 85-115 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2216234 2216235

| Parameter | Units | 2216234 | | 2216235 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|--------------------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
| | | 40226080005 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | MSD Result |
| Mercury, Dissolved | ug/L | <0.066 | 5 | 5 | 4.9 | 4.6 | 98 | 92 | 85-115 | 5 | 20 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| | | | |
|------------------|----------|-----------------------|--------------------------------------|
| QC Batch: | 385130 | Analysis Method: | EPA 7470 |
| QC Batch Method: | EPA 7470 | Analysis Description: | 7470 Mercury Dissolved |
| | | Laboratory: | Pace Analytical Services - Green Bay |

Associated Lab Samples: 40226352001, 40226352002, 40226352003, 40226352004, 40226352005, 40226352006, 40226352007, 40226352008, 40226352009, 40226352010, 40226352012, 40226352013

METHOD BLANK: 2222015 Matrix: Water

Associated Lab Samples: 40226352001, 40226352002, 40226352003, 40226352004, 40226352005, 40226352006, 40226352007, 40226352008, 40226352009, 40226352010, 40226352012, 40226352013

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------|-------|--------------|-----------------|----------------|------------|
| Mercury, Dissolved | ug/L | <0.066 | 0.20 | 05/14/21 09:27 | |

LABORATORY CONTROL SAMPLE: 2222016

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------|-------|-------------|------------|-----------|--------------|------------|
| Mercury, Dissolved | ug/L | 5 | 5.6 | 111 | 85-115 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2222017 2222018

| Parameter | Units | 40226601001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Mercury, Dissolved | ug/L | <0.066 | 5 | 5 | 5.3 | 5.3 | 106 | 107 | 85-115 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384139 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226033016, 40226033017, 40226033018, 40226033019, 40226033020

METHOD BLANK: 2216059 Matrix: Water
Associated Lab Samples: 40226033016, 40226033017, 40226033018, 40226033019, 40226033020

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Arsenic | ug/L | <8.3 | 25.0 | 05/04/21 18:47 | |
| Barium | ug/L | <1.5 | 5.0 | 05/04/21 18:47 | |
| Cadmium | ug/L | <1.3 | 5.0 | 05/04/21 18:47 | |
| Cobalt | ug/L | <1.4 | 5.0 | 05/04/21 18:47 | |
| Lead | ug/L | <5.9 | 20.0 | 05/04/21 18:47 | |
| Manganese | ug/L | <1.5 | 5.0 | 05/04/21 18:47 | |
| Vanadium | ug/L | <2.6 | 10.0 | 05/04/21 18:47 | |

LABORATORY CONTROL SAMPLE: 2216060

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Arsenic | ug/L | 500 | 492 | 98 | 80-120 | |
| Barium | ug/L | 500 | 478 | 96 | 80-120 | |
| Cadmium | ug/L | 500 | 485 | 97 | 80-120 | |
| Cobalt | ug/L | 500 | 500 | 100 | 80-120 | |
| Lead | ug/L | 500 | 502 | 100 | 80-120 | |
| Manganese | ug/L | 500 | 494 | 99 | 80-120 | |
| Vanadium | ug/L | 500 | 517 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2216061 2216062

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40226033016 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | |
| Arsenic | ug/L | <8.3 | 500 | 500 | 489 | 485 | 98 | 97 | 75-125 | 1 | 20 |
| Barium | ug/L | 126 | 500 | 500 | 617 | 610 | 98 | 97 | 75-125 | 1 | 20 |
| Cadmium | ug/L | <1.3 | 500 | 500 | 492 | 484 | 98 | 97 | 75-125 | 2 | 20 |
| Cobalt | ug/L | <1.4 | 500 | 500 | 502 | 494 | 100 | 99 | 75-125 | 2 | 20 |
| Lead | ug/L | <5.9 | 500 | 500 | 505 | 497 | 101 | 99 | 75-125 | 2 | 20 |
| Manganese | ug/L | 614 | 500 | 500 | 1170 | 1080 | 111 | 93 | 75-125 | 8 | 20 |
| Vanadium | ug/L | <2.6 | 500 | 500 | 508 | 500 | 102 | 100 | 75-125 | 1 | 20 |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

QC Batch: 384556

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40226033016, 40226033017, 40226033018, 40226033019, 40226033020

METHOD BLANK: 2218356

Matrix: Water

Associated Lab Samples: 40226033016, 40226033017, 40226033018, 40226033019, 40226033020

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Iron | ug/L | <56.7 | 100 | 05/10/21 14:21 | |

LABORATORY CONTROL SAMPLE: 2218357

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Iron | ug/L | 5000 | 5260 | 105 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2218358 2218359

| Parameter | Units | 2218358 | | 2218359 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40225970001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Iron | ug/L | 31800 | 5000 | 5000 | 37200 | 35900 | 109 | 83 | 75-125 | 4 | 20 |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384093 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226033001, 40226033002, 40226033003, 40226033004, 40226033005, 40226033006, 40226033007, 40226033008, 40226033009, 40226033010, 40226033011, 40226033012, 40226033013, 40226033014, 40226033015, 40226033021, 40226033022, 40226033024

METHOD BLANK: 2215866 Matrix: Water
Associated Lab Samples: 40226033001, 40226033002, 40226033003, 40226033004, 40226033005, 40226033006, 40226033007, 40226033008, 40226033009, 40226033010, 40226033011, 40226033012, 40226033013, 40226033014, 40226033015, 40226033021, 40226033022, 40226033024

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Arsenic, Dissolved | ug/L | <8.3 | 25.0 | 05/04/21 14:31 | |
| Barium, Dissolved | ug/L | <1.5 | 5.0 | 05/04/21 14:31 | |
| Cadmium, Dissolved | ug/L | <1.3 | 5.0 | 05/04/21 14:31 | |
| Cobalt, Dissolved | ug/L | <1.4 | 5.0 | 05/04/21 14:31 | |
| Iron, Dissolved | ug/L | <56.7 | 100 | 05/04/21 14:31 | |
| Lead, Dissolved | ug/L | <5.9 | 20.0 | 05/04/21 14:31 | |
| Manganese, Dissolved | ug/L | <1.5 | 5.0 | 05/04/21 14:31 | |
| Vanadium, Dissolved | ug/L | <2.6 | 10.0 | 05/04/21 14:31 | |

LABORATORY CONTROL SAMPLE: 2215867

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Arsenic, Dissolved | ug/L | 500 | 512 | 102 | 80-120 | |
| Barium, Dissolved | ug/L | 500 | 504 | 101 | 80-120 | |
| Cadmium, Dissolved | ug/L | 500 | 502 | 100 | 80-120 | |
| Cobalt, Dissolved | ug/L | 500 | 519 | 104 | 80-120 | |
| Iron, Dissolved | ug/L | 5000 | 5340 | 107 | 80-120 | |
| Lead, Dissolved | ug/L | 500 | 519 | 104 | 80-120 | |
| Manganese, Dissolved | ug/L | 500 | 510 | 102 | 80-120 | |
| Vanadium, Dissolved | ug/L | 500 | 526 | 105 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2215868 2215869

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40226033001 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | |
| Arsenic, Dissolved | ug/L | <8.3 | 500 | 500 | 488 | 490 | 97 | 98 | 75-125 | 0 | 20 |
| Barium, Dissolved | ug/L | 23.1 | 500 | 500 | 509 | 514 | 97 | 98 | 75-125 | 1 | 20 |
| Cadmium, Dissolved | ug/L | <1.3 | 500 | 500 | 483 | 489 | 97 | 98 | 75-125 | 1 | 20 |
| Cobalt, Dissolved | ug/L | <1.4 | 500 | 500 | 496 | 499 | 99 | 100 | 75-125 | 1 | 20 |
| Iron, Dissolved | ug/L | 90.8J | 5000 | 5000 | 5090 | 5050 | 100 | 99 | 75-125 | 1 | 20 |
| Lead, Dissolved | ug/L | <5.9 | 500 | 500 | 494 | 498 | 99 | 100 | 75-125 | 1 | 20 |
| Manganese, Dissolved | ug/L | 127 | 500 | 500 | 599 | 610 | 94 | 97 | 75-125 | 2 | 20 |
| Vanadium, Dissolved | ug/L | <2.6 | 500 | 500 | 493 | 502 | 99 | 100 | 75-125 | 2 | 20 |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 385217 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40226352011

METHOD BLANK: 2222821 Matrix: Water
Associated Lab Samples: 40226352011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Arsenic | ug/L | <8.3 | 25.0 | 05/18/21 14:23 | |
| Barium | ug/L | <1.5 | 5.0 | 05/18/21 14:23 | |
| Cadmium | ug/L | <1.3 | 5.0 | 05/18/21 14:23 | |
| Cobalt | ug/L | <1.4 | 5.0 | 05/18/21 14:23 | |
| Iron | ug/L | <56.7 | 100 | 05/18/21 14:23 | |
| Lead | ug/L | <5.9 | 20.0 | 05/18/21 14:23 | |
| Manganese | ug/L | <1.5 | 5.0 | 05/18/21 14:23 | |
| Vanadium | ug/L | <2.6 | 10.0 | 05/18/21 14:23 | |

LABORATORY CONTROL SAMPLE: 2222822

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Arsenic | ug/L | 500 | 493 | 99 | 80-120 | |
| Barium | ug/L | 500 | 487 | 97 | 80-120 | |
| Cadmium | ug/L | 500 | 494 | 99 | 80-120 | |
| Cobalt | ug/L | 500 | 505 | 101 | 80-120 | |
| Iron | ug/L | 5000 | 5070 | 101 | 80-120 | |
| Lead | ug/L | 500 | 502 | 100 | 80-120 | |
| Manganese | ug/L | 500 | 486 | 97 | 80-120 | |
| Vanadium | ug/L | 500 | 497 | 99 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2222823 2222824

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 40226869010 Result | Spike Conc. | Spike Conc. | Result | | | | | | | | |
| Arsenic | ug/L | <8.3 | 500 | 500 | 505 | 493 | 101 | 98 | 75-125 | 3 | 20 | | |
| Barium | ug/L | 48.3 | 500 | 500 | 544 | 534 | 99 | 97 | 75-125 | 2 | 20 | | |
| Cadmium | ug/L | <1.3 | 500 | 500 | 495 | 485 | 99 | 97 | 75-125 | 2 | 20 | | |
| Cobalt | ug/L | <1.4 | 500 | 500 | 499 | 490 | 100 | 98 | 75-125 | 2 | 20 | | |
| Iron | ug/L | <56.7 | 5000 | 5000 | 5130 | 5040 | 102 | 100 | 75-125 | 2 | 20 | | |
| Lead | ug/L | <5.9 | 500 | 500 | 498 | 485 | 99 | 97 | 75-125 | 3 | 20 | | |
| Manganese | ug/L | <1.5 | 500 | 500 | 491 | 481 | 98 | 96 | 75-125 | 2 | 20 | | |
| Vanadium | ug/L | <2.6 | 500 | 500 | 508 | 498 | 102 | 100 | 75-125 | 2 | 20 | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 385223 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226352001, 40226352002, 40226352003, 40226352004, 40226352005, 40226352006, 40226352007, 40226352008, 40226352009, 40226352010, 40226352012, 40226352013

METHOD BLANK: 2222839 Matrix: Water
Associated Lab Samples: 40226352001, 40226352002, 40226352003, 40226352004, 40226352005, 40226352006, 40226352007, 40226352008, 40226352009, 40226352010, 40226352012, 40226352013

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Arsenic, Dissolved | ug/L | <8.3 | 25.0 | 05/17/21 17:20 | |
| Barium, Dissolved | ug/L | <1.5 | 5.0 | 05/17/21 17:20 | |
| Cadmium, Dissolved | ug/L | <1.3 | 5.0 | 05/17/21 17:20 | |
| Cobalt, Dissolved | ug/L | <1.4 | 5.0 | 05/17/21 17:20 | |
| Iron, Dissolved | ug/L | <56.7 | 100 | 05/17/21 17:20 | |
| Lead, Dissolved | ug/L | <5.9 | 20.0 | 05/17/21 17:20 | |
| Manganese, Dissolved | ug/L | <1.5 | 5.0 | 05/17/21 17:20 | |
| Vanadium, Dissolved | ug/L | <2.6 | 10.0 | 05/17/21 17:20 | |

LABORATORY CONTROL SAMPLE: 2222840

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Arsenic, Dissolved | ug/L | 500 | 474 | 95 | 80-120 | |
| Barium, Dissolved | ug/L | 500 | 486 | 97 | 80-120 | |
| Cadmium, Dissolved | ug/L | 500 | 475 | 95 | 80-120 | |
| Cobalt, Dissolved | ug/L | 500 | 488 | 98 | 80-120 | |
| Iron, Dissolved | ug/L | 5000 | 5150 | 103 | 80-120 | |
| Lead, Dissolved | ug/L | 500 | 478 | 96 | 80-120 | |
| Manganese, Dissolved | ug/L | 500 | 481 | 96 | 80-120 | |
| Vanadium, Dissolved | ug/L | 500 | 493 | 99 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2222841 2222842

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
| | | 40226352001 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | | MSD Result |
| Arsenic, Dissolved | ug/L | <8.3 | 500 | 500 | 501 | 504 | 99 | 100 | 75-125 | 1 | 20 | |
| Barium, Dissolved | ug/L | 142 | 500 | 500 | 626 | 634 | 97 | 98 | 75-125 | 1 | 20 | |
| Cadmium, Dissolved | ug/L | <1.3 | 500 | 500 | 488 | 497 | 97 | 99 | 75-125 | 2 | 20 | |
| Cobalt, Dissolved | ug/L | <1.4 | 500 | 500 | 500 | 508 | 100 | 101 | 75-125 | 2 | 20 | |
| Iron, Dissolved | ug/L | 32700 | 5000 | 5000 | 37900 | 38500 | 104 | 116 | 75-125 | 2 | 20 | |
| Lead, Dissolved | ug/L | <5.9 | 500 | 500 | 495 | 497 | 99 | 99 | 75-125 | 1 | 20 | |
| Manganese, Dissolved | ug/L | 946 | 500 | 500 | 1410 | 1430 | 94 | 96 | 75-125 | 1 | 20 | |
| Vanadium, Dissolved | ug/L | <2.6 | 500 | 500 | 498 | 510 | 100 | 102 | 75-125 | 2 | 20 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 383932 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226033002, 40226033003, 40226033004, 40226033006, 40226033007, 40226033011, 40226033014, 40226033015, 40226033016, 40226033017, 40226033018, 40226033019, 40226033020, 40226033022, 40226033023

METHOD BLANK: 2214677 Matrix: Water
Associated Lab Samples: 40226033002, 40226033003, 40226033004, 40226033006, 40226033007, 40226033011, 40226033014, 40226033015, 40226033016, 40226033017, 40226033018, 40226033019, 40226033020, 40226033022, 40226033023

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/L | <0.30 | 1.0 | 04/30/21 16:45 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.38 | 1.0 | 04/30/21 16:45 | |
| 1,1,2-Trichloroethane | ug/L | <0.34 | 5.0 | 04/30/21 16:45 | |
| 1,1-Dichloroethane | ug/L | <0.30 | 1.0 | 04/30/21 16:45 | |
| 1,1-Dichloroethene | ug/L | <0.58 | 1.0 | 04/30/21 16:45 | |
| 1,2,4-Trimethylbenzene | ug/L | <0.45 | 1.0 | 04/30/21 16:45 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.4 | 5.0 | 04/30/21 16:45 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.31 | 1.0 | 04/30/21 16:45 | |
| 1,2-Dichlorobenzene | ug/L | <0.33 | 1.0 | 04/30/21 16:45 | |
| 1,2-Dichloroethane | ug/L | <0.29 | 1.0 | 04/30/21 16:45 | |
| 1,2-Dichloropropane | ug/L | <0.45 | 1.0 | 04/30/21 16:45 | |
| 1,3,5-Trimethylbenzene | ug/L | <0.36 | 1.0 | 04/30/21 16:45 | |
| 1,3-Dichlorobenzene | ug/L | <0.35 | 1.0 | 04/30/21 16:45 | |
| 1,4-Dichlorobenzene | ug/L | <0.89 | 1.0 | 04/30/21 16:45 | |
| 2-Butanone (MEK) | ug/L | <6.5 | 25.0 | 04/30/21 16:45 | |
| 2-Hexanone | ug/L | <6.3 | 25.0 | 04/30/21 16:45 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | <6.0 | 25.0 | 04/30/21 16:45 | |
| Acetone | ug/L | <8.6 | 25.0 | 04/30/21 16:45 | |
| Benzene | ug/L | <0.30 | 1.0 | 04/30/21 16:45 | |
| Bromodichloromethane | ug/L | <0.42 | 1.0 | 04/30/21 16:45 | |
| Bromoform | ug/L | <3.8 | 5.0 | 04/30/21 16:45 | |
| Bromomethane | ug/L | <1.2 | 5.0 | 04/30/21 16:45 | |
| Carbon disulfide | ug/L | <1.1 | 5.0 | 04/30/21 16:45 | |
| Carbon tetrachloride | ug/L | <0.37 | 1.0 | 04/30/21 16:45 | |
| Chlorobenzene | ug/L | <0.86 | 1.0 | 04/30/21 16:45 | |
| Chloroethane | ug/L | <1.4 | 5.0 | 04/30/21 16:45 | |
| Chloroform | ug/L | <1.2 | 5.0 | 04/30/21 16:45 | |
| Chloromethane | ug/L | <1.6 | 5.0 | 04/30/21 16:45 | |
| cis-1,2-Dichloroethene | ug/L | <0.47 | 1.0 | 04/30/21 16:45 | |
| cis-1,3-Dichloropropene | ug/L | <0.36 | 1.0 | 04/30/21 16:45 | |
| Dibromochloromethane | ug/L | <2.6 | 5.0 | 04/30/21 16:45 | |
| Dibromomethane | ug/L | <0.99 | 5.0 | 04/30/21 16:45 | |
| Dichlorodifluoromethane | ug/L | <0.46 | 5.0 | 04/30/21 16:45 | |
| Ethylbenzene | ug/L | <0.33 | 1.0 | 04/30/21 16:45 | |
| Hexachloro-1,3-butadiene | ug/L | <2.7 | 5.0 | 04/30/21 16:45 | |
| Isopropylbenzene (Cumene) | ug/L | <1.0 | 5.0 | 04/30/21 16:45 | |
| Methyl-tert-butyl ether | ug/L | <1.1 | 5.0 | 04/30/21 16:45 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

METHOD BLANK: 2214677 Matrix: Water
Associated Lab Samples: 40226033002, 40226033003, 40226033004, 40226033006, 40226033007, 40226033011, 40226033014, 40226033015, 40226033016, 40226033017, 40226033018, 40226033019, 40226033020, 40226033022, 40226033023

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|----------------|------------|
| Methylene Chloride | ug/L | <0.32 | 5.0 | 04/30/21 16:45 | |
| n-Butylbenzene | ug/L | <0.86 | 1.0 | 04/30/21 16:45 | |
| n-Propylbenzene | ug/L | <0.35 | 1.0 | 04/30/21 16:45 | |
| Naphthalene | ug/L | <1.1 | 5.0 | 04/30/21 16:45 | |
| p-Isopropyltoluene | ug/L | <1.0 | 5.0 | 04/30/21 16:45 | |
| sec-Butylbenzene | ug/L | <0.42 | 1.0 | 04/30/21 16:45 | |
| Styrene | ug/L | <0.36 | 1.0 | 04/30/21 16:45 | |
| tert-Butylbenzene | ug/L | <0.59 | 1.0 | 04/30/21 16:45 | |
| Tetrachloroethene | ug/L | <0.41 | 1.0 | 04/30/21 16:45 | |
| Tetrahydrofuran | ug/L | <2.4 | 25.0 | 04/30/21 16:45 | |
| Toluene | ug/L | <0.29 | 1.0 | 04/30/21 16:45 | |
| trans-1,2-Dichloroethene | ug/L | <0.53 | 1.0 | 04/30/21 16:45 | |
| trans-1,3-Dichloropropene | ug/L | <3.5 | 5.0 | 04/30/21 16:45 | |
| Trichloroethene | ug/L | <0.32 | 1.0 | 04/30/21 16:45 | |
| Trichlorofluoromethane | ug/L | <0.42 | 1.0 | 04/30/21 16:45 | |
| Vinyl chloride | ug/L | <0.17 | 1.0 | 04/30/21 16:45 | |
| Xylene (Total) | ug/L | <1.0 | 3.0 | 04/30/21 16:45 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 100 | 70-130 | 04/30/21 16:45 | |
| 4-Bromofluorobenzene (S) | % | 102 | 70-130 | 04/30/21 16:45 | |
| Toluene-d8 (S) | % | 97 | 70-130 | 04/30/21 16:45 | |

LABORATORY CONTROL SAMPLE: 2214678

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/L | 50 | 55.9 | 112 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 49.2 | 98 | 66-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 52.3 | 105 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 54.9 | 110 | 68-132 | |
| 1,1-Dichloroethene | ug/L | 50 | 55.5 | 111 | 85-126 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 47.1 | 94 | 51-126 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 55.2 | 110 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 53.4 | 107 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 51.1 | 102 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 52.5 | 105 | 78-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 54.6 | 109 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 53.9 | 108 | 70-130 | |
| Benzene | ug/L | 50 | 53.5 | 107 | 70-132 | |
| Bromodichloromethane | ug/L | 50 | 54.2 | 108 | 70-130 | |
| Bromoform | ug/L | 50 | 50.6 | 101 | 65-130 | |
| Bromomethane | ug/L | 50 | 47.1 | 94 | 44-128 | |
| Carbon disulfide | ug/L | 50 | 58.1 | 116 | 60-140 | |
| Carbon tetrachloride | ug/L | 50 | 56.5 | 113 | 70-130 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

LABORATORY CONTROL SAMPLE: 2214678

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Chlorobenzene | ug/L | 50 | 52.6 | 105 | 70-130 | |
| Chloroethane | ug/L | 50 | 59.1 | 118 | 73-137 | |
| Chloroform | ug/L | 50 | 54.6 | 109 | 80-122 | |
| Chloromethane | ug/L | 50 | 51.6 | 103 | 27-148 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 53.9 | 108 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 51.5 | 103 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 55.2 | 110 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 48.7 | 97 | 22-151 | |
| Ethylbenzene | ug/L | 50 | 53.4 | 107 | 80-123 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 56.3 | 113 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 53.2 | 106 | 66-130 | |
| Methylene Chloride | ug/L | 50 | 52.7 | 105 | 70-130 | |
| Styrene | ug/L | 50 | 55.1 | 110 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 53.4 | 107 | 70-130 | |
| Toluene | ug/L | 50 | 51.3 | 103 | 80-121 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 54.3 | 109 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 45.0 | 90 | 58-125 | |
| Trichloroethene | ug/L | 50 | 54.7 | 109 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 60.3 | 121 | 84-148 | |
| Vinyl chloride | ug/L | 50 | 57.0 | 114 | 63-142 | |
| Xylene (Total) | ug/L | 150 | 162 | 108 | 70-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 98 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 103 | 70-130 | |
| Toluene-d8 (S) | % | | | 99 | 70-130 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

QC Batch: 384496

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40226352004, 40226352005, 40226352006, 40226352007, 40226352011, 40226352013

METHOD BLANK: 2217914

Matrix: Water

Associated Lab Samples: 40226352004, 40226352005, 40226352006, 40226352007, 40226352011, 40226352013

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/L | <0.30 | 1.0 | 05/07/21 10:30 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.38 | 1.0 | 05/07/21 10:30 | |
| 1,1,2-Trichloroethane | ug/L | <0.34 | 5.0 | 05/07/21 10:30 | |
| 1,1-Dichloroethane | ug/L | <0.30 | 1.0 | 05/07/21 10:30 | |
| 1,1-Dichloroethene | ug/L | <0.58 | 1.0 | 05/07/21 10:30 | |
| 1,2,4-Trimethylbenzene | ug/L | <0.45 | 1.0 | 05/07/21 10:30 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.4 | 5.0 | 05/07/21 10:30 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.31 | 1.0 | 05/07/21 10:30 | |
| 1,2-Dichlorobenzene | ug/L | <0.33 | 1.0 | 05/07/21 10:30 | |
| 1,2-Dichloroethane | ug/L | <0.29 | 1.0 | 05/07/21 10:30 | |
| 1,2-Dichloropropane | ug/L | <0.45 | 1.0 | 05/07/21 10:30 | |
| 1,3,5-Trimethylbenzene | ug/L | <0.36 | 1.0 | 05/07/21 10:30 | |
| 1,3-Dichlorobenzene | ug/L | <0.35 | 1.0 | 05/07/21 10:30 | |
| 1,4-Dichlorobenzene | ug/L | <0.89 | 1.0 | 05/07/21 10:30 | |
| 2-Butanone (MEK) | ug/L | <6.5 | 25.0 | 05/07/21 10:30 | |
| 2-Hexanone | ug/L | <6.3 | 25.0 | 05/07/21 10:30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | <6.0 | 25.0 | 05/07/21 10:30 | |
| Acetone | ug/L | <8.6 | 25.0 | 05/07/21 10:30 | |
| Benzene | ug/L | <0.30 | 1.0 | 05/07/21 10:30 | |
| Bromodichloromethane | ug/L | <0.42 | 1.0 | 05/07/21 10:30 | |
| Bromoform | ug/L | <3.8 | 5.0 | 05/07/21 10:30 | |
| Bromomethane | ug/L | <1.2 | 5.0 | 05/07/21 10:30 | |
| Carbon disulfide | ug/L | <1.1 | 5.0 | 05/07/21 10:30 | |
| Carbon tetrachloride | ug/L | <0.37 | 1.0 | 05/07/21 10:30 | |
| Chlorobenzene | ug/L | <0.86 | 1.0 | 05/07/21 10:30 | |
| Chloroethane | ug/L | <1.4 | 5.0 | 05/07/21 10:30 | |
| Chloroform | ug/L | <1.2 | 5.0 | 05/07/21 10:30 | |
| Chloromethane | ug/L | <1.6 | 5.0 | 05/07/21 10:30 | |
| cis-1,2-Dichloroethene | ug/L | <0.47 | 1.0 | 05/07/21 10:30 | |
| cis-1,3-Dichloropropene | ug/L | <0.36 | 1.0 | 05/07/21 10:30 | |
| Dibromochloromethane | ug/L | <2.6 | 5.0 | 05/07/21 10:30 | |
| Dibromomethane | ug/L | <0.99 | 5.0 | 05/07/21 10:30 | |
| Dichlorodifluoromethane | ug/L | <0.46 | 5.0 | 05/07/21 10:30 | |
| Ethylbenzene | ug/L | <0.33 | 1.0 | 05/07/21 10:30 | |
| Hexachloro-1,3-butadiene | ug/L | <2.7 | 5.0 | 05/07/21 10:30 | |
| Isopropylbenzene (Cumene) | ug/L | <1.0 | 5.0 | 05/07/21 10:30 | |
| Methyl-tert-butyl ether | ug/L | <1.1 | 5.0 | 05/07/21 10:30 | |
| Methylene Chloride | ug/L | <0.32 | 5.0 | 05/07/21 10:30 | |
| n-Butylbenzene | ug/L | <0.86 | 1.0 | 05/07/21 10:30 | |
| n-Propylbenzene | ug/L | <0.35 | 1.0 | 05/07/21 10:30 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

METHOD BLANK: 2217914

Matrix: Water

Associated Lab Samples: 40226352004, 40226352005, 40226352006, 40226352007, 40226352011, 40226352013

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|----------------|------------|
| Naphthalene | ug/L | <1.1 | 5.0 | 05/07/21 10:30 | |
| p-Isopropyltoluene | ug/L | <1.0 | 5.0 | 05/07/21 10:30 | |
| sec-Butylbenzene | ug/L | <0.42 | 1.0 | 05/07/21 10:30 | |
| Styrene | ug/L | <0.36 | 1.0 | 05/07/21 10:30 | |
| tert-Butylbenzene | ug/L | <0.59 | 1.0 | 05/07/21 10:30 | |
| Tetrachloroethene | ug/L | <0.41 | 1.0 | 05/07/21 10:30 | |
| Tetrahydrofuran | ug/L | 4.8J | 25.0 | 05/07/21 10:30 | |
| Toluene | ug/L | <0.29 | 1.0 | 05/07/21 10:30 | |
| trans-1,2-Dichloroethene | ug/L | <0.53 | 1.0 | 05/07/21 10:30 | |
| trans-1,3-Dichloropropene | ug/L | <3.5 | 5.0 | 05/07/21 10:30 | |
| Trichloroethene | ug/L | <0.32 | 1.0 | 05/07/21 10:30 | |
| Trichlorofluoromethane | ug/L | <0.42 | 1.0 | 05/07/21 10:30 | |
| Vinyl chloride | ug/L | <0.17 | 1.0 | 05/07/21 10:30 | |
| Xylene (Total) | ug/L | <1.0 | 3.0 | 05/07/21 10:30 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 98 | 70-130 | 05/07/21 10:30 | |
| 4-Bromofluorobenzene (S) | % | 106 | 70-130 | 05/07/21 10:30 | |
| Toluene-d8 (S) | % | 98 | 70-130 | 05/07/21 10:30 | |

LABORATORY CONTROL SAMPLE: 2217915

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/L | 50 | 59.4 | 119 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 50.9 | 102 | 66-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 47.8 | 96 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 59.2 | 118 | 68-132 | |
| 1,1-Dichloroethene | ug/L | 50 | 60.9 | 122 | 85-126 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 51.4 | 103 | 51-126 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 48.9 | 98 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 47.8 | 96 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 56.0 | 112 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 52.8 | 106 | 78-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 51.1 | 102 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 48.0 | 96 | 70-130 | |
| Benzene | ug/L | 50 | 53.6 | 107 | 70-132 | |
| Bromodichloromethane | ug/L | 50 | 56.4 | 113 | 70-130 | |
| Bromoform | ug/L | 50 | 48.7 | 97 | 65-130 | |
| Bromomethane | ug/L | 50 | 44.9 | 90 | 44-128 | |
| Carbon disulfide | ug/L | 50 | 56.3 | 113 | 60-140 | |
| Carbon tetrachloride | ug/L | 50 | 56.7 | 113 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 51.0 | 102 | 70-130 | |
| Chloroethane | ug/L | 50 | 57.1 | 114 | 73-137 | |
| Chloroform | ug/L | 50 | 57.4 | 115 | 80-122 | |
| Chloromethane | ug/L | 50 | 49.3 | 99 | 27-148 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 59.7 | 119 | 70-130 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

LABORATORY CONTROL SAMPLE: 2217915

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| cis-1,3-Dichloropropene | ug/L | 50 | 54.3 | 109 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 50.0 | 100 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 37.4 | 75 | 22-151 | |
| Ethylbenzene | ug/L | 50 | 51.8 | 104 | 80-123 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 52.4 | 105 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 54.8 | 110 | 66-130 | |
| Methylene Chloride | ug/L | 50 | 53.9 | 108 | 70-130 | |
| Styrene | ug/L | 50 | 51.5 | 103 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 48.2 | 96 | 70-130 | |
| Toluene | ug/L | 50 | 51.6 | 103 | 80-121 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 54.5 | 109 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 47.8 | 96 | 58-125 | |
| Trichloroethene | ug/L | 50 | 55.6 | 111 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 66.1 | 132 | 84-148 | |
| Vinyl chloride | ug/L | 50 | 56.1 | 112 | 63-142 | |
| Xylene (Total) | ug/L | 150 | 150 | 100 | 70-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 101 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 102 | 70-130 | |
| Toluene-d8 (S) | % | | | 99 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2219416 2219417

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|-----------------------------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--------|
| | | 40226283025 Result | Spike Conc. | Spike Conc. | Result | | | | | | | Result |
| 1,1,1-Trichloroethane | ug/L | <0.30 | 50 | 50 | 62.8 | 59.9 | 126 | 120 | 70-130 | 5 | 20 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.38 | 50 | 50 | 52.6 | 47.3 | 105 | 95 | 66-130 | 11 | 20 | |
| 1,1,2-Trichloroethane | ug/L | <0.34 | 50 | 50 | 48.8 | 45.6 | 98 | 91 | 70-130 | 7 | 20 | |
| 1,1-Dichloroethane | ug/L | <0.30 | 50 | 50 | 61.7 | 57.4 | 123 | 115 | 68-132 | 7 | 20 | |
| 1,1-Dichloroethene | ug/L | <0.58 | 50 | 50 | 62.7 | 60.3 | 125 | 121 | 76-132 | 4 | 20 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.4 | 50 | 50 | 51.8 | 49.4 | 104 | 99 | 51-126 | 5 | 20 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.31 | 50 | 50 | 50.0 | 46.0 | 100 | 92 | 70-130 | 8 | 20 | |
| 1,2-Dichlorobenzene | ug/L | <0.33 | 50 | 50 | 51.4 | 47.6 | 103 | 95 | 70-130 | 8 | 20 | |
| 1,2-Dichloroethane | ug/L | <0.29 | 50 | 50 | 56.1 | 55.1 | 112 | 110 | 70-130 | 2 | 20 | |
| 1,2-Dichloropropane | ug/L | <0.45 | 50 | 50 | 54.4 | 51.6 | 109 | 103 | 77-125 | 5 | 20 | |
| 1,3-Dichlorobenzene | ug/L | <0.35 | 50 | 50 | 55.8 | 52.1 | 112 | 104 | 70-130 | 7 | 20 | |
| 1,4-Dichlorobenzene | ug/L | <0.89 | 50 | 50 | 51.9 | 47.9 | 104 | 96 | 70-130 | 8 | 20 | |
| Benzene | ug/L | <0.30 | 50 | 50 | 56.6 | 54.8 | 113 | 110 | 70-132 | 3 | 20 | |
| Bromodichloromethane | ug/L | <0.42 | 50 | 50 | 57.4 | 55.0 | 115 | 110 | 70-130 | 4 | 20 | |
| Bromoform | ug/L | <3.8 | 50 | 50 | 49.2 | 46.6 | 98 | 93 | 65-130 | 5 | 20 | |
| Bromomethane | ug/L | <1.2 | 50 | 50 | 51.3 | 50.8 | 103 | 102 | 44-128 | 1 | 21 | |
| Carbon disulfide | ug/L | <1.1 | 50 | 50 | 61.8 | 59.0 | 124 | 118 | 60-140 | 5 | 20 | |
| Carbon tetrachloride | ug/L | <0.37 | 50 | 50 | 59.7 | 57.5 | 119 | 115 | 70-132 | 4 | 20 | |
| Chlorobenzene | ug/L | <0.86 | 50 | 50 | 53.1 | 50.3 | 106 | 101 | 70-130 | 5 | 20 | |
| Chloroethane | ug/L | <1.4 | 50 | 50 | 61.5 | 60.7 | 123 | 121 | 70-137 | 1 | 20 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Parameter | Units | 2219416 | | 2219417 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | RPD | Qual |
|------------------------------|-------|-----------------------|----------------------|-----------------------|--------------|--------------|---------------|-------------|--------------|-----------------|------------|-----|------|
| | | 40226283025 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | | |
| Chloroform | ug/L | <1.2 | 50 | 50 | 59.2 | 56.4 | 118 | 113 | 80-122 | 5 | 20 | | |
| Chloromethane | ug/L | <1.6 | 50 | 50 | 54.1 | 51.4 | 108 | 103 | 17-149 | 5 | 20 | | |
| cis-1,2-Dichloroethene | ug/L | <0.47 | 50 | 50 | 62.0 | 59.0 | 124 | 118 | 70-130 | 5 | 20 | | |
| cis-1,3-Dichloropropene | ug/L | <0.36 | 50 | 50 | 57.2 | 56.1 | 114 | 112 | 70-130 | 2 | 20 | | |
| Dibromochloromethane | ug/L | <2.6 | 50 | 50 | 49.0 | 45.7 | 98 | 91 | 70-130 | 7 | 20 | | |
| Dichlorodifluoromethane | ug/L | <0.46 | 50 | 50 | 40.9 | 38.1 | 82 | 76 | 22-158 | 7 | 20 | | |
| Ethylbenzene | ug/L | <0.33 | 50 | 50 | 54.7 | 51.7 | 109 | 103 | 80-123 | 6 | 20 | | |
| Isopropylbenzene (Cumene) | ug/L | <1.0 | 50 | 50 | 55.7 | 53.0 | 111 | 106 | 70-130 | 5 | 20 | | |
| Methyl-tert-butyl ether | ug/L | <1.1 | 50 | 50 | 55.4 | 51.1 | 111 | 102 | 66-130 | 8 | 20 | | |
| Methylene Chloride | ug/L | <0.32 | 50 | 50 | 57.5 | 55.9 | 115 | 112 | 70-130 | 3 | 20 | | |
| Styrene | ug/L | <0.36 | 50 | 50 | 54.1 | 51.0 | 108 | 102 | 70-130 | 6 | 20 | | |
| Tetrachloroethene | ug/L | <0.41 | 50 | 50 | 50.0 | 47.2 | 100 | 94 | 70-130 | 6 | 20 | | |
| Toluene | ug/L | <0.29 | 50 | 50 | 53.5 | 51.0 | 107 | 102 | 80-121 | 5 | 20 | | |
| trans-1,2-Dichloroethene | ug/L | <0.53 | 50 | 50 | 58.1 | 54.8 | 116 | 110 | 70-134 | 6 | 20 | | |
| trans-1,3-Dichloropropene | ug/L | <3.5 | 50 | 50 | 46.7 | 44.1 | 93 | 88 | 58-130 | 6 | 20 | | |
| Trichloroethene | ug/L | <0.32 | 50 | 50 | 58.7 | 55.9 | 117 | 112 | 70-130 | 5 | 20 | | |
| Trichlorofluoromethane | ug/L | <0.42 | 50 | 50 | 68.4 | 67.7 | 137 | 135 | 82-151 | 1 | 20 | | |
| Vinyl chloride | ug/L | <0.17 | 50 | 50 | 60.4 | 58.8 | 121 | 118 | 61-143 | 3 | 20 | | |
| Xylene (Total) | ug/L | <1.0 | 150 | 150 | 158 | 149 | 105 | 99 | 70-130 | 6 | 20 | | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | | | | 100 | 101 | 70-130 | | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 102 | 104 | 70-130 | | | | |
| Toluene-d8 (S) | % | | | | | | 98 | 97 | 70-130 | | | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384717 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40226352003

METHOD BLANK: 2219656 Matrix: Water
Associated Lab Samples: 40226352003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/L | <0.30 | 1.0 | 05/12/21 08:15 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.38 | 1.0 | 05/12/21 08:15 | |
| 1,1,2-Trichloroethane | ug/L | <0.34 | 5.0 | 05/12/21 08:15 | |
| 1,1-Dichloroethane | ug/L | <0.30 | 1.0 | 05/12/21 08:15 | |
| 1,1-Dichloroethene | ug/L | <0.58 | 1.0 | 05/12/21 08:15 | |
| 1,2,4-Trimethylbenzene | ug/L | <0.45 | 1.0 | 05/12/21 08:15 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.4 | 5.0 | 05/12/21 08:15 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.31 | 1.0 | 05/12/21 08:15 | |
| 1,2-Dichlorobenzene | ug/L | <0.33 | 1.0 | 05/12/21 08:15 | |
| 1,2-Dichloroethane | ug/L | <0.29 | 1.0 | 05/12/21 08:15 | |
| 1,2-Dichloropropane | ug/L | <0.45 | 1.0 | 05/12/21 08:15 | |
| 1,3,5-Trimethylbenzene | ug/L | <0.36 | 1.0 | 05/12/21 08:15 | |
| 1,3-Dichlorobenzene | ug/L | <0.35 | 1.0 | 05/12/21 08:15 | |
| 1,4-Dichlorobenzene | ug/L | <0.89 | 1.0 | 05/12/21 08:15 | |
| 2-Butanone (MEK) | ug/L | <6.5 | 25.0 | 05/12/21 08:15 | |
| 2-Hexanone | ug/L | <6.3 | 25.0 | 05/12/21 08:15 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | <6.0 | 25.0 | 05/12/21 08:15 | |
| Acetone | ug/L | <8.6 | 25.0 | 05/12/21 08:15 | |
| Benzene | ug/L | <0.30 | 1.0 | 05/12/21 08:15 | |
| Bromodichloromethane | ug/L | <0.42 | 1.0 | 05/12/21 08:15 | |
| Bromoform | ug/L | <3.8 | 5.0 | 05/12/21 08:15 | |
| Bromomethane | ug/L | <1.2 | 5.0 | 05/12/21 08:15 | |
| Carbon disulfide | ug/L | <1.1 | 5.0 | 05/12/21 08:15 | |
| Carbon tetrachloride | ug/L | <0.37 | 1.0 | 05/12/21 08:15 | |
| Chlorobenzene | ug/L | <0.86 | 1.0 | 05/12/21 08:15 | |
| Chloroethane | ug/L | <1.4 | 5.0 | 05/12/21 08:15 | |
| Chloroform | ug/L | <1.2 | 5.0 | 05/12/21 08:15 | |
| Chloromethane | ug/L | <1.6 | 5.0 | 05/12/21 08:15 | |
| cis-1,2-Dichloroethene | ug/L | <0.47 | 1.0 | 05/12/21 08:15 | |
| cis-1,3-Dichloropropene | ug/L | <0.36 | 1.0 | 05/12/21 08:15 | |
| Dibromochloromethane | ug/L | <2.6 | 5.0 | 05/12/21 08:15 | |
| Dibromomethane | ug/L | <0.99 | 5.0 | 05/12/21 08:15 | |
| Dichlorodifluoromethane | ug/L | <0.46 | 5.0 | 05/12/21 08:15 | |
| Ethylbenzene | ug/L | <0.33 | 1.0 | 05/12/21 08:15 | |
| Hexachloro-1,3-butadiene | ug/L | <2.7 | 5.0 | 05/12/21 08:15 | |
| Isopropylbenzene (Cumene) | ug/L | <1.0 | 5.0 | 05/12/21 08:15 | |
| Methyl-tert-butyl ether | ug/L | <1.1 | 5.0 | 05/12/21 08:15 | |
| Methylene Chloride | ug/L | <0.32 | 5.0 | 05/12/21 08:15 | |
| n-Butylbenzene | ug/L | <0.86 | 1.0 | 05/12/21 08:15 | |
| n-Propylbenzene | ug/L | <0.35 | 1.0 | 05/12/21 08:15 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

METHOD BLANK: 2219656 Matrix: Water
Associated Lab Samples: 40226352003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|----------------|------------|
| Naphthalene | ug/L | <1.1 | 5.0 | 05/12/21 08:15 | |
| p-Isopropyltoluene | ug/L | <1.0 | 5.0 | 05/12/21 08:15 | |
| sec-Butylbenzene | ug/L | <0.42 | 1.0 | 05/12/21 08:15 | |
| Styrene | ug/L | <0.36 | 1.0 | 05/12/21 08:15 | |
| tert-Butylbenzene | ug/L | <0.59 | 1.0 | 05/12/21 08:15 | |
| Tetrachloroethene | ug/L | <0.41 | 1.0 | 05/12/21 08:15 | |
| Tetrahydrofuran | ug/L | <2.4 | 25.0 | 05/12/21 08:15 | |
| Toluene | ug/L | <0.29 | 1.0 | 05/12/21 08:15 | |
| trans-1,2-Dichloroethene | ug/L | <0.53 | 1.0 | 05/12/21 08:15 | |
| trans-1,3-Dichloropropene | ug/L | <3.5 | 5.0 | 05/12/21 08:15 | |
| Trichloroethene | ug/L | <0.32 | 1.0 | 05/12/21 08:15 | |
| Trichlorofluoromethane | ug/L | <0.42 | 1.0 | 05/12/21 08:15 | |
| Vinyl chloride | ug/L | <0.17 | 1.0 | 05/12/21 08:15 | |
| Xylene (Total) | ug/L | <1.0 | 3.0 | 05/12/21 08:15 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 100 | 70-130 | 05/12/21 08:15 | |
| 4-Bromofluorobenzene (S) | % | 96 | 70-130 | 05/12/21 08:15 | |
| Toluene-d8 (S) | % | 94 | 70-130 | 05/12/21 08:15 | |

LABORATORY CONTROL SAMPLE: 2219657

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/L | 50 | 57.4 | 115 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 48.1 | 96 | 66-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 50.3 | 101 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 56.3 | 113 | 68-132 | |
| 1,1-Dichloroethene | ug/L | 50 | 61.8 | 124 | 85-126 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 44.0 | 88 | 51-126 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 53.5 | 107 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 52.1 | 104 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 53.8 | 108 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 51.4 | 103 | 78-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 53.0 | 106 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 53.6 | 107 | 70-130 | |
| Benzene | ug/L | 50 | 54.1 | 108 | 70-132 | |
| Bromodichloromethane | ug/L | 50 | 54.4 | 109 | 70-130 | |
| Bromoform | ug/L | 50 | 51.1 | 102 | 65-130 | |
| Bromomethane | ug/L | 50 | 42.4 | 85 | 44-128 | |
| Carbon disulfide | ug/L | 50 | 66.3 | 133 | 60-140 | |
| Carbon tetrachloride | ug/L | 50 | 60.2 | 120 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 53.4 | 107 | 70-130 | |
| Chloroethane | ug/L | 50 | 63.0 | 126 | 73-137 | |
| Chloroform | ug/L | 50 | 55.2 | 110 | 80-122 | |
| Chloromethane | ug/L | 50 | 57.9 | 116 | 27-148 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 52.7 | 105 | 70-130 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

LABORATORY CONTROL SAMPLE: 2219657

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| cis-1,3-Dichloropropene | ug/L | 50 | 51.1 | 102 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 55.7 | 111 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 54.8 | 110 | 22-151 | |
| Ethylbenzene | ug/L | 50 | 53.5 | 107 | 80-123 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 57.1 | 114 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 55.8 | 112 | 66-130 | |
| Methylene Chloride | ug/L | 50 | 58.5 | 117 | 70-130 | |
| Styrene | ug/L | 50 | 55.8 | 112 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 55.9 | 112 | 70-130 | |
| Toluene | ug/L | 50 | 52.1 | 104 | 80-121 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 60.0 | 120 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 45.2 | 90 | 58-125 | |
| Trichloroethene | ug/L | 50 | 54.4 | 109 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 67.0 | 134 | 84-148 | |
| Vinyl chloride | ug/L | 50 | 64.9 | 130 | 63-142 | |
| Xylene (Total) | ug/L | 150 | 164 | 109 | 70-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 100 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 100 | 70-130 | |
| Toluene-d8 (S) | % | | | 96 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2220886 2220887

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|-----------------------------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--------|
| | | 40226544001 Result | Spike Conc. | Spike Conc. | Result | | | | | | | Result |
| 1,1,1-Trichloroethane | ug/L | <0.30 | 50 | 50 | 56.9 | 57.9 | 114 | 116 | 70-130 | 2 | 20 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.38 | 50 | 50 | 48.4 | 48.0 | 97 | 96 | 66-130 | 1 | 20 | |
| 1,1,2-Trichloroethane | ug/L | <0.34 | 50 | 50 | 52.6 | 50.9 | 105 | 102 | 70-130 | 3 | 20 | |
| 1,1-Dichloroethane | ug/L | 0.33J | 50 | 50 | 55.7 | 54.4 | 111 | 108 | 68-132 | 2 | 20 | |
| 1,1-Dichloroethene | ug/L | <0.58 | 50 | 50 | 65.1 | 62.8 | 130 | 126 | 76-132 | 3 | 20 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.4 | 50 | 50 | 44.0 | 44.8 | 88 | 90 | 51-126 | 2 | 20 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.31 | 50 | 50 | 54.5 | 54.0 | 109 | 108 | 70-130 | 1 | 20 | |
| 1,2-Dichlorobenzene | ug/L | <0.33 | 50 | 50 | 53.1 | 51.2 | 106 | 102 | 70-130 | 4 | 20 | |
| 1,2-Dichloroethane | ug/L | <0.29 | 50 | 50 | 55.8 | 54.0 | 112 | 108 | 70-130 | 3 | 20 | |
| 1,2-Dichloropropane | ug/L | <0.45 | 50 | 50 | 52.8 | 50.4 | 106 | 101 | 77-125 | 5 | 20 | |
| 1,3-Dichlorobenzene | ug/L | <0.35 | 50 | 50 | 52.9 | 53.9 | 106 | 108 | 70-130 | 2 | 20 | |
| 1,4-Dichlorobenzene | ug/L | <0.89 | 50 | 50 | 54.1 | 53.2 | 108 | 106 | 70-130 | 2 | 20 | |
| Benzene | ug/L | <0.30 | 50 | 50 | 55.2 | 53.6 | 110 | 107 | 70-132 | 3 | 20 | |
| Bromodichloromethane | ug/L | <0.42 | 50 | 50 | 55.8 | 55.7 | 112 | 111 | 70-130 | 0 | 20 | |
| Bromoform | ug/L | <3.8 | 50 | 50 | 53.7 | 51.7 | 107 | 103 | 65-130 | 4 | 20 | |
| Bromomethane | ug/L | <1.2 | 50 | 50 | 50.0 | 45.8 | 100 | 92 | 44-128 | 9 | 21 | |
| Carbon disulfide | ug/L | <1.1 | 50 | 50 | 68.4 | 67.1 | 136 | 133 | 60-140 | 2 | 20 | |
| Carbon tetrachloride | ug/L | <0.37 | 50 | 50 | 61.7 | 61.2 | 123 | 122 | 70-132 | 1 | 20 | |
| Chlorobenzene | ug/L | <0.86 | 50 | 50 | 55.0 | 53.0 | 110 | 106 | 70-130 | 4 | 20 | |
| Chloroethane | ug/L | <1.4 | 50 | 50 | 68.0 | 67.8 | 136 | 136 | 70-137 | 0 | 20 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Parameter | Units | 2220886 | | 2220887 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|------------------------------|-------|-----------------------|----------------------|-----------------------|--------------|-------------|--------------|-----------------|--------|------------|------|
| | | 40226544001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Chloroform | ug/L | <1.2 | 50 | 50 | 57.1 | 54.1 | 114 | 108 | 80-122 | 5 | 20 |
| Chloromethane | ug/L | <1.6 | 50 | 50 | 58.4 | 57.4 | 117 | 115 | 17-149 | 2 | 20 |
| cis-1,2-Dichloroethene | ug/L | 1.3 | 50 | 50 | 57.7 | 55.9 | 113 | 109 | 70-130 | 3 | 20 |
| cis-1,3-Dichloropropene | ug/L | <0.36 | 50 | 50 | 52.4 | 50.5 | 105 | 101 | 70-130 | 4 | 20 |
| Dibromochloromethane | ug/L | <2.6 | 50 | 50 | 57.9 | 56.2 | 116 | 112 | 70-130 | 3 | 20 |
| Dichlorodifluoromethane | ug/L | 2.2J | 50 | 50 | 56.6 | 55.4 | 109 | 106 | 22-158 | 2 | 20 |
| Ethylbenzene | ug/L | <0.33 | 50 | 50 | 54.8 | 54.7 | 110 | 109 | 80-123 | 0 | 20 |
| Isopropylbenzene (Cumene) | ug/L | <1.0 | 50 | 50 | 58.6 | 55.6 | 117 | 111 | 70-130 | 5 | 20 |
| Methyl-tert-butyl ether | ug/L | <1.1 | 50 | 50 | 53.5 | 54.3 | 107 | 109 | 66-130 | 2 | 20 |
| Methylene Chloride | ug/L | <0.32 | 50 | 50 | 60.4 | 57.8 | 121 | 116 | 70-130 | 4 | 20 |
| Styrene | ug/L | <0.36 | 50 | 50 | 56.2 | 54.5 | 112 | 109 | 70-130 | 3 | 20 |
| Tetrachloroethene | ug/L | <0.41 | 50 | 50 | 56.1 | 55.9 | 112 | 112 | 70-130 | 0 | 20 |
| Toluene | ug/L | <0.29 | 50 | 50 | 53.8 | 51.6 | 107 | 103 | 80-121 | 4 | 20 |
| trans-1,2-Dichloroethene | ug/L | <0.53 | 50 | 50 | 57.1 | 55.1 | 114 | 110 | 70-134 | 4 | 20 |
| trans-1,3-Dichloropropene | ug/L | <3.5 | 50 | 50 | 47.1 | 45.2 | 94 | 90 | 58-130 | 4 | 20 |
| Trichloroethene | ug/L | <0.32 | 50 | 50 | 55.8 | 54.7 | 112 | 109 | 70-130 | 2 | 20 |
| Trichlorofluoromethane | ug/L | <0.42 | 50 | 50 | 69.2 | 67.9 | 138 | 136 | 82-151 | 2 | 20 |
| Vinyl chloride | ug/L | 1.9 | 50 | 50 | 67.6 | 66.4 | 131 | 129 | 61-143 | 2 | 20 |
| Xylene (Total) | ug/L | <1.0 | 150 | 150 | 169 | 163 | 113 | 108 | 70-130 | 4 | 20 |
| 1,2-Dichlorobenzene-d4 (S) | % | | | | | | 99 | 101 | 70-130 | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 101 | 100 | 70-130 | | |
| Toluene-d8 (S) | % | | | | | | 97 | 98 | 70-130 | | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| | | | |
|------------------|-----------|-----------------------|--------------------------------------|
| QC Batch: | 383947 | Analysis Method: | EPA 310.2 |
| QC Batch Method: | EPA 310.2 | Analysis Description: | 310.2 Alkalinity |
| | | Laboratory: | Pace Analytical Services - Green Bay |

Associated Lab Samples: 40226033001, 40226033002, 40226033003, 40226033004, 40226033005, 40226033006, 40226033007, 40226033008, 40226033009, 40226033010, 40226033011, 40226033012, 40226033013, 40226033014, 40226033015, 40226033021, 40226033022, 40226033024

METHOD BLANK: 2214782 Matrix: Water
Associated Lab Samples: 40226033001, 40226033002, 40226033003, 40226033004, 40226033005, 40226033006, 40226033007, 40226033008, 40226033009, 40226033010, 40226033011, 40226033012, 40226033013, 40226033014, 40226033015, 40226033021, 40226033022, 40226033024

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--|-------|--------------|-----------------|----------------|------------|
| Alkalinity, Total as CaCO ₃ | mg/L | <7.4 | 24.8 | 04/30/21 12:56 | |

LABORATORY CONTROL SAMPLE: 2214783

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO ₃ | mg/L | 100 | 103 | 103 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2214784 2214785

| Parameter | Units | 40226033015 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Alkalinity, Total as CaCO ₃ | mg/L | 218 | 100 | 100 | 318 | 319 | 100 | 101 | 90-110 | 0 | 20 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2214786 2214787

| Parameter | Units | 40226033022 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Alkalinity, Total as CaCO ₃ | mg/L | 238 | 100 | 100 | 336 | 337 | 98 | 100 | 90-110 | 0 | 20 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384771 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226352001, 40226352002, 40226352003, 40226352004, 40226352005, 40226352006, 40226352007, 40226352008, 40226352009, 40226352010

METHOD BLANK: 2219849 Matrix: Water
Associated Lab Samples: 40226352001, 40226352002, 40226352003, 40226352004, 40226352005, 40226352006, 40226352007, 40226352008, 40226352009, 40226352010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | <7.4 | 24.8 | 05/11/21 13:25 | |

LABORATORY CONTROL SAMPLE: 2219850

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2219851 2219852

| Parameter | Units | 40226075008 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 | 340 | 200 | 200 | 539 | 540 | 99 | 100 | 90-110 | 0 | 20 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2219853 2219854

| Parameter | Units | 40226352008 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 | 151 | 200 | 200 | 355 | 352 | 102 | 100 | 90-110 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384772 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40226352013

METHOD BLANK: 2219855 Matrix: Water
Associated Lab Samples: 40226352013

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--|-------|--------------|-----------------|----------------|------------|
| Alkalinity, Total as CaCO ₃ | mg/L | <7.4 | 24.8 | 05/11/21 14:00 | |

LABORATORY CONTROL SAMPLE: 2219856

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO ₃ | mg/L | 100 | 101 | 101 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2219857 2219858

| Parameter | Units | 40226317010 | | 2219857 | | 2219858 | | % Rec Limits | RPD | Max RPD | Qual | |
|--|-------|-------------|----------------|-----------|-----------------|-----------|------------|--------------|--------|---------|------|----------|
| | | Result | MS Spike Conc. | MS Result | MSD Spike Conc. | MS Result | MSD Result | | | | | MS % Rec |
| Alkalinity, Total as CaCO ₃ | mg/L | 2390 | 1000 | 1000 | 3390 | 3390 | 99 | 99 | 90-110 | 0 | 20 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2219859 2219860

| Parameter | Units | 40226434009 | | 2219859 | | 2219860 | | % Rec Limits | RPD | Max RPD | Qual | |
|--|-------|-------------|----------------|-----------|-----------------|-----------|------------|--------------|--------|---------|------|----------|
| | | Result | MS Spike Conc. | MS Result | MSD Spike Conc. | MS Result | MSD Result | | | | | MS % Rec |
| Alkalinity, Total as CaCO ₃ | mg/L | 60.0 | 100 | 100 | 161 | 162 | 101 | 102 | 90-110 | 0 | 20 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384173 Analysis Method: EPA 9060
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226033001, 40226033002, 40226033003, 40226033004, 40226033005, 40226033006, 40226033007, 40226033008, 40226033009, 40226033010, 40226033011, 40226033012, 40226033013, 40226033014, 40226033015, 40226033021

METHOD BLANK: 2216174 Matrix: Water
Associated Lab Samples: 40226033001, 40226033002, 40226033003, 40226033004, 40226033005, 40226033006, 40226033007, 40226033008, 40226033009, 40226033010, 40226033011, 40226033012, 40226033013, 40226033014, 40226033015, 40226033021

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| Mean Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/04/21 14:15 | |
| Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/04/21 14:15 | |
| Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/04/21 14:15 | |
| Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/04/21 14:15 | |
| Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/04/21 14:15 | |

LABORATORY CONTROL SAMPLE: 2216175

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Mean Total Organic Carbon | mg/L | 12.5 | 12.5 | 100 | 80-120 | |
| Total Organic Carbon | mg/L | 12.5 | 12.6 | 100 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.5 | 100 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.6 | 101 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.5 | 100 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2216176 2216177

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|---------------------------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--------|
| | | 40226033001 Result | Spike Conc. | Spike Conc. | Result | | | | | | | Result |
| Mean Total Organic Carbon | mg/L | 2.7 | 6 | 6 | 8.7 | 8.9 | 99 | 103 | 80-120 | 2 | 20 | |
| Total Organic Carbon | mg/L | 2.7 | 6 | 6 | 8.6 | 8.9 | 99 | 103 | | 2 | | |
| Total Organic Carbon | mg/L | 2.7 | 6 | 6 | 8.7 | 8.9 | 100 | 103 | | 2 | | |
| Total Organic Carbon | mg/L | 2.7 | 6 | 6 | 8.6 | 8.9 | 98 | 103 | | 3 | | |
| Total Organic Carbon | mg/L | 2.7 | 6 | 6 | 8.7 | 8.9 | 100 | 102 | | 2 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2216178 2216179

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|---------------------------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--------|
| | | 40226033002 Result | Spike Conc. | Spike Conc. | Result | | | | | | | Result |
| Mean Total Organic Carbon | mg/L | 2.4 | 6 | 6 | 8.3 | 8.4 | 99 | 100 | 80-120 | 1 | 20 | |
| Total Organic Carbon | mg/L | 2.3 | 6 | 6 | 8.2 | 8.3 | 98 | 100 | | 1 | | |
| Total Organic Carbon | mg/L | 2.4 | 6 | 6 | 8.3 | 8.4 | 98 | 100 | | 2 | | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Parameter | Units | 2216178 | | 2216179 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | Qual |
|----------------------|-------|-----------------------|----------------------|-----------------------|--------------|--------------|---------------|-------------|--------------|-----------------|------------|------|
| | | 40226033002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | |
| Total Organic Carbon | mg/L | 2.3 | 6 | 6 | 8.3 | 8.3 | 100 | 100 | | | 0 | |
| Total Organic Carbon | mg/L | 2.4 | 6 | 6 | 8.3 | 8.4 | 98 | 100 | | | 2 | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384176 Analysis Method: EPA 9060
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226033022, 40226033024

METHOD BLANK: 2216180 Matrix: Water
Associated Lab Samples: 40226033022, 40226033024

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| Mean Total Organic Carbon | mg/L | 0.10J | 0.50 | 05/05/21 01:02 | |
| Total Organic Carbon | mg/L | 0.11J | 0.50 | 05/05/21 01:02 | |
| Total Organic Carbon | mg/L | 0.10J | 0.50 | 05/05/21 01:02 | |
| Total Organic Carbon | mg/L | 0.10J | 0.50 | 05/05/21 01:02 | |
| Total Organic Carbon | mg/L | 0.10J | 0.50 | 05/05/21 01:02 | |

LABORATORY CONTROL SAMPLE: 2216181

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Mean Total Organic Carbon | mg/L | 12.5 | 12.9 | 103 | 80-120 | |
| Total Organic Carbon | mg/L | 12.5 | 12.9 | 103 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.9 | 103 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.9 | 103 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.9 | 103 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2216182 2216183

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---------------------------|-------|--------------------|-------------|-------------|-------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 40226033024 Result | Spike Conc. | Spike Conc. | Conc. | | | | | | | | |
| Mean Total Organic Carbon | mg/L | 2.8 | 6 | 6 | 6 | 9.0 | 9.0 | 103 | 103 | 80-120 | 0 | 20 | |
| Total Organic Carbon | mg/L | 2.8 | 6 | 6 | 6 | 8.9 | 8.9 | 102 | 102 | | 0 | | |
| Total Organic Carbon | mg/L | 2.8 | 6 | 6 | 6 | 9.0 | 9.0 | 103 | 103 | | 0 | | |
| Total Organic Carbon | mg/L | 2.8 | 6 | 6 | 6 | 8.9 | 9.0 | 102 | 103 | | 0 | | |
| Total Organic Carbon | mg/L | 2.8 | 6 | 6 | 6 | 9.0 | 9.0 | 103 | 103 | | 0 | | |

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QUALITY CONTROL DATA

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

QC Batch: 384455 Analysis Method: EPA 9060
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40226352001, 40226352002, 40226352003, 40226352004, 40226352005, 40226352006, 40226352007, 40226352008, 40226352009, 40226352010, 40226352013

METHOD BLANK: 2217648 Matrix: Water
Associated Lab Samples: 40226352001, 40226352002, 40226352003, 40226352004, 40226352005, 40226352006, 40226352007, 40226352008, 40226352009, 40226352010, 40226352013

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| Mean Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/06/21 10:31 | |
| Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/06/21 10:31 | |
| Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/06/21 10:31 | |
| Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/06/21 10:31 | |
| Total Organic Carbon | mg/L | <0.085 | 0.50 | 05/06/21 10:31 | |

LABORATORY CONTROL SAMPLE: 2217649

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Mean Total Organic Carbon | mg/L | 12.5 | 12.7 | 102 | 80-120 | |
| Total Organic Carbon | mg/L | 12.5 | 12.7 | 102 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.8 | 102 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.7 | 102 | | |
| Total Organic Carbon | mg/L | 12.5 | 12.7 | 102 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2217650 2217651

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---------------------------|-------|--------------------|-------------|-------------|-------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 40226352001 Result | Spike Conc. | Spike Conc. | Conc. | | | | | | | | |
| Mean Total Organic Carbon | mg/L | 5.4 | 12 | 12 | 17.7 | 17.8 | 102 | 104 | 80-120 | 1 | 20 | | |
| Total Organic Carbon | mg/L | 5.3 | 12 | 12 | 17.6 | 17.8 | 102 | 104 | | | 1 | | |
| Total Organic Carbon | mg/L | 5.5 | 12 | 12 | 17.8 | 17.8 | 102 | 103 | | | 0 | | |
| Total Organic Carbon | mg/L | 5.3 | 12 | 12 | 17.7 | 18.0 | 103 | 105 | | | 2 | | |
| Total Organic Carbon | mg/L | 5.4 | 12 | 12 | 17.7 | 17.8 | 102 | 103 | | | 0 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2217652 2217653

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---------------------------|-------|--------------------|-------------|-------------|-------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 40226352002 Result | Spike Conc. | Spike Conc. | Conc. | | | | | | | | |
| Mean Total Organic Carbon | mg/L | 4.5 | 6 | 6 | 10.7 | 11.0 | 103 | 107 | 80-120 | 2 | 20 | | |
| Total Organic Carbon | mg/L | 4.6 | 6 | 6 | 10.7 | 11.0 | 103 | 107 | | | 2 | | |
| Total Organic Carbon | mg/L | 4.6 | 6 | 6 | 10.7 | 11.0 | 102 | 106 | | | 2 | | |
| Total Organic Carbon | mg/L | 4.5 | 6 | 6 | 10.8 | 11.0 | 104 | 107 | | | 2 | | |
| Total Organic Carbon | mg/L | 4.5 | 6 | 6 | 10.7 | 11.0 | 103 | 108 | | | 2 | | |

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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QUALIFIERS

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|----------|-------------------|------------------|
| 40226033016 | PW-2 | EPA 3010 | 384139 | EPA 6010 | 384244 |
| 40226033016 | PW-2 | EPA 3010 | 384556 | EPA 6010 | 384697 |
| 40226033017 | PW-3 | EPA 3010 | 384139 | EPA 6010 | 384244 |
| 40226033017 | PW-3 | EPA 3010 | 384556 | EPA 6010 | 384697 |
| 40226033018 | PW-4 | EPA 3010 | 384139 | EPA 6010 | 384244 |
| 40226033018 | PW-4 | EPA 3010 | 384556 | EPA 6010 | 384697 |
| 40226033019 | PW-5 | EPA 3010 | 384139 | EPA 6010 | 384244 |
| 40226033019 | PW-5 | EPA 3010 | 384556 | EPA 6010 | 384697 |
| 40226033020 | PW-6 | EPA 3010 | 384139 | EPA 6010 | 384244 |
| 40226033020 | PW-6 | EPA 3010 | 384556 | EPA 6010 | 384697 |
| 40226033001 | MW-1SR | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033002 | MW-4S | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033003 | MW-6S | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033004 | MW-6M | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033005 | MW-7M | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033006 | MW-8S | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033007 | MW-8M | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033008 | MW-9M | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033009 | MW-11M | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033010 | MW-10M | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033011 | MW-12S | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033012 | PZ-3 | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033013 | PZ-4 | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033014 | PZ-5 | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033015 | PZ-6 | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033021 | MW-11M DUP | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033022 | MW-6S DUP | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226033024 | MW-15M | EPA 3010 | 384093 | EPA 6010 | 384204 |
| 40226352011 | PW-1 | EPA 3010A | 385217 | EPA 6010D | 385405 |
| 40226352001 | MW-2S | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352002 | MW-2M | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352003 | MW-5S | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352004 | MW-14S | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352005 | MW-16S | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352006 | MW-16M | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352007 | MW-17S | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352008 | MW-17M | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352009 | PZ-1 | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352010 | PZ-2 | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352012 | MW-17S DUP | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226352013 | MW-16S DUP | EPA 3010A | 385223 | EPA 6010D | 385407 |
| 40226033016 | PW-2 | EPA 7470 | 384570 | EPA 7470 | 384623 |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|----------|-------------------|------------------|
| 40226033017 | PW-3 | EPA 7470 | 384570 | EPA 7470 | 384623 |
| 40226033018 | PW-4 | EPA 7470 | 384570 | EPA 7470 | 384623 |
| 40226033019 | PW-5 | EPA 7470 | 384570 | EPA 7470 | 384623 |
| 40226033020 | PW-6 | EPA 7470 | 384570 | EPA 7470 | 384623 |
| 40226352011 | PW-1 | EPA 7470 | 384699 | EPA 7470 | 384746 |
| 40226033001 | MW-1SR | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033002 | MW-4S | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033003 | MW-6S | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033004 | MW-6M | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033005 | MW-7M | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033006 | MW-8S | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033007 | MW-8M | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033008 | MW-9M | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033009 | MW-11M | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033010 | MW-10M | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033011 | MW-12S | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033012 | PZ-3 | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033013 | PZ-4 | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033014 | PZ-5 | EPA 7470 | 384187 | EPA 7470 | 384258 |
| 40226033015 | PZ-6 | EPA 7470 | 384189 | EPA 7470 | 384259 |
| 40226033021 | MW-11M DUP | EPA 7470 | 384189 | EPA 7470 | 384259 |
| 40226033022 | MW-6S DUP | EPA 7470 | 384189 | EPA 7470 | 384259 |
| 40226033024 | MW-15M | EPA 7470 | 384189 | EPA 7470 | 384259 |
| 40226352001 | MW-2S | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352002 | MW-2M | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352003 | MW-5S | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352004 | MW-14S | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352005 | MW-16S | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352006 | MW-16M | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352007 | MW-17S | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352008 | MW-17M | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352009 | PZ-1 | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352010 | PZ-2 | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352012 | MW-17S DUP | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226352013 | MW-16S DUP | EPA 7470 | 385130 | EPA 7470 | 385179 |
| 40226033002 | MW-4S | EPA 8260 | 383932 | | |
| 40226033003 | MW-6S | EPA 8260 | 383932 | | |
| 40226033004 | MW-6M | EPA 8260 | 383932 | | |
| 40226033006 | MW-8S | EPA 8260 | 383932 | | |
| 40226033007 | MW-8M | EPA 8260 | 383932 | | |
| 40226033011 | MW-12S | EPA 8260 | 383932 | | |
| 40226033014 | PZ-5 | EPA 8260 | 383932 | | |
| 40226033015 | PZ-6 | EPA 8260 | 383932 | | |
| 40226033016 | PW-2 | EPA 8260 | 383932 | | |
| 40226033017 | PW-3 | EPA 8260 | 383932 | | |
| 40226033018 | PW-4 | EPA 8260 | 383932 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|----------|-------------------|------------------|
| 40226033019 | PW-5 | EPA 8260 | 383932 | | |
| 40226033020 | PW-6 | EPA 8260 | 383932 | | |
| 40226033022 | MW-6S DUP | EPA 8260 | 383932 | | |
| 40226033023 | TRIP BLANK | EPA 8260 | 383932 | | |
| 40226352003 | MW-5S | EPA 8260 | 384717 | | |
| 40226352004 | MW-14S | EPA 8260 | 384496 | | |
| 40226352005 | MW-16S | EPA 8260 | 384496 | | |
| 40226352006 | MW-16M | EPA 8260 | 384496 | | |
| 40226352007 | MW-17S | EPA 8260 | 384496 | | |
| 40226352011 | PW-1 | EPA 8260 | 384496 | | |
| 40226352013 | MW-16S DUP | EPA 8260 | 384496 | | |
| 40226033001 | MW-1SR | | | | |
| 40226033002 | MW-4S | | | | |
| 40226033003 | MW-6S | | | | |
| 40226033004 | MW-6M | | | | |
| 40226033005 | MW-7M | | | | |
| 40226033006 | MW-8S | | | | |
| 40226033007 | MW-8M | | | | |
| 40226033008 | MW-9M | | | | |
| 40226033009 | MW-11M | | | | |
| 40226033010 | MW-10M | | | | |
| 40226033011 | MW-12S | | | | |
| 40226033012 | PZ-3 | | | | |
| 40226033013 | PZ-4 | | | | |
| 40226033014 | PZ-5 | | | | |
| 40226033015 | PZ-6 | | | | |
| 40226033024 | MW-15M | | | | |
| 40226352001 | MW-2S | | | | |
| 40226352002 | MW-2M | | | | |
| 40226352003 | MW-5S | | | | |
| 40226352004 | MW-14S | | | | |
| 40226352005 | MW-16S | | | | |
| 40226352006 | MW-16M | | | | |
| 40226352007 | MW-17S | | | | |
| 40226352008 | MW-17M | | | | |
| 40226352009 | PZ-1 | | | | |
| 40226352010 | PZ-2 | | | | |
| 40226033001 | MW-1SR | EPA 310.2 | 383947 | | |
| 40226033002 | MW-4S | EPA 310.2 | 383947 | | |
| 40226033003 | MW-6S | EPA 310.2 | 383947 | | |
| 40226033004 | MW-6M | EPA 310.2 | 383947 | | |
| 40226033005 | MW-7M | EPA 310.2 | 383947 | | |
| 40226033006 | MW-8S | EPA 310.2 | 383947 | | |
| 40226033007 | MW-8M | EPA 310.2 | 383947 | | |
| 40226033008 | MW-9M | EPA 310.2 | 383947 | | |
| 40226033009 | MW-11M | EPA 310.2 | 383947 | | |
| 40226033010 | MW-10M | EPA 310.2 | 383947 | | |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL
Pace Project No.: 40226033

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|----------|-------------------|------------------|
| 40226033011 | MW-12S | EPA 310.2 | 383947 | | |
| 40226033012 | PZ-3 | EPA 310.2 | 383947 | | |
| 40226033013 | PZ-4 | EPA 310.2 | 383947 | | |
| 40226033014 | PZ-5 | EPA 310.2 | 383947 | | |
| 40226033015 | PZ-6 | EPA 310.2 | 383947 | | |
| 40226033021 | MW-11M DUP | EPA 310.2 | 383947 | | |
| 40226033022 | MW-6S DUP | EPA 310.2 | 383947 | | |
| 40226033024 | MW-15M | EPA 310.2 | 383947 | | |
| 40226352001 | MW-2S | EPA 310.2 | 384771 | | |
| 40226352002 | MW-2M | EPA 310.2 | 384771 | | |
| 40226352003 | MW-5S | EPA 310.2 | 384771 | | |
| 40226352004 | MW-14S | EPA 310.2 | 384771 | | |
| 40226352005 | MW-16S | EPA 310.2 | 384771 | | |
| 40226352006 | MW-16M | EPA 310.2 | 384771 | | |
| 40226352007 | MW-17S | EPA 310.2 | 384771 | | |
| 40226352008 | MW-17M | EPA 310.2 | 384771 | | |
| 40226352009 | PZ-1 | EPA 310.2 | 384771 | | |
| 40226352010 | PZ-2 | EPA 310.2 | 384771 | | |
| 40226352013 | MW-16S DUP | EPA 310.2 | 384772 | | |
| 40226033001 | MW-1SR | EPA 9060 | 384173 | | |
| 40226033002 | MW-4S | EPA 9060 | 384173 | | |
| 40226033003 | MW-6S | EPA 9060 | 384173 | | |
| 40226033004 | MW-6M | EPA 9060 | 384173 | | |
| 40226033005 | MW-7M | EPA 9060 | 384173 | | |
| 40226033006 | MW-8S | EPA 9060 | 384173 | | |
| 40226033007 | MW-8M | EPA 9060 | 384173 | | |
| 40226033008 | MW-9M | EPA 9060 | 384173 | | |
| 40226033009 | MW-11M | EPA 9060 | 384173 | | |
| 40226033010 | MW-10M | EPA 9060 | 384173 | | |
| 40226033011 | MW-12S | EPA 9060 | 384173 | | |
| 40226033012 | PZ-3 | EPA 9060 | 384173 | | |
| 40226033013 | PZ-4 | EPA 9060 | 384173 | | |
| 40226033014 | PZ-5 | EPA 9060 | 384173 | | |
| 40226033015 | PZ-6 | EPA 9060 | 384173 | | |
| 40226033021 | MW-11M DUP | EPA 9060 | 384173 | | |
| 40226033022 | MW-6S DUP | EPA 9060 | 384176 | | |
| 40226033024 | MW-15M | EPA 9060 | 384176 | | |
| 40226352001 | MW-2S | EPA 9060 | 384455 | | |
| 40226352002 | MW-2M | EPA 9060 | 384455 | | |
| 40226352003 | MW-5S | EPA 9060 | 384455 | | |
| 40226352004 | MW-14S | EPA 9060 | 384455 | | |
| 40226352005 | MW-16S | EPA 9060 | 384455 | | |
| 40226352006 | MW-16M | EPA 9060 | 384455 | | |
| 40226352007 | MW-17S | EPA 9060 | 384455 | | |
| 40226352008 | MW-17M | EPA 9060 | 384455 | | |
| 40226352009 | PZ-1 | EPA 9060 | 384455 | | |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TOWN OF ONALASKA LANDFILL

Pace Project No.: 40226033

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---------------|------------------|------------------------|-----------------|--------------------------|-------------------------|
| 40226352010 | PZ-2 | EPA 9060 | 384455 | | |
| 40226352013 | MW-16S DUP | EPA 9060 | 384455 | | |

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UPPER MIDWEST REGION

Page 1 of 1

MN: 612-607-1700 WI: 920-469-2436

COC No. 40226033

Company Name: The OS Group LLC
 Branch/Location: LaCrosse WI
 Project Contact: Steven Oseseck
 Phone: 608-433-9388
 Project Number:
 Project Name: Town of Onalaska Landfill
 Project State: WI
 Sampled By (Print): Steven Oseseck
 Sampled By (Sign): *Steven Oseseck*



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

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

| Y/N | N | Y | N | N | N | | | | |
|--------------------|-----------|-------------------------|------------------|----------|--------------------------|--|--|--|--|
| Pick Letter | B | D | A | C | D | | | | |
| Analyses Requested | VOCs 8260 | Metals, Diss* 6010/7470 | Alkalinity 310.2 | TOC 9060 | Metals, Total* 6010/7470 | | | | |

Quote #:

Mail To Contact: Steven Oseseck

Mail To Company: The OS Group LLC

Mail To Address: 444 21st St S
LaCrosse, WI 54601

Invoice To Contact: Steven Oseseck

Invoice To Company: The OS Group LLC

Invoice To Address: 444 21st St S
LaCrosse, WI 54601

Invoice To Phone: 608-433-9388

CLIENT COMMENTS | **LAB COMMENTS (Lab Use Only)** | **Profile #**

Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg

Sample placement updated per Steve Oseseck. Designation per collection times on labels. 4/30/21 CDH

| PACE LAB # | CLIENT FIELD ID | COLLECTION | | MATRIX | Y/N | N | Y | N | N | N |
|------------|---------------------------|------------|-------|--------|-----|---|---|---|---|---|
| | | DATE | TIME | | | | | | | |
| 001 | MW-15R | 4/26 | 3:19 | GW | | | X | X | X | |
| 002 | MW-45 | 4/26 | 3:52 | GW | | X | X | X | X | |
| 003 | MW-65 | 4/27 | 2:18 | GW | | X | X | X | X | |
| 004 | MW-6M | 4/27 | 2:36 | GW | | X | X | X | X | |
| 005 | MW-7M | 4/26 | 12:47 | | | | X | X | X | |
| 006 | MW-85 | 4/26 | 2:23 | | | X | X | X | X | |
| 007 | MW-8M | 4/26 | 2:02 | | | X | X | X | X | |
| 008 | MW-9M | 4/27 | 10:51 | | | | X | X | X | |
| 009 | MW-10M MW-11M* | 4/27 | 11:59 | 1014* | | | X | X | X | |
| 010 | MW-11M MW-10M* | 4/27 | 10:44 | 1159* | | | X | X | X | |
| 011 | MW-125 | 4/26 | 12:00 | GW | | X | X | X | X | |
| 012 | P2-3 | 4/27 | 1:15 | GW | | | X | X | X | |
| 013 | P2-4 | 4/27 | 12:33 | GW | | | X | X | X | |

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

Relinquished By: *Steven Oseseck* Date/Time: *4/29/21 4:05*

Received By: _____ Date/Time: _____

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

Relinquished By: *FedEx Express* Date/Time: *4-29-21 0930*

Received By: *Michelle* Date/Time: *4/29/21 0930*

Receipt Temp = 1.0/1.5 °C

Sample Receipt pH: *(X) / Adjusted*

Cooler Custody Seal: *(X) / Not Present*

Intact / Not Intact: _____

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

(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436



COC No. 40226033

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

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

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

| Y/N | N | Y | N | N | N | | | | | |
|--------------------|-------------|-----------|-------------------------|------------------|----------|--------------------------|--|--|--|--|
| | B | D | A | C | D | | | | | |
| Analyses Requested | Pick Letter | VOCs 8260 | Metals, Diss* 6010/7470 | Alkalinity 310.2 | TOC 9060 | Metals, Total* 6010/7470 | | | | |

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 | | MATRIX | Y/N | N | Y | N | N | N | N | N |
|------------|-----------------|------------|-------|--------|-----|---|---|---|---|---|---|---|
| | | DATE | TIME | | | | | | | | | |
| 014 | PZ-5 | 4/26 | 11:07 | GW | | X | X | X | X | | | |
| 015 | PZ-6 | 4/26 | 11:25 | GW | | X | X | X | X | | | |
| 016 | D FW-2 | 4/28 | 12:50 | DW | | X | | | | X | | |
| 017 | PW-3 | 4/28 | 12:10 | | | X | | | | X | | |
| 018 | PW-4 | 4/28 | 12:00 | | | X | | | | X | | |
| 019 | PW-5 | 4/28 | 12:40 | | | X | | | | X | | |
| 020 | PW-6 | 4/28 | 12:50 | | | X | | | | X | | |
| 021 | Dup #1 | 4/27* | 4/29 | GW | | | X | X | X | | | |
| 022 | Dup #2 | 4/27* | 4/29 | GW | | X | X | X | X | | | |
| 023 | Tri B Blank | 4/26 | 10:00 | | | X | | | | | | |
| 024 | PW-15.M | 4/26 | 1:40 | GW | | | X | X | X | | | |

Quote #:

Mail To Contact: Steven Oseseck

Mail To Company: The OS Group LLC

Mail To Address: 444 21st St S
LaCrosse, WI 54601

Invoice To Contact: Steven Oseseck

Invoice To Company: The OS Group LLC

Invoice To Address: 444 21st St S
LaCrosse, WI 54601

Invoice To Phone: 608-433-9388

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg

*Update per Steve O. 4/30/21 CDH

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

Relinquished By: *Steven Oseseck* Date/Time: 4/28/21 7:05

Received By: Date/Time:

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

Relinquished By: *Red Express* Date/Time: 4/29/21 0930

Received By: *William A. Prohaska* Date/Time: 4/29/21 0930

Receipt Temp = 10/1.5 °C

Sample Receipt pH: OK / Adjusted

Cooler Custody Seal: Present / Not Present

Intact / Not Intact

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

Sample Preservation Receipt Form

Client Name: The OS Group LLC

Project # 40226033

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper: 1003601


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

Initial when completed: MLK Date/Time:

| Pace Lab # | Glass | | | | | | | Plastic | | | | | Vials | | | | Jars | | | | General | | | VOA Vials (>6mm) * | H2SO4 pH ≤2 | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤2 | pH after adjusted | Volume (mL) | | | | | |
|------------|-------|------|------|------|------|------|------|---------|------|------|------|------|-------|------|------|------|------|------|------|------|---------|------|------|--------------------|-------------|-------------------|-------------|------------|-------------------|-------------|------|------|----|--|--------------|
| | AG1U | BG1U | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U | BP1U | BP3U | BP3B | BP3N | BP3S | VG9A | DG9T | VG9U | VG9H | VG9M | VG9D | JGFU | JG9U | WGFU | WPFU | | | | | | | | SP5T | ZPLC | GN | | |
| 001 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | 2.5 / 5 / 10 |
| 002 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 003 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 004 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 005 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 006 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 007 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 008 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 009 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 010 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 011 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 012 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 013 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 014 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 015 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 016 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 017 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 018 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 019 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |
| 020 | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | X | | | | | 2.5 / 5 / 10 |

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

| | | | |
|---------------------------------------|------------------------------------|-------------------------------------|---|
| AG1U 1 liter amber glass | BP1U 1 liter plastic unpres | VG9A 40 mL clear ascorbic | JGFU 4 oz amber jar unpres |
| BG1U 1 liter clear glass | BP3U 250 mL plastic unpres | DG9T 40 mL amber Na Thio | JG9U 9 oz amber jar unpres |
| AG1H 1 liter amber glass HCL | BP3B 250 mL plastic NaOH | VG9U 40 mL clear vial unpres | WGFU 4 oz clear jar unpres |
| AG4S 125 mL amber glass H2SO4 | BP3N 250 mL plastic HNO3 | VG9H 40 mL clear vial HCL | WPFU 4 oz plastic jar unpres |
| AG4U 120 mL amber glass unpres | BP3S 250 mL plastic H2SO4 | VG9M 40 mL clear vial MeOH | SP5T 120 mL plastic Na Thiosulfate |
| AG5U 100 mL amber glass unpres | | VG9D 40 mL clear vial DI | ZPLC ziploc bag |
| AG2S 500 mL amber glass H2SO4 | | | GN |
| BG3U 250 mL clear glass unpres | | | |

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

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

 Client Name: The OS Group LLC

 Courier: CS Logistics Fed Ex Speedee UPS Waitco
 Client Pace Other: _____

 Tracking #: 7865 3953 4868

 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-99 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

 Cooler Temperature Uncorr: 1.0/1.5 / Corr: 1.0/1.5

 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 if shipped on Dry Ice.

WO#: 40226033


40226033

Person examining contents:

 Date: 4-29-21 / Initials: ML

 Labeled By Initials: ML

| | | |
|--|--|--|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 2. <u>proj. # 023matrix</u> |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. <u>ML 4-29-21</u> |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 5. |
| - VOA Samples frozen upon receipt | <input type="checkbox"/> Yes <input type="checkbox"/> No | Date/Time: |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. |
| Sufficient Volume: | 8. | |
| For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| - Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| - Pace IR Containers Used: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. |
| Filtered volume received for Dissolved tests | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12. <u>009+010 times switched. OLY time "11:06" 021+022 date "4-27" 011 BP3U no date</u> |
| - Includes date/time/ID/Analysis Matrix: <u>W</u> | | |
| Trip Blank Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 13. <u>Trip blanks expired 4-16-21. (1) trip ML 4-29-21</u> |
| Trip Blank Custody Seals Present | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <u>blank: custody seal un intact ML 4-29-21</u> |
| Pace Trip Blank Lot # (if purchased): <u>441/447</u> | | |

Client Notification/ Resolution:

 If checked, see attached form for additional comments

 Person Contacted: Steve Osesek

 Date/Time: 4/30/21

Comments/ Resolution:

009 / 010 Sample placement updated per Steve Osesek. Sample labels are believed to be mislabeled and switched.
New sample designation per collection times on labels. DUP samples collected 4/27/21, 4/30/21 CDH

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

ML 4-29-21

 Page 3 of 3

(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): | <i>Steven Osesek</i> |
| PO #: | |
| Regulatory Program: | |



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

Page of

COC No. *40226352*

CHAIN OF CUSTODY

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

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

| Y/N | N | Y | N | N | N | | | |
|--------------------|-----------|-------------------------|------------------|----------|--------------------------|--|--|--|
| Pick Letter | B | D | A | C | D | | | |
| Analyses Requested | VOCs 8260 | Metals, Diss* 6010/7470 | Alkalinity 310.2 | TOC 9060 | Metals, Total* 6010/7470 | | | |

| | | |
|---------------------|-------------------------------------|-----------|
| 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 | |
| CLIENT COMMENTS | LAB COMMENTS (Lab Use Only) | Profile # |

| | | |
|---|--|--------------------------------|
| Data Package Options (billable) | MS/MSD | Matrix Codes |
| <input type="checkbox"/> EPA Level III | <input type="checkbox"/> On your sample (billable) | A = Air W = Water |
| <input type="checkbox"/> EPA Level IV | <input type="checkbox"/> NOT needed on your sample | 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 | | MATRIX | Y/N | N | Y | N | N | N | Date/Time | Date/Time | Date/Time | Date/Time | Date/Time |
|------------|-----------------|------------|-------|--------|-----|---|---|---|---|----|-----------|-----------|-----------|-----------|-----------|
| | | DATE | TIME | | | | | | | | | | | | |
| 001 | MW-2S | 4-29 | 3:23 | CW | | | X | X | X | | | | | | |
| 002 | MW-2M | 4-29 | 3:37 | CW | | | X | X | X | | | | | | |
| 003 | MW-5S | 4-29 | 4:23 | CW | | X | X | X | X | | | | | | |
| 004 | MW-14S | 4-29 | 1:58 | CW | | X | X | X | X | | | | | | |
| 005 | MW-16S | 4-30 | 11:13 | CW | | X | X | X | X | | | | | | |
| 006 | MW-16M | 4-30 | 11:42 | CW | | X | X | X | X | | | | | | |
| 007 | MW-17S | 4-30 | 10:21 | CW | | X | X | X | X | | | | | | |
| 008 | MW-17M | 4-30 | 10:34 | CW | | | X | X | X | | | | | | |
| 009 | PZ-1 | 4-29 | 2:52 | CW | | | X | X | X | | | | | | |
| 010 | PZ-2 | 4-29 | 7:36 | CW | | | X | X | X | | | | | | |
| 011 | PW-1 | 4-29 | 4:50 | DW | | X | | | X | *X | | | | | |
| 012 | Pup #3 | 4-30 | | CW | | | X | | | | | | | | |
| 013 | Pup #4 | 4-30 | | CW | | X | X | X | X | | | | | | |

Metals: As, Ba, Cd, Co, Fe, Pb, Mn, V, Hg

*Update per Steve Osesek.
5/6/21 CDH

| | | | | | |
|--|---|--------------------------------|---------------------------------|--------------------------------|---|
| Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: | Relinquished By: <i>Steven Osesek</i> | Date/Time: <i>5-20-21 4:05</i> | Received By: | Date/Time: | PACE Project No. <i>40226352</i> |
| | Transmit Prelim Rush Results by (complete what you want): <i>Fedex</i> | Date/Time: <i>5/18/21 0945</i> | Received By: <i>[Signature]</i> | Date/Time: <i>5/18/21 0945</i> | |
| Email #1: | Relinquished By: | Date/Time: | Received By: | Date/Time: | Receipt Temp = <i>1.5</i> °C |
| Email #2: | Relinquished By: | Date/Time: | Received By: | Date/Time: | Sample Receipt pH <i>(OK) / adjusted</i> |
| Telephone: | Relinquished By: | Date/Time: | Received By: | Date/Time: | Cooler Custody Seal <i>Present / Not Present</i> |
| Fax: | Relinquished By: | Date/Time: | Received By: | Date/Time: | Intact / Not Intact |

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

Sample Preservation Receipt Form

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

Client Name: The Os Group

Project # 40226352

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper: 10D3601 Lab Std #ID of preservation (if pH adjusted):


Initial when completed: [Signature] Date/Time:

| Pace Lab # | Glass | | | | | | | Plastic | | | | | Vials | | | | | Jars | | | | General | | | VOA Vials (>6mm) * | H2SO4 pH ≤2 | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤2 | pH after adjusted | Volume (mL) | | | | | |
|------------|-------|------|------|------|------|------|------|---------|------|------|------|------|-------|------|------|------|------|------|------|------|------|---------|------|------|--------------------|-------------|-------------------|-------------|------------|-------------------|-------------|------|----|---|--------------|--------------|
| | AG1U | BG1U | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U | BP1U | BP3U | BP3B | BP3N | BP3S | VG9A | DG9T | VG9U | VG9H | VG9M | VG9D | JGFU | JG9U | WGFU | WPFU | SP5T | | | | | | | | ZPLC | GN | | | |
| 001 | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 |
| 002 | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 003 | | | | ✓ | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 004 | | | | ✓ | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 005 | | | | ✓ | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 006 | | | | ✓ | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 007 | | | | ✓ | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 008 | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 009 | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 010 | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 011 | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 | |
| 012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 2.5 / 5 / 10 |
| 013 | | | | ✓ | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | X | | 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 | VG9A 40 mL clear ascorbic | JGFU 4 oz amber jar unpres |
| BG1U 1 liter clear glass | BP3U 250 mL plastic unpres | DG9T 40 mL amber Na Thio | JG9U 9 oz amber jar unpres |
| AG1H 1 liter amber glass HCL | BP3B 250 mL plastic NaOH | VG9U 40 mL clear vial unpres | WGFU 4 oz clear jar unpres |
| AG4S 125 mL amber glass H2SO4 | BP3N 250 mL plastic HNO3 | VG9H 40 mL clear vial HCL | WPFU 4 oz plastic jar unpres |
| AG4U 120 mL amber glass unpres | BP3S 250 mL plastic H2SO4 | VG9M 40 mL clear vial MeOH | SP5T 120 mL plastic Na Thiosulfate |
| AG5U 100 mL amber glass unpres | | VG9D 40 mL clear vial DI | ZPLC ziploc bag |
| AG2S 500 mL amber glass H2SO4 | | | GN |
| BG3U 250 mL clear glass unpres | | | |

5/5/21
[Signature]

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: The Os Group

Project #:

WO# : 40226352



Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: 7867 2009 0861

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 - 90 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2 ICorr: 1.5

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 if shipped on Dry Ice.

| | |
|---------------------------------|---------------------|
| Person examining contents: | |
| Date: <u>5/5/21</u> | Initials: <u>LP</u> |
| Labeled By Initials: <u>SRK</u> | |

| | | |
|--|--|---|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 2. <u>pr # , pg #</u> |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. <u>5/5/21 LP</u> |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 5. |
| - VOA Samples frozen upon receipt | <input type="checkbox"/> Yes <input type="checkbox"/> No | Date/Time: |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. |
| Sufficient Volume: | | 8. |
| For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| -Pace IR Containers Used: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. |
| Filtered volume received for Dissolved tests | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: <u>W</u> | | <u>004 BP3U ID: "PZ-1" lab placed by time</u> |
| Trip Blank Present: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 13. |
| Trip Blank Custody Seals Present | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | <u>5/5/21 LP</u> |
| Pace Trip Blank Lot # (if purchased): | | |

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: Steve Osesek Date/Time: 5/6/21

Comments/ Resolution: _____

Sample placement of MW14S "BP3U" confirmed by sample time with client. Metals scheduled instead of TOC for PZ-1. 5/6/21 CDH

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