From: Dombrowski, Frank J <frank.dombrowski@wecenergygroup.com>
Sent: Friday, October 13, 2023 12:56 PM
To: 'Werner, Leah'
Cc: Krueger, Sarah E - DNR; DNR RR NER; 'Korpela, Adrienne/MKE'; 'staci.goetz@ramboll.com'; Lauridsen, Keld B - DNR; Luke, Glenn R
Subject: WPSC Former Green Bay Former MGP - Sept. 2023 Monthly Progress Report (CERCLA Docket No. V-W-06-C-847)
Attachments: 2023-10-13 WPSC-USEPA September WPSC Green Bay Monthly Progress Report FINAL.pdf

Hi Leah,

Please find attached the September 2023 monthly progress report for the WPSC Green Bay, WI Former MGP Site.

As always, please feel free to contact us if you have any questions.

Thanks,

Frank Dombrowski
Principal Environmental Consultant

WEC Energy Group – Business Services
Environmental Dept. - Land Quality Group
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Serving WEC Energy Group, We Energies, Wisconsin Public Service, Michigan Gas Utilities, Minnesota Energy Resources, Peoples Gas and North Shore Gas

Wisconsin Public Service Corporation
P.O. Box 19001
Green Bay, WI 54307-9001
www.wisconsinpublicservice.com

October 13, 2023

Ms. Leah Werner
Remedial Project Manager
United States Environmental Protection Agency
77 W. Jackson Boulevard
Chicago, Illinois 60604-3590

RE: September 2023 Monthly Progress Report
Green Bay Former Manufactured Gas Plant
Green Bay, Wisconsin
Wisconsin Public Service Corporation
CERCLA Docket No. V-W-06-C-847, CERCLIS ID – WIN000509948

Dear Ms. Werner:

Wisconsin Public Service Corporation (WPSC) is providing this monthly progress report for the WPSC Former Green Bay Manufactured Gas Plant (MGP) Site.

1) PROGRESS MADE DURING THE PAST MONTH

- Prepared and submitted August 2023 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by September 15, 2023.
- Continued monitoring well development activities under *SSWP Addendum 1, Rev 1* in the south parking lot.
- Received USEPA comments September 12, 2023 on the *Removal Action Summary Report – Operable Unit 2 Utility Court Cove Area,* submitted on August 4, 2023.
- Submitted *Removal Action Summary Report – Operable Unit 1 North Lot Area* on September 15, 2023.
- Submitted *Responses to Comments and Removal Action Summary Report – Operable Unit 2 Utility Court Cove Area – Revision 1* on September 22, 2023.

2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

- South lot investigation soil results.

3) PROJECTED WORK

WPSC Actions

- Submit monthly progress report to USEPA by the 15th of the month.
- Respond to comments on the *Sediment OU RI Report, Revision 1*.
- Initiate preparation of *Green Bay Upland OU1 RI Report, Revision 0*.

USEPA Actions

- Review and comment on *Removal Action Summary Report – Operable Unit 2 Utility Court Cove Area- Revision 1*, dated September 22, 2023.
- Review and comment on *Green Bay OU2 Sediment Stability Monitoring,* dated June 27, 2023.
- Review and comment on *Removal Action Summary Report – Operable Unit 1 North Lot Area*, dated September 15, 2023.

4) PROBLEMS OR POTENTIAL PROBLEMS ENCOUNTERED

- Routine groundwater sampling and south lot investigation groundwater sampling are scheduled for October. Monitoring well MW411AR will not be sampled because it will not be fully developed in time.

5) ACTUAL OR PLANNED RESOLUTION OF PROBLEMS OR POTENTIAL PROBLEMS

- Routine semi-annual groundwater sampling will be combined with the SSWP sampling event, to be scheduled for mid- to late- October. Monitoring well development of MW411AR will continue.

If you have any questions, please don't hesitate to contact me at (414) 221-2156 or via email at frank.dombrowski@wecenergygroup.com.

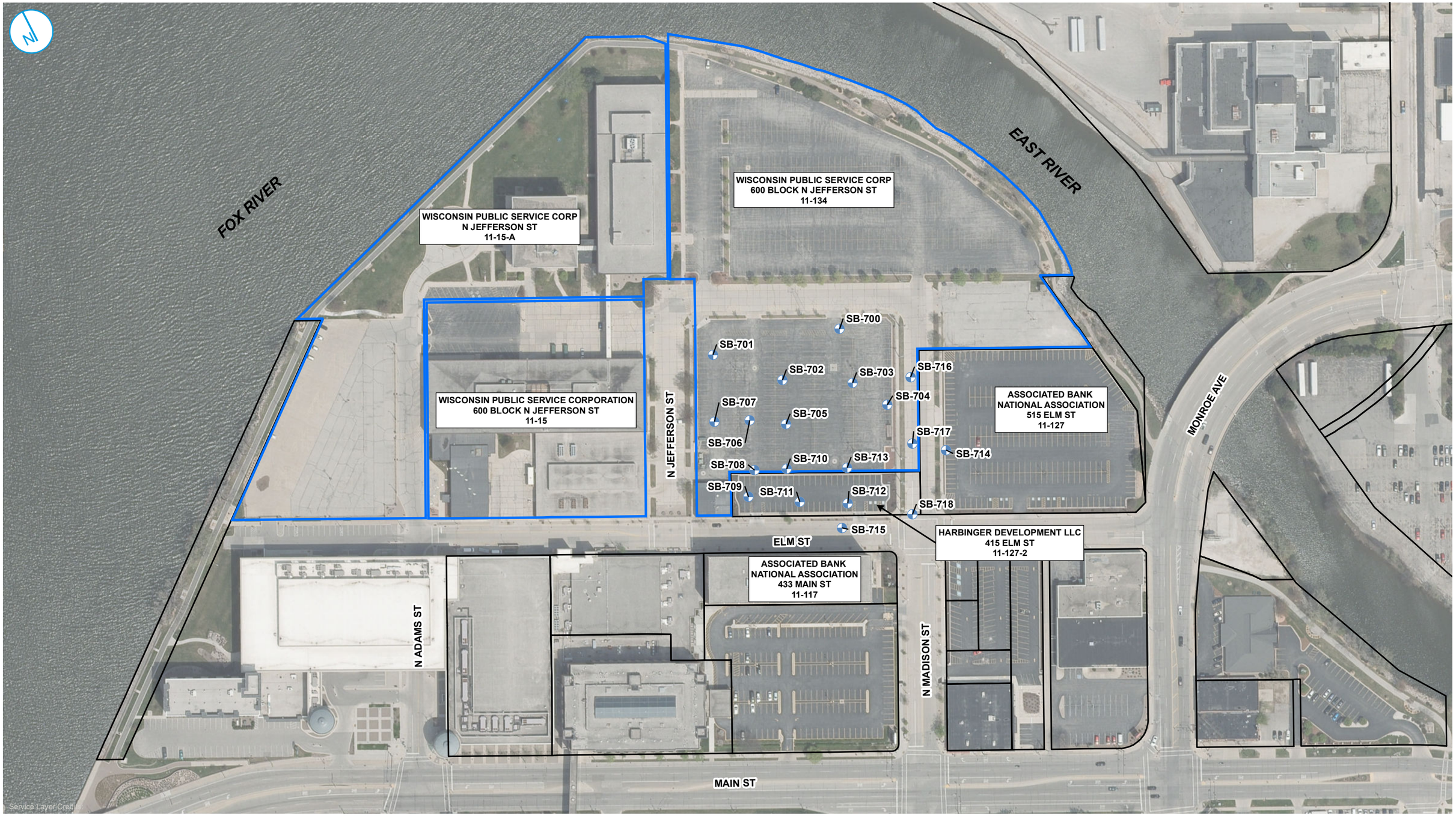
Sincerely,

Frank Dombrowski
Principal Environmental Consultant
WEC Business Services – Environmental Dept.

Enclosures:
Figure 1. Soil Boring Locations
Table 1. September 2023 Monthly Progress Report - Soil Sample Results Summary
Laboratory Reports- 40265529, 40265613, 40265654, 40265723, 40265795
Green Bay MGP September 2023 MPR SharePoint Link

For distribution to:
Ms. Sarah Krueger, WDNR (via US Mail and email)
WDNR Northeast Region (via email to DNRRRNER@wisconsin.gov)
Ms. Adrienne Korpela, Jacobs (via email)
Mr. Dave Klatt, Jacobs (via email)
Dr. Staci Goetz, Ramboll (via email)

FIGURES



SOIL BORING LOCATION
WPS PROPERTY
PROPERTY BOUNDARY

0 75 150 Feet

SOIL BORING LOCATIONS

FIGURE 01

FORMER GREEN BAY MANUFACTURED GAS PLANT
WISCONSIN PUBLIC SERVICE CORPORATION
GREEN BAY, WISCONSIN

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

RAMBOLL

TABLES

Table 1. September 2023 Monthly Progress Report - Soil Sample Results Summary

Monthly Progress Report
Wisconsin Public Service Corporation
Green Bay Former Manufactured Gas Plant Site
700 N Adams St, Green Bay, Wisconsin
BRRTS#: 02-05-000254 USEPA#: WIN000509948

				PVOC	PVOC	PVOC	PVOC	PVOC	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
9-digit Code	Sample Location	Sample Depth (feet-BGS)	Sample Date	1,2,4-Trimethylbenzene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
			Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag
			WI Industrial Soil SLs:	**219**	**5.1**	**25**	**818**	**260**	**73**	**3,000**	**45,000**	**45,000**	**100,000**	**21**	**2.1**	**21**	**23,000**	**210**	**2,100**	**2.1**
			WI Residential Soil SLs:	219	1.2	5.8	818	260	18	240	3,600	3,600	18,000	1.1	0.11	1.1	1,800	11	110	0.11
072423021	SB-700	1-3	07/24/2023	0.0205 U	0.135	0.0210 J	0.0486 J	0.0497 U	0.160 J	0.276 J	0.0516 U	0.708	0.327 J	1.360	1.330	3.060 J	1.640	1.360 J	1.760	0.521
072423022	SB-700	5-7	07/24/2023	0.0205 U	0.0164 U	0.0164 U	0.0173 U	0.0496 U	0.0029 U	0.0029 U	0.0087 J	0.0025 U	0.0025 U	0.0026 U	0.0023 U	0.0028 U	0.0035 U	0.0025 U	0.0037 U	0.0027 U
072423023	SB-700	8-10	07/24/2023	0.0367 U	0.0293 U	0.0293 U	0.0310 U	0.0889 U	0.0042 U	0.0042 U	0.0038 U	0.0036 U	0.0036 U	0.0037 U	0.0033 U	0.0040 U	0.0051 U	0.0037 U	0.0055 U	0.0040 U
072423005	SB-701	1-3	07/24/2023	0.0167 U	0.0133 U	0.0133 U	0.0141 U	0.0404 U	0.0026 U	0.0044 J	0.0045 J	0.0285	0.0206	0.101	0.154	0.237 J	0.128	0.0916 J	0.174	0.0292
072423006	SB-701	6-8	07/24/2023	0.0242 U	0.0193 U	0.0193 U	0.0204 U	0.0585 U	0.0065 J	0.0080 J	0.0546	0.0028 U	0.0103 J	0.0028 U	0.0025 U	0.0030 U	0.0038 U	0.0028 U	0.0041 U	0.0030 U
072423007/072423008 (N)	SB-701	8-10	07/24/2023	0.0274 U	0.0219 U	0.0219 U	0.0232 U	0.0665 U	0.0384	0.0065 J	0.0121 J	0.0030 U	0.0041 J	0.0061 J	0.0036 J	0.0061 J	0.0042 U	0.0030 U	0.0064 J	0.0033 U
072423018	SB-702	1-3	07/24/2023	0.0202 U	0.0207 J	0.0161 U	0.0170 U	0.0488 U	0.0060 J	0.0058 J	0.0068 J	0.0025 U	0.0092 J	0.0043 J	0.0022 U	0.0027 U	0.0034 U	0.0025 U	0.0044 J	0.0027 U
072423019	SB-702	18-20	07/24/2023	1.200	1.470	0.351 J	1.330	2.190	0.591	0.845	0.0542 U	0.232 J	0.127 J	0.221 J	0.172 J	0.174 J	0.0992 J	0.0754 J	0.212 J	0.0578 U
072423020	SB-702	21-23	07/24/2023	0.102	**31.700**	0.0812	10.500	0.842	0.0255	0.0281	0.0033 J	0.0043 J	0.0049 J	0.0065 J	0.0048 J	0.0069 J	0.0058 J	0.0032 J	0.0079 J	0.0030 U
072523032	SB-703	1-3	07/25/2023	0.167	1.080	0.108	1.360	1.050	0.944	1.400	0.183 J	1.630	1.090	6.870	7.240	11.400 J	6.100	4.380 J	6.790	1.790
072523033	SB-703	5-7	07/25/2023	0.0197 U	0.0339 J	0.0157 U	0.0271 J	0.0476 U	0.0113 J	0.0155 J	0.0538	0.0445	0.0179 J	0.0902	0.0951	0.152 J	0.0839	0.0533 J	0.0962	0.0277
072523034	SB-703	7-9	07/25/2023	0.0187 U	0.0150 U	0.0150 U	0.0158 U	0.0454 U	0.0057 J	0.0028 U	0.0804	0.0791	0.0027 J	0.0032 J	0.0021 U	0.0030 J	0.0033 U	0.0024 U	0.0036 U	0.0026 U
072523038	SB-704B	1-3	07/25/2023	0.0392 J	0.103	0.0728	0.0853	0.120 J	0.170 J	0.253	0.0589 J	0.520	0.381	1.970	**2.330**	3.320 J	1.980	1.220 J	1.960	0.577
072523039	SB-704B	7-9	07/25/2023	4.270	3.820	3.130	1.040 J	10.800	16.600	25.900	0.650 J	4.350	3.260	2.250	1.880 J	1.700 J	0.807 J	0.694 J	2.420	0.273 U
072523040	SB-704B	15-17	07/25/2023	1.900	**8.160**	1.230	10.100	8.510	0.434	0.657	0.0272 U	0.187 J	0.0623 J	0.0405 J	0.0248 J	0.0291 U	0.0368 U	0.0268 U	0.0430 J	0.0290 U
072423024	SB-705	1-3	07/24/2023	0.0210 U	0.0304	0.0168 U	0.0178 U	0.0509 U	0.0073 J	0.0097 J	0.0026 U	0.0025 U	0.0103 J	0.0096 J	0.0053 J	0.0106 J	0.0047 J	0.0038 J	0.0162 J	0.0028 U
072423025/072423026 (N)	SB-705	5-7	07/24/2023	0.0212 U	0.195	0.0169 U	0.0217 J	0.0513 U	0.548	0.601	0.0026 U	0.0923 J	0.0783 J	0.158 J	0.109 J	0.216 J	0.0917 J	0.0838 J	0.199 J	0.0028 U
072423027	SB-705	8-10	07/24/2023	3.850 J	**10.700**	3.110 J	1.420 U	9.050 J	1.690	2.510	0.105 J	0.210 J	0.324 J	0.104 U	0.0913 U	0.112 U	0.141 U	0.103 U	0.152 U	0.111 U
072423015	SB-706	1-3	07/24/2023	0.0202 U	0.247 J	0.0170 J	0.0677 J	0.0488 U	0.0402	0.0868	0.0262	0.0025 J	0.0359	0.0202	0.0137 J	0.0202 J	0.0119 J	0.0081 J	0.0270	0.0027 U
072423016	SB-706	7-9	07/24/2023	2.780	**16.900**	4.040	3.470	8.650	0.345	0.266	0.145	0.107	0.160	0.106	0.0860 J	0.0850 J	0.0436 J	0.0318 J	0.113	0.0134 U
072423017	SB-706	10-12	07/24/2023	1.020	**7.190**	0.852	3.560	3.180	2.590	3.750	0.257 J	0.586 J	0.943	0.408 J	0.367 J	0.312 J	0.186 J	0.146 J	0.427 J	0.111 U
072423009	SB-707	1-3	07/24/2023	0.0185 U	0.0159 J	0.0148 U	0.0391 J	0.0448 U	0.126	0.165	0.0450 J	0.0894 J	0.105	0.465	0.653	0.838 J	0.569	0.305 J	0.518	0.159
072423010	SB-707	12-14	07/24/2023	1.180	1.040	0.941	1.360	2.140 J	18.800	25.500	3.930 J	9.900	9.800	5.850	**3.220** J	2.560 J	0.882 J	1.130 J	6.070	0.560 U
072423011	SB-707	15-17	07/24/2023	0.0221 U	0.0176 U	0.0176 U	0.0187 U	0.0534 U	0.0048 J	0.0056 J	0.0378	0.0045 J	0.0091 J	0.0056 J	0.0026 J	0.0034 J	0.0036 U	0.0026 U	0.0071 J	0.0029 U
072423012	SB-708	1-3	07/24/2023	0.0173 U	0.0143 J	0.0138 U	0.0146 U	0.0418 U	0.0681	0.114	0.0249	0.117	0.110	0.390	0.428	0.551 J	0.342	0.198 J	0.384	0.0885
072423013	SB-708	5-7	07/24/2023	0.0197 U	0.0569	0.0157 U	0.0167 U	0.0478 U	0.0057 U	0.0057 U	0.0050 U	0.0049 U	0.0057 J	0.0191 J	0.0179 J	0.0256 J	0.0177 J	0.0117 J	0.0250 J	0.0054 U
072423014	SB-708	7-9	07/24/2023	4.340	0.231	0.795	0.0582 J	2.900	0.0911	0.0043 J	0.0106 J	0.0226	0.0173 J	0.0101 J	0.0055 J	0.0077 J	0.0039 J	0.0035 J	0.0108 J	0.0027 U
072623053	SB-709	1-3	07/26/2023	0.0161 U	0.0128 U	0.0128 U	0.0136 U	0.0390 U	0.0052 J	0.0075 J	0.0051 J	0.0257	0.0219	0.0792	0.106	0.148 J	0.0812	0.0489 J	0.103	0.0255
072623054	SB-709	6-8	07/26/2023	0.0198 U	0.0158 U	0.0158 U	0.0167 U	0.0480 U	0.0537	0.0597	0.0979	0.0849	0.0916	0.0814	0.0722	0.0649 J	0.0334	0.0267 J	0.0824	0.0075 J
072623055	SB-709	8-10	07/26/2023	1.240 J	1.760	1.520	1.170 J	2.560 J	4.840	6.180	0.937 J	1.730 J	1.780 J	1.610 J	1.210 J	1.110 J	0.511 J	0.591 J	1.660 J	0.261 U
072423028	SB-710	1-3	07/24/2023	0.0175 U	0.0574	0.0140 U	0.0148 U	0.0425 U	0.0853	0.0886	0.0145 J	0.0112 J	0.0566	0.104	0.0963	0.168 J	0.0949	0.0588 J	0.134	0.0277
072423029	SB-710	7-9	07/24/2023	0.0201 U	0.133	0.0161 U	0.0499 J	0.0487 U	0.119	0.146	0.0235 J	0.0124 U	0.253	0.770	1.040	1.190 J	0.928	0.472 J	0.760	0.230
072423030	SB-710	10-12	07/24/2023	2.110	**8.420**	0.756	1.820	6.350	0.540	0.965	0.0650 U	0.0632 U	0.0622 U	0.0648 U	0.0570 U	0.0696 U	0.0880 U	0.0641 U	0.0945 U	0.0694 U
072623048	SB-711	1-3	07/26/2023	0.0492 J	0.290	0.0391 J	0.282	0.182 J	1.130 J	2.550 J	0.571 U	11.100	4.000 J	15.000	**31.000**	**32.400** J	19.700	13.600 J	16.000	**6.460**
072623049/072623050 (N)	SB-711	6-8	07/26/2023	23.300	**8.550**	**48.800** J	10.800 J	51.500	51.900	87.500	16.700 J	31.300 J	33.100 J	**22.800** J	**17.700** J	**22.000** J	8.340 J	8.670 J	24.000 J	2.850 U
072623051	SB-711	8-10	07/26/2023	0.783	1.690	3.230	0.255 J	2.320	0.362	0.0330 J	0.134 J	0.152 J	0.0192 U	0.0200 U	0.0176 U	0.0215 U	0.0272 U	0.0198 U	0.0292 U	0.0215 U
072623052	SB-711	15-17	07/26/2023	1.670	2.750	1.220	3.930	6.650	0.732 J	1.070	0.155 J	0.201 J	0.205 J	0.128 U	0.113 U	0.138 U	0.174 U	0.127 U	0.187 U	0.137 U
072623045	SB-712	1-3	07/26/2023	0.0206 U	0.0214 J	0.0164 U	0.0174 U	0.0498 U	0.0259	0.0393	0.0026 U	0.0025 U	0.0748	0.121	0.120	0.221 J	0.127	0.0675 J	0.192	0.0329
072623046	SB-712	10-12	07/26/2023	33.300	**28.400**	**30.400**	35.200	76.000	18.300	26.200	1.960 J	1.070 J	2.890 J	1.660 J	0.877 U	1.070 U	1.350 U	0.987 U	1.470 J	1.070 U
072623047	SB-712	13-15	07/26/2023	11.700	**8.410**	4.200 J	8.270	24.900	23.500	33.400	1.330 U	1.300 U	2.220 J	1.330 U	1.170 U	1.430 U	1.800 U	1.310 U	1.940 U	1.420 U
072523035	SB-713	1-3	07/25/2023	0.0186 U	0.0148 U	0.0148 U	0.0157 U	0.0450 U	0.0425	0.0637	0.0289	0.0053 J	0.0357	0.0654	0.0731	0.125 J	0.0987	0.0375 J	0.0893	0.0279
072523036	SB-713	7-9	07/25/2023	18.800	**22.000**	20.800	10.800	53.600	**109.000**	155.000	33.000	28.400	27.900	19.200 J	**13.300** J	12.200 J	5.310 J	5.370 J	20.600	2.780 U
072523037	SB-713	15-17	07/25/2023	0.0614 J	**13.500**	0.148	6.160	1.460	0.364	0.469	0.0697 J	0.0828 J	0.0674 J	0.0532 J	0.0292 J	0.0281 U	0.0355 U	0.0259 U	0.0553 J	0.0280 U
072623056	SB-714	1-3	07/26/2023	0.0217 U	0.0830	0.0173 U	0.0184 U	0.0526 U	0.157 J	0.214	0.0266 U	0.198 J	0.206	1.030	1.180	1.590 J	0.753	0.534 J	1.100	0.248
072623057	SB-714	3-5	07/26/2023	0.0203 U	0.0383	0.0162 U	0.0172 U	0.0491 U	0.0158 J	0.0225	0.0043 J	0.0107 J	0.0123 J	0.0483	0.0600	0.0835 J	0.0473	0.0272 J	0.0607	0.0138 J
072623058	SB-714	5-7	07/26/2023	0.0195 U	0.0156 U	0.0156 U	0.0165 U	0.0472 U	0.0028 U	0.0028 U	0.0025 U	0.0024 U	0.0024 U	0.0025 U	0.0022 U	0.0027 U	0.0036 J	0.0025 U	0.0036 U	0.0027 U
072723060	SB-715	1-3	07/27/2023	0.0165 U	0.0132 U	0.0132 U	0.0140 U	0.0400 U	0.0026 U	0.0026 U	0.0023 U	0.0022 U	0.0022 U	0.0023 U	0.0020 U	0.0024 U	0.0031 U	0.0023 U	0.0078 J	0.0024 U
072723061	SB-715	5-7	07/27/2023	59.200	**15.700**	**60.200**	2.580 U	44.300	39.600	28.300	13.900	2.640 J	7.970 J	6.350 J	**5.790** J	6.070 J	3.630 J	2.670 J	8.030 J	1.220 U
072723062	SB-715	8-10	07/27/2023	3.390	3.050	5.950	2.700	6.230	6.560	6.810	0.556 J	1.450 J	1.510 J	0.809 J	0.630 J	0.668 J	0.347 U	0.316 J	0.981 J	0.274 U
072523041	SB-716	1-3	07/25/2023	4.470	0.666 U	2.650 J	0.705 U	2.020 U	44.100	18.000	19.800	1.490 J	5.370	4.400	**3.520** J	3.800 J	2.190 J	1.510 J	4.840	0.585 J

Table 1. September 2023 Monthly Progress Report - Soil Sample Results Summary

Monthly Progress Report
Wisconsin Public Service Corporation
Green Bay Former Manufactured Gas Plant Site
700 N Adams St, Green Bay, Wisconsin
BRRTS#: 02-05-000254 USEPA#: WIN000509948

9-digit Code	Sample Location	Sample Depth (feet-BGS)	Sample Date	PVOC 1,2,4-Trimethylbenzene	PVOC Benzene	PVOC Ethylbenzene	PVOC Toluene	PVOC Xylenes, Total	PAH 1-Methylnaphthalene	PAH 2-Methylnaphthalene	PAH Acenaphthene	PAH Acenaphthylene	PAH Anthracene	PAH Benzo(a)anthracene	PAH Benzo(a)pyrene	PAH Benzo(b)fluoranthene	PAH Benzo(g,h,i)perylene	PAH Benzo(k)fluoranthene	PAH Chrysene	PAH Dibenz(a,h)anthracene
Reporting Units:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag
WI Industrial Soil SLs:				**219**	**5.1**	**25**	**818**	**260**	**73**	**3,000**	**45,000**	**45,000**	**100,000**	**21**	**2.1**	**21**	**23,000**	**210**	**2,100**	**2.1**
WI Residential Soil SLs:				219	1.2	5.8	818	260	18	240	3,600	3,600	18,000	1.1	0.11	1.1	1,800	11	110	0.11
072523042	SB-716	3-5	07/25/2023	0.0864 J	0.0247 U	0.0412 J	0.0262 U	0.0750 U	4.420	2.860	2.550	0.259 U	0.592 J	0.350 J	0.233 U	0.285 U	0.360 U	0.263 U	0.387 U	0.284 U
072523043	SB-716	5-7	07/25/2023	0.0234 U	0.0187 U	0.0187 U	0.0198 U	0.0568 U	0.0129 J	0.0067 J	0.164	0.0408	0.0094 J	0.0028 U	0.0024 U	0.0030 U	0.0038 U	0.0027 U	0.0040 U	0.0030 U
072123001	SB-717	1-3	07/21/2023	3.640	1.070	0.859	0.0974 U	1.350	0.364 J	0.379 J	0.108 J	0.0681 J	0.158 J	0.451	0.597	0.702 J	0.492	0.247 J	0.503	0.124 J
072123002	SB-717	7-9	07/21/2023	16.600	**8.500**	8.950	0.676 U	19.200	0.897	1.490	0.325 J	0.172 J	0.330 J	0.220 J	0.185 J	0.173 J	0.137 J	0.0889 J	0.266 J	0.0676 U
072123003	SB-717	17-19	07/21/2023	0.0222 U	0.0178 U	0.0178 U	0.0188 U	0.0539 U	7.980	13.900	0.676 U	0.657 U	0.647 U	0.673 U	0.592 U	0.723 U	0.914 U	0.666 U	0.983 U	0.721 U
072723063	SB-718	1-3	07/27/2023	0.0161 U	0.0129 U	0.0129 U	0.0136 U	0.0390 U	0.0043 J	0.0052 J	0.0023 U	0.0022 U	0.0022 U	0.0025 J	0.0021 J	0.0027 J	0.0030 U	0.0022 U	0.0033 U	0.0024 U
072723064	SB-718	3-5	07/27/2023	0.0175 U	0.0140 U	0.0140 U	0.0148 U	0.0423 U	0.0719 J	0.0758 J	0.132 J	0.112 J	0.453	0.961	0.898	0.647 J	0.420	0.258 J	1.700	0.188
072723065	SB-718	5-7	07/27/2023	0.0196 U	0.0157 U	0.0157 U	0.0166 U	0.0475 U	0.0044 J	0.0028 U	0.0025 U	0.0024 U	0.0024 U	0.0028 J	0.0022 U	0.0027 U	0.0041 J	0.0025 U	0.0036 U	0.0027 U
Total Number of Samples Analyzed:				58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
Number of Detections:				27	39	29	27	25	52	51	41	40	50	46	41	40	37	26	44	19
Min:				0.0614	0.0128	0.0148	0.0217	0.842	0.00402	0.0052	0.0033	0.0025	0.0027	0.0028	0.0021	0.0034	0.0036	0.0032	0.0044	0.0075
Max:				59.2	31.7	60.2	35.2	76	109	155	33	31.3	33.1	22.8	31	32.4	19.7	13.6	24	6.46
WI Industrial Soil SLs:				219	5.1	25	808	260	73	3000	45000	45000	100000	21	2.1	21	23000	210	2100	2.1
Number of Samples that Exceed WI Industrial Soil SL:				0	13	3	0	0	1	0	0	0	0	1	7	2	0	0	0	1
WI Residential Soil SLs:				219	1.2	5.8	818	260	18	240	3600	3600	18000	1.1	0.11	1.1	1800	11	110	0.11
Number of Samples that Exceed WI Residential Soil SL:				0	19	6	0	0	7	0	0	0	0	12	23	13	0	1	0	10

Table 1. July 2023 Soil Sample Results Summary

July 2023 Monthly Progress Report
Wisconsin Public Service Corporation
Green Bay Former Manufactured Gas Plant Site
700 N Adams St, Green Bay, Wisconsin
BRRTS#: 02-05-000254 USEPA#: WIN000509948

9-digit Code	Sample Location	Sample Depth (feet-BGS)	Sample Date	PAH Fluoranthene		PAH Fluorene		PAH Indeno(1,2,3-cd)pyrene		PAH Naphthalene		PAH Phenanthrene		PAH Pyrene		Metal Arsenic, Total		Metal Barium, Total		Metal Cadmium, Total		Metal Chromium, Total		Metal Lead, Total		Metal Mercury, Total		Metal Selenium, Total		Metal Silver, Total		Cyanide Cyanide, Total	
			Reporting Units:	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
				Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
			WI Industrial Soil SLs:	**30,000**		**30,000**		**21**		**8.6**		**100,000**		**23,000**		**8**		**100,000**		**100**		**100,000**		**800**		**350**		**5,800**		**5,800**		**1,200**	
			WI Residential Soil SLs:	2,400		2,400		1.1		2		18,000		1,800		8		15,000		7.1		100,000		400		23		390		390		78	
072423021	SB-700	1-3	07/24/2023	1.680		0.0726	J	1.520		0.854		0.787		1.690		**18.0**		114		0.11	U	31.9		398		1.7		1.6		0.36	J	6.9	
072423022	SB-700	5-7	07/24/2023	0.0023	U	0.0024	U	0.0041	U	0.0019	U	0.0023	U	0.0029	U	1.9		5.4		0.11	U	4.2		1.0		0.011	U	0.40	J	0.11	U	0.24	U
072423023	SB-700	8-10	07/24/2023	0.0036	J	0.0035	U	0.0060	U	0.0311		0.0033	U	0.0043	U	5.8		86.2		0.22	J	43.7		9.3		0.034	J	3.8		0.15	U	1.6	
072423005	SB-701	1-3	07/24/2023	0.349		0.0077	J	0.0984		0.0071	J	0.156		0.275		2.4		8.7		0.095	U	14.1		10		0.0097	U	1.3		0.093	U	0.28	U
072423006	SB-701	6-8	07/24/2023	0.0026	U	0.0454		0.0046	U	0.0166	J	0.0077	J	0.0032	U	0.74	J	11.1		0.12	U	6.5		1.1		0.012	U	0.68	J	0.12	U	0.30	U
072423007/072423008 (N)	SB-701	8-10	07/24/2023	0.0133	J	0.0058	J	0.0049	U	0.0283		0.0129	J	0.0102	J	2.5		71.5		0.17	J	25.0		5.7		0.025	J	2.6		0.13	U	0.41	U
072423018	SB-702	1-3	07/24/2023	0.0107	J	0.0049	J	0.0041	U	0.0235		0.0296		0.0117	J	2.7		37.9		0.11	U	13.0		20.9		0.011	U	1.2		0.11	U	0.81	J
072423019	SB-702	18-20	07/24/2023	0.290	J	0.166	J	0.0870	U	7.110		0.503		0.324	J	4.5		63.4		0.13	J	20.3		90.1		0.044		2.2		0.12	U	4.4	
072423020	SB-702	21-23	07/24/2023	0.0109	J	0.0069	J	0.0045	U	0.118		0.0260		0.0105	J	4.4		101		0.12	U	36.6		7.6		0.012	U	2.4		0.11	U	0.33	U
072523032	SB-703	1-3	07/25/2023	10.100		0.219	J	5.380		4.760		3.200		9.220		**16.2**	J	311	J	0.11	U	193	J	166	J	0.086		1.5		0.11	U	4.7	
072523033	SB-703	5-7	07/25/2023	0.144		0.0117	J	0.0736		0.0553		0.0578		0.137		1.1		18.0	J	0.11	U	13.8	J	2.0		0.012	U	0.35	J	0.11	U	0.43	J
072523034	SB-703	7-9	07/25/2023	0.0046	J	0.0023	U	0.0039	U	0.0109	J	0.0052	J	0.0051	J	1.6		32.1		0.10	U	16.1		3.1		0.014	J	0.45	J	0.099	U	0.43	J
072523038	SB-704B	1-3	07/25/2023	2.920		0.102	J	1.700		0.750		1.100		2.740		**8.9**		73.1		0.59	J	26.1		240		0.86		1.2		0.11	U	0.35	U
072523039	SB-704B	7-9	07/25/2023	4.330		3.830		0.634	J	**82.600**		11.100		5.130		2.8		59.7		0.11	U	25.6		5.6		0.016	J	0.83		0.11	U	0.32	J
072523040	SB-704B	15-17	07/25/2023	0.0702	J	0.0563	J	0.0437	U	4.300		0.153	J	0.0829	J	3.2		95.8		0.12	U	35.9		7.2		0.011	J	1.1		0.12	U	0.38	U
072423024	SB-705	1-3	07/24/2023	0.0273		0.0024	U	0.0042	U	0.107		0.0657		0.0216		5.1		64.5		0.14	J	19.7		72.7		0.011	U	1.6		0.11	U	0.35	J
072423025/072423026 (N)	SB-705	5-7	07/24/2023	0.296	J	0.0029	J	0.0087	J	7.840	J	0.299	J	0.253	J	4.8		70.9		0.18	J	23.0		69.9		0.011	U	2.0		0.11	U	0.94	J
072423027	SB-705	8-10	07/24/2023	0.0951	U	0.442	J	0.168	U	**18.000**		1.170		0.118	U	3.5		72.7		0.11	U	30.2		6.9		0.011	J	2.8		0.11	U	0.31	U
072423015	SB-706	1-3	07/24/2023	0.0598		0.0355		0.0087	J	0.325		0.137		0.0514		3.9		55.1	J	0.15	J	17.9		65.3	J	0.012	U	1.6		0.11	U	0.72	J
072423016	SB-706	7-9	07/24/2023	0.273		0.218		0.0301	J	2.460		0.751		0.323		4.1		71.4		0.13	J	20.8		92.5		0.011	U	1.7		0.10	U	0.40	J
072423017	SB-706	10-12	07/24/2023	1.090		1.030		0.167	U	**15.800**		4.210		1.430		4.9		133		0.11	U	32.6		6.1		0.011	U	2.2		0.11	U	0.29	U
072423009	SB-707	1-3	07/24/2023	0.743		0.0334	J	0.455		0.265		0.382		0.737		2.9		16.5		0.097	U	10.0		8.9		0.15		1.0		0.095	U	0.49	J
072423010	SB-707	12-14	07/24/2023	12.200		12.700		0.844	U	**20.600**		48.100		17.400		5.0		140		0.11	U	38.6		6.7		0.013	J	2.6		0.11	U	0.31	U
072423011	SB-707	15-17	07/24/2023	0.0122	J	0.0170	J	0.0043	U	0.0085	J	0.0203	J	0.0155	J	4.0		94.8		0.11	U	36.6		7.5		0.015	J	2.2		0.11	U	0.34	U
072423012	SB-708	1-3	07/24/2023	0.531		0.0434		0.262		0.368		0.350		0.539		2.5		31.0		0.098	U	10.0		24.9		0.0098	U	0.77		0.096	U	0.26	U
072423013	SB-708	5-7	07/24/2023	0.0401		0.0046	U	0.0126	J	0.0402		0.0299	J	0.0319	J	3.5		54.0		0.11	J	17.8		41.3		0.011	U	1.2		0.11	U	0.60	J
072423014	SB-708	7-9	07/24/2023	0.0328		0.0471		0.0041	U	0.0696		0.0859		0.0295		2.2		52.2		0.11	U	30.5		4.9		0.011	U	1.5		0.11	U	0.33	U
072623053	SB-709	1-3	07/26/2023	0.209		0.0102	J	0.0640		0.0200		0.128		0.167		1.3		4.4		0.096	U	2.4		2.6		0.0096	U	0.18	U	0.094	U	1.6	U
072623054	SB-709	6-8	07/26/2023	0.188		0.111		0.0263		0.167		0.0686		0.192		1.6		69.2		0.10	U	22.5		4.0		0.011	U	0.94		0.10	U	1.7	U
072623055	SB-709	8-10	07/26/2023	3.200		2.630		0.394	U	**14.500**		8.150		3.560		1.5		39.8		0.10	U	16.8		3.2		0.011	U	0.52	J	0.10	U	1.6	U
072423028	SB-710	1-3	07/24/2023	0.190		0.0222		0.0727		0.597		0.274		0.165		2.4		37.9		0.10	U	11.4		30.4		0.011	U	0.96		0.10	U	0.26	U
072423029	SB-710	7-9	07/24/2023	0.987		0.0814	J	0.716		0.660		1.040		0.834		4.3		62.8		0.16	J	20.1		58.9		0.011	U	1.8		0.11	U	2.0	
072423030	SB-710	10-12	07/24/2023	0.0593	U	0.150	J	0.104	U	**9.400**		0.204	J	0.0737	U	3.4		136		0.11	U	32.3		7.1		0.011	U	3.4		0.11	U	0.32	U
072623048	SB-711	1-3	07/26/2023	20.600		1.410	J	17.200		**9.030**		7.610		19.400		4.1		95.0		0.21	J	23.5		63.9		1.6		1.1		0.11	U	8.8	
072623049/072623050 (N)	SB-711	6-8	07/26/2023	74.500		31.800	J	4.290	U	**423.000**	J	108.000	J	55.300		2.6	J	106	J	0.11	U	33.1	J	17.1	J	0.066		0.87		0.11	U	0.87	J
072623051	SB-711	8-10	07/26/2023	0.0184	U	0.132	J	0.0323	U	1.770		0.0473	J	0.0228	U	2.5		86.9		0.10	U	28.6		6.1		0.011	U	0.97		0.10	U	0.35	U
072623052	SB-711	15-17	07/26/2023	0.166	J	0.230	J	0.206	U	**14.400**		0.784	J	0.146	U	2.3		79.4		0.11	U	26.5		5.9		0.011	U	0.91		0.11	U	0.25	U
072623045	SB-712	1-3	07/26/2023	0.219		0.0058	J	0.0859		0.560		0.505		0.177		4.0		65.7	J	0.12	J	20.2		57.5	J	0.012	U	0.84		0.11	U	0.58	J
072623046	SB-712	10-12	07/26/2023	2.730	J	3.070	J	1.610	U	**91.200**		9.060		3.150	J	3.6		95.5		0.11	U	26.7		6.1		0.016	J	0.90		0.11	U	0.31	U
072623047	SB-712	13-15	07/26/2023	1.260	J	2.560	J	2.140	U	**124.000**		6.290	J	1.510	U	3.8		98.9		0.12	U	35.3		7.0		0.015	J	1.1		0.12	U	0.27	U
072523035	SB-713	1-3	07/25/2023	0.0979		0.0151	J	0.0696		0.167		0.177		0.0928		3.6		60.1		0.12	J	16.3		56.5		0.012	J	0.73		0.098	U	0.29	U
072523036	SB-713	7-9	07/25/2023	33.600		31.900		4.180	U	**359.000**		92.400		41.700		2.0		93.1		0.11	U	27.7		6.8		0.017	J	0.93		0.11	U	0.41	J
072523037	SB-713	15-17	07/25/2023	0.0822	J	0.0617	J	0.0422	U	5.040		0.194	J	0.103	J	3.4		120		0.11	U	37.1		7.0		0.019	J	1.1		0.11	U	0.68	J
072623056	SB-714	1-3	07/26/2023	1.910		0.0516	J	0.643		0.353		0.692		1.650		3.9		110		0.53	J	11.0		303		0.56		1.3		0.16	J	0.52	J
072623057	SB-714	3-5	07/26/2023	0.0896		0.0050	J	0.0363		0.0439		0.0509		0.0749		2.4		47.0		0.16	J	10.4		82.2		0.15		0.56	J	0.11	U	0.30	U
072623058	SB-714	5-7	07/26/2023	0.0023	U	0.0023	U	0.0040	U	0.0019	U	0.0022	U	0.0028	U	3.3		87.4		0.11	U	27.2		6.5		0.011	U	0.95		0.11	U	0.35	U
072723060	SB-715	1-3	07/27/2023	0.0021	U	0.0021	U	0.0037	U	0.0020	J	0.0089	J	0.0041	J	2.8		6.9		0.10	U	19.3		13.8		0.010	U	0.47	J	0.10	U	0.26	U
072723061	SB-715	5-7	07/27/2023	12.700		8.070	J	2.520	J	**131.000**		24.200		15.100		4.7		94.4		0.32	J	26.4		64.6		0.20		0.94		0.12	U	0.97	
072723062	SB-715	8-10	07/27/2023	1.730	J	1.350	J	0.412	U	**36.500**		3.850		1.970	J	2.8		83.2		0.11	U	26.7		5.9		0.012	J	0.84		0.11	U	0.34	U
072523041	SB-716	1-3	07/25/2023	7.600		9.480		1.510	J	**97.800**		21.400		8.210		5.8		91.8		0.62	J	24.4		130		0.27		1.5		0.11	U	0.51	J

Notes:
Analyte concentration exceeds the standard for:

Bold	**WI Industrial Soil SLs**
Underlined	WI Residential Soil SLs
Pink Highlighting	result exceeds one or more screening criteria
Yellow Highlighting	analyte exceedance in statistics for one or more samples

Lab comments, additional data qualifiers and definitions can be found in associated laboratory and validation reports.

Acronyms:
(N) = Normalized sample locations created from combining parent and field duplicate samples following EPA protocol
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
J = Estimated concentration
mg/kg = milligrams per kilogram
MGP = manufactured gas plant
PAH = Polycyclic Aromatic Hydrocarbon
RAF = Risk Assessment Framework
PVOC = Petroleum Volatile Organic Compound
RSL = Regional Screening Level (EPA)
SO = Soil
SL = Screening Level
U = Concentration was not detected above the reported limit
USEPA = United States Environmental Protection Agency

Screening Levels:
Screening Levels used on this table were presented in the Multi-Site Risk Assessment Framework (RAF) Addendum Revision 6, issued in August 2017. Since that time, twelve revisions of the RSLs have been published by EPA through May 2023. The RSLs necessary for the MGP-related constituents evaluated in this table are up to date with the most recent revision.

Table 1. July 2023 Soil Sample Results Summary

July 2023 Monthly Progress Report
Wisconsin Public Service Corporation
Green Bay Former Manufactured Gas Plant Site
700 N Adams St, Green Bay, Wisconsin
BRRTS#: 02-05-000254 USEPA#: WIN000509948

				PAH	PAH	PAH	PAH	PAH	PAH	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Cyanide
9-digit Code	Sample Location	Sample Depth (feet-BGS)	Sample Date	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Lead, Total	Mercury, Total	Selenium, Total	Silver, Total	Cyanide, Total
			Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag
			WI Industrial Soil SLs:	**30,000**	**30,000**	**21**	**8.6**	**100,000**	**23,000**	**8**	**100,000**	**100**	**100,000**	**800**	**350**	**5,800**	**5,800**	**1,200**
			WI Residential Soil SLs:	2,400	2,400	1.1	2	18,000	1,800	8	15,000	7.1	100,000	400	23	390	390	78
072523042	SB-716	3-5	07/25/2023	0.534 J	0.936 J	0.428 U	**31.700**	2.070	0.587 J	1.5	85.5	0.70 J	25.7	7.2	0.045 J	1.3	0.14 U	0.46 J
072523043	SB-716	5-7	07/25/2023	0.0039 J	0.117	0.0045 U	0.0597	0.0082 J	0.0036 J	2.2	74.9	0.12 U	39.6	8.2	0.022 J	0.85	0.12 U	0.34 U
072123001	SB-717	1-3	07/21/2023	0.687	0.0975 J	0.384 J	4.480	0.534	0.679	3.2	123	0.42 J	14.0	328	0.087	1.2 J	0.13 J	0.37 UJ
072123002	SB-717	7-9	07/21/2023	0.516	0.265 J	0.102 U	6.380	1.010	0.611 J	4.4	99.4	0.26 J	27.0	7.1 J	0.022 J	1.3 J	0.14 J	0.31 U
072123003	SB-717	17-19	07/21/2023	0.617 U	1.020 J	1.090 U	**75.100**	1.950 J	0.766 U	3.8	96.1	0.11 U	33.3	7.3 J	0.012 U	1.2 J	0.11 U	0.35 U
072723063	SB-718	1-3	07/27/2023	0.0032 J	0.0021 U	0.0036 U	0.0191	0.0050 J	0.0031 J	1.0	3.4	0.10 U	2.8	4.6	0.010 U	0.19 U	0.099 U	0.23 U
072723064	SB-718	3-5	07/27/2023	0.909	0.0367 J	0.218	0.164 J	0.208	2.050	2.2	25.8	0.10 U	7.1	40.0	0.072	0.40 J	0.10 U	0.27 U
072723065	SB-718	5-7	07/27/2023	0.0034 J	0.0023 U	0.0040 U	0.0139 J	0.0046 J	0.0035 J	3.3 J	81.0	0.76 UJ	33.9	7.9	0.011 U	1.4	0.11 U	0.27 U
			Total Number of Samples Analyzed:	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
			Number of Detections:	49	47	25	56	55	48	58	58	19	58	58	31	56	4	24
			Min:	0.01	0.0029	0.017	0.002	0.0046	0.0051	0.74	3.4	0.11	2.8	1	0.01	0.18	0.11	0.32
			Max:	570	31.9	49	423	108	55.3	18	311	0.59	193	398	1.7	3.4	0.36	9
			WI Industrial Soil SLs:	30000	30000	21	8.6	100000	23000	8	100000	100	100000	800	350	5800	5800	1200
			Number of Samples that Exceed WI Industrial Soil SL:	0	0	2	17	0	0	3	0	0	0	0	0	0	0	0
			WI Residential Soil SLs:	2400	2400	1.1	2	18000	1800	8	15000	7.1	100000	400	23	390	390	78
			Number of Samples that Exceed WI Residential Soil SL:	0	0	11	24	0	0	3	0	0	0	0	0	0	0	0

[O:LDH 9/26/23, C: ECB 9/27/2023]

Notes:
Analyte concentration exceeds the standard for:

Bold	**WI Industrial Soil SLs**
Underlined	WI Residential Soil SLs
Pink Highlighting	result exceeds one or more screening criteria
Yellow Highlighting	analyte exceedance in statistics for one or more samples

ANALYTICAL LABORATORY REPORTS

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

July 26, 2023

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on July 21, 2023. 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,

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

Enclosures

cc: ERIC BAUER, Ramboll
NRT Data, Ramboll
Abigail Small, Ramboll
Dan Vachon, Ramboll

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

CERTIFICATIONS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

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
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40265529001	**072123001**	Solid	07/21/23 08:04	07/21/23 09:21
40265529002	**072123002**	Solid	07/21/23 08:10	07/21/23 09:21
40265529003	**072123003**	Solid	07/21/23 08:15	07/21/23 09:21
40265529004	**072123004**	Solid	07/21/23 00:00	07/21/23 09:21

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SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40265529001	**072123001**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265529002	**072123002**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265529003	**072123003**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265529004	**072123004**	EPA 8260	ALD	8

PASI-G = Pace Analytical Services - Green Bay

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: July 26, 2023

General Information:
3 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

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

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

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

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

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

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

QC Batch: 450416

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265529001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2588051)
  - Barium
- MSD (Lab ID: 2588052)
  - Barium

Additional Comments:

Analyte Comments:

QC Batch: 450416

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072123001 (Lab ID: 40265529001)
  - Silver

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: July 26, 2023

Analyte Comments:

QC Batch: 450416

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072123001 (Lab ID: 40265529001)
  - Cadmium
- 072123002 (Lab ID: 40265529002)
  - Silver
  - Cadmium
- 072123003 (Lab ID: 40265529003)
  - Silver
  - Cadmium

Pace Analytical Services, LLC
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(920)469-2436

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Method: **EPA 7471**
Description: 7471 Mercury
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: July 26, 2023

General Information:
3 samples were analyzed for EPA 7471 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

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

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

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

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

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

Additional Comments:

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH by SIM
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: July 26, 2023

General Information:
3 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

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

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

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

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

QC Batch: 450421

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 072123003 (Lab ID: 40265529003)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)
- MS (Lab ID: 2588065)
  - 2-Fluorobiphenyl (S)

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

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

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

QC Batch: 450421

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265529002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2588065)

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH by SIM
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: July 26, 2023

QC Batch: 450421

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265529002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 1-Methylnaphthalene
- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Chrysene
- Dibenz(a,h)anthracene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

• MSD (Lab ID: 2588066)

- 1-Methylnaphthalene
- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Chrysene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

R1: RPD value was outside control limits.

• MSD (Lab ID: 2588066)

- Naphthalene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: July 26, 2023

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

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

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

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

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

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

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

QC Batch: 450437

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 072123002 (Lab ID: 40265529002)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

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

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

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

Additional Comments:

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: July 26, 2023

Analyte Comments:

QC Batch: 450437

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072123001 (Lab ID: 40265529001)
  - 4-Bromofluorobenzene (S)
- 072123002 (Lab ID: 40265529002)
  - 4-Bromofluorobenzene (S)

Pace Analytical Services, LLC
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(920)469-2436

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Method: **EPA 9012B**
Description: 9012 Cyanide, Total
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: July 26, 2023

General Information:
3 samples were analyzed for EPA 9012B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

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

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

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

QC Batch: 450489

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265529001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2588331)
  - Cyanide
- MSD (Lab ID: 2588332)
  - Cyanide

Additional Comments:

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

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Sample: 072123001 **Lab ID: 40265529001** Collected: 07/21/23 08:04 Received: 07/21/23 09:21 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.2**	mg/kg	1.1	0.34	6.667	07/24/23 05:59	07/25/23 04:12	7440-38-2	
Barium	**123**	mg/kg	1.1	0.33	6.667	07/24/23 05:59	07/25/23 04:12	7440-39-3	M0
Cadmium	**0.42J**	mg/kg	0.85	0.12	6.667	07/24/23 05:59	07/25/23 04:12	7440-43-9	D3
Chromium	**14.0**	mg/kg	2.6	0.77	6.667	07/24/23 05:59	07/25/23 04:12	7440-47-3	
Lead	**328**	mg/kg	6.3	1.7	50	07/24/23 05:59	07/25/23 08:40	7439-92-1	P6
Selenium	**1.2**	mg/kg	0.85	0.23	6.667	07/24/23 05:59	07/25/23 07:33	7782-49-2	
Silver	**0.13J**	mg/kg	0.42	0.12	6.667	07/24/23 05:59	07/25/23 04:12	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.087**	mg/kg	0.045	0.013	1	07/26/23 10:16	07/26/23 13:06	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**108J**	ug/kg	425	55.1	20	07/24/23 08:56	07/25/23 08:03	83-32-9	
Acenaphthylene	**68.1J**	ug/kg	425	53.5	20	07/24/23 08:56	07/25/23 08:03	208-96-8	
Anthracene	**158J**	ug/kg	425	52.7	20	07/24/23 08:56	07/25/23 08:03	120-12-7	
Benzo(a)anthracene	**451**	ug/kg	425	54.9	20	07/24/23 08:56	07/25/23 08:03	56-55-3	
Benzo(a)pyrene	**597**	ug/kg	425	48.2	20	07/24/23 08:56	07/25/23 08:03	50-32-8	
Benzo(b)fluoranthene	**702**	ug/kg	425	58.9	20	07/24/23 08:56	07/25/23 08:03	205-99-2	
Benzo(g,h,i)perylene	**492**	ug/kg	425	74.5	20	07/24/23 08:56	07/25/23 08:03	191-24-2	
Benzo(k)fluoranthene	**247J**	ug/kg	425	54.3	20	07/24/23 08:56	07/25/23 08:03	207-08-9	
Chrysene	**503**	ug/kg	425	80.1	20	07/24/23 08:56	07/25/23 08:03	218-01-9	
Dibenz(a,h)anthracene	**124J**	ug/kg	425	58.8	20	07/24/23 08:56	07/25/23 08:03	53-70-3	
Fluoranthene	**687**	ug/kg	425	50.2	20	07/24/23 08:56	07/25/23 08:03	206-44-0	
Fluorene	**97.5J**	ug/kg	425	50.9	20	07/24/23 08:56	07/25/23 08:03	86-73-7	
Indeno(1,2,3-cd)pyrene	**384J**	ug/kg	425	88.5	20	07/24/23 08:56	07/25/23 08:03	193-39-5	
1-Methylnaphthalene	**364J**	ug/kg	425	62.0	20	07/24/23 08:56	07/25/23 08:03	90-12-0	
2-Methylnaphthalene	**379J**	ug/kg	425	62.1	20	07/24/23 08:56	07/25/23 08:03	91-57-6	
Naphthalene	**4480**	ug/kg	425	41.4	20	07/24/23 08:56	07/25/23 08:03	91-20-3	
Phenanthrene	**534**	ug/kg	425	48.6	20	07/24/23 08:56	07/25/23 08:03	85-01-8	
Pyrene	**679**	ug/kg	425	62.4	20	07/24/23 08:56	07/25/23 08:03	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	41-98		20	07/24/23 08:56	07/25/23 08:03	321-60-8	
Terphenyl-d14 (S)	60	%	37-106		20	07/24/23 08:56	07/25/23 08:03	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**1070**	ug/kg	155	92.0	5	07/24/23 07:30	07/25/23 01:57	71-43-2	
Ethylbenzene	**859**	ug/kg	387	92.0	5	07/24/23 07:30	07/25/23 01:57	100-41-4	
Toluene	**<97.4**	ug/kg	387	97.4	5	07/24/23 07:30	07/25/23 01:57	108-88-3	
1,2,4-Trimethylbenzene	**3640**	ug/kg	387	115	5	07/24/23 07:30	07/25/23 01:57	95-63-6	
Xylene (Total)	**1350**	ug/kg	1160	279	5	07/24/23 07:30	07/25/23 01:57	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Sample: 072123001 **Lab ID: 40265529001** Collected: 07/21/23 08:04 Received: 07/21/23 09:21 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	113	%	68-156		5	07/24/23 07:30	07/25/23 01:57	460-00-4	D3
Toluene-d8 (S)	102	%	69-153		5	07/24/23 07:30	07/25/23 01:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	113	%	71-161		5	07/24/23 07:30	07/25/23 01:57	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**21.5**	%	0.10	0.10	1		07/24/23 12:33		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.37**	mg/kg	1.1	0.37	1	07/25/23 10:40	07/25/23 13:38	57-12-5	M0

Sample: 072123002 **Lab ID: 40265529002** Collected: 07/21/23 08:10 Received: 07/21/23 09:21 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.4**	mg/kg	0.99	0.30	6.667	07/24/23 05:59	07/25/23 04:42	7440-38-2	
Barium	**99.4**	mg/kg	0.98	0.30	6.667	07/24/23 05:59	07/25/23 04:42	7440-39-3	
Cadmium	**0.26J**	mg/kg	0.75	0.11	6.667	07/24/23 05:59	07/25/23 04:42	7440-43-9	D3
Chromium	**27.0**	mg/kg	2.3	0.68	6.667	07/24/23 05:59	07/25/23 04:42	7440-47-3	
Lead	**7.1**	mg/kg	0.75	0.20	6.667	07/24/23 05:59	07/25/23 04:42	7439-92-1	
Selenium	**1.3**	mg/kg	0.75	0.20	6.667	07/24/23 05:59	07/25/23 08:03	7782-49-2	
Silver	**0.14J**	mg/kg	0.37	0.11	6.667	07/24/23 05:59	07/25/23 04:42	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.022J**	mg/kg	0.040	0.011	1	07/26/23 10:16	07/26/23 13:12	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**325J**	ug/kg	488	63.4	25	07/24/23 08:56	07/25/23 08:38	83-32-9	M1
Acenaphthylene	**172J**	ug/kg	488	61.6	25	07/24/23 08:56	07/25/23 08:38	208-96-8	M1
Anthracene	**330J**	ug/kg	488	60.6	25	07/24/23 08:56	07/25/23 08:38	120-12-7	M1
Benzo(a)anthracene	**220J**	ug/kg	488	63.1	25	07/24/23 08:56	07/25/23 08:38	56-55-3	M1
Benzo(a)pyrene	**185J**	ug/kg	488	55.5	25	07/24/23 08:56	07/25/23 08:38	50-32-8	M1
Benzo(b)fluoranthene	**173J**	ug/kg	488	67.8	25	07/24/23 08:56	07/25/23 08:38	205-99-2	M1
Benzo(g,h,i)perylene	**137J**	ug/kg	488	85.7	25	07/24/23 08:56	07/25/23 08:38	191-24-2	M1
Benzo(k)fluoranthene	**88.9J**	ug/kg	488	62.4	25	07/24/23 08:56	07/25/23 08:38	207-08-9	M1

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Sample: 072123002 **Lab ID: 40265529002** Collected: 07/21/23 08:10 Received: 07/21/23 09:21 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Chrysene	**266J**	ug/kg	488	92.1	25	07/24/23 08:56	07/25/23 08:38	218-01-9	M1
Dibenz(a,h)anthracene	**<67.6**	ug/kg	488	67.6	25	07/24/23 08:56	07/25/23 08:38	53-70-3	M1
Fluoranthene	**516**	ug/kg	488	57.8	25	07/24/23 08:56	07/25/23 08:38	206-44-0	M1
Fluorene	**265J**	ug/kg	488	58.6	25	07/24/23 08:56	07/25/23 08:38	86-73-7	M1
Indeno(1,2,3-cd)pyrene	**<102**	ug/kg	488	102	25	07/24/23 08:56	07/25/23 08:38	193-39-5	M1
1-Methylnaphthalene	**897**	ug/kg	488	71.3	25	07/24/23 08:56	07/25/23 08:38	90-12-0	M1
2-Methylnaphthalene	**1490**	ug/kg	488	71.4	25	07/24/23 08:56	07/25/23 08:38	91-57-6	M1
Naphthalene	**6380**	ug/kg	488	47.6	25	07/24/23 08:56	07/25/23 08:38	91-20-3	M1,R1
Phenanthrene	**1010**	ug/kg	488	55.9	25	07/24/23 08:56	07/25/23 08:38	85-01-8	M1
Pyrene	**611**	ug/kg	488	71.8	25	07/24/23 08:56	07/25/23 08:38	129-00-0	M1
Surrogates									
2-Fluorobiphenyl (S)	73	%	41-98		25	07/24/23 08:56	07/25/23 08:38	321-60-8	
Terphenyl-d14 (S)	70	%	37-106		25	07/24/23 08:56	07/25/23 08:38	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**8500**	ug/kg	1070	638	40	07/24/23 07:30	07/25/23 01:38	71-43-2	
Ethylbenzene	**8950**	ug/kg	2680	638	40	07/24/23 07:30	07/25/23 01:38	100-41-4	
Toluene	**<676**	ug/kg	2680	676	40	07/24/23 07:30	07/25/23 01:38	108-88-3	
1,2,4-Trimethylbenzene	**16600**	ug/kg	2680	799	40	07/24/23 07:30	07/25/23 01:38	95-63-6	
Xylene (Total)	**19200**	ug/kg	8040	1940	40	07/24/23 07:30	07/25/23 01:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	134	%	68-156		40	07/24/23 07:30	07/25/23 01:38	460-00-4	D3,S4
Toluene-d8 (S)	112	%	69-153		40	07/24/23 07:30	07/25/23 01:38	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	172	%	71-161		40	07/24/23 07:30	07/25/23 01:38	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.6**	%	0.10	0.10	1		07/24/23 12:33		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.31**	mg/kg	0.93	0.31	1	07/25/23 10:40	07/25/23 13:42	57-12-5	

Sample: 072123003 **Lab ID: 40265529003** Collected: 07/21/23 08:15 Received: 07/21/23 09:21 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.8**	mg/kg	1.0	0.31	6.667	07/24/23 05:59	07/25/23 04:56	7440-38-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Sample: 072123003 **Lab ID: 40265529003** Collected: 07/21/23 08:15 Received: 07/21/23 09:21 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Barium	**96.1**	mg/kg	1.0	0.30	6.667	07/24/23 05:59	07/25/23 04:56	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.77	0.11	6.667	07/24/23 05:59	07/25/23 04:56	7440-43-9	D3
Chromium	**33.3**	mg/kg	2.4	0.71	6.667	07/24/23 05:59	07/25/23 04:56	7440-47-3	
Lead	**7.3**	mg/kg	0.77	0.21	6.667	07/24/23 05:59	07/25/23 04:56	7439-92-1	
Selenium	**1.2**	mg/kg	0.77	0.21	6.667	07/24/23 05:59	07/25/23 08:17	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/24/23 05:59	07/25/23 04:56	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.012**	mg/kg	0.043	0.012	1	07/26/23 10:16	07/26/23 13:15	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<676**	ug/kg	5210	676	250	07/24/23 08:56	07/25/23 08:21	83-32-9	
Acenaphthylene	**<657**	ug/kg	5210	657	250	07/24/23 08:56	07/25/23 08:21	208-96-8	
Anthracene	**<647**	ug/kg	5210	647	250	07/24/23 08:56	07/25/23 08:21	120-12-7	
Benzo(a)anthracene	**<673**	ug/kg	5210	673	250	07/24/23 08:56	07/25/23 08:21	56-55-3	
Benzo(a)pyrene	**<592**	ug/kg	5210	592	250	07/24/23 08:56	07/25/23 08:21	50-32-8	
Benzo(b)fluoranthene	**<723**	ug/kg	5210	723	250	07/24/23 08:56	07/25/23 08:21	205-99-2	
Benzo(g,h,i)perylene	**<914**	ug/kg	5210	914	250	07/24/23 08:56	07/25/23 08:21	191-24-2	
Benzo(k)fluoranthene	**<666**	ug/kg	5210	666	250	07/24/23 08:56	07/25/23 08:21	207-08-9	
Chrysene	**<983**	ug/kg	5210	983	250	07/24/23 08:56	07/25/23 08:21	218-01-9	
Dibenz(a,h)anthracene	**<721**	ug/kg	5210	721	250	07/24/23 08:56	07/25/23 08:21	53-70-3	
Fluoranthene	**<617**	ug/kg	5210	617	250	07/24/23 08:56	07/25/23 08:21	206-44-0	
Fluorene	**1020J**	ug/kg	5210	625	250	07/24/23 08:56	07/25/23 08:21	86-73-7	
Indeno(1,2,3-cd)pyrene	**<1090**	ug/kg	5210	1090	250	07/24/23 08:56	07/25/23 08:21	193-39-5	
1-Methylnaphthalene	**7980**	ug/kg	5210	761	250	07/24/23 08:56	07/25/23 08:21	90-12-0	
2-Methylnaphthalene	**13900**	ug/kg	5210	762	250	07/24/23 08:56	07/25/23 08:21	91-57-6	
Naphthalene	**75100**	ug/kg	5210	508	250	07/24/23 08:56	07/25/23 08:21	91-20-3	
Phenanthrene	**1950J**	ug/kg	5210	597	250	07/24/23 08:56	07/25/23 08:21	85-01-8	
Pyrene	**<766**	ug/kg	5210	766	250	07/24/23 08:56	07/25/23 08:21	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	41-98		250	07/24/23 08:56	07/25/23 08:21	321-60-8	S4
Terphenyl-d14 (S)	0	%	37-106		250	07/24/23 08:56	07/25/23 08:21	1718-51-0	S4
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<17.8**	ug/kg	29.8	17.8	1	07/24/23 07:30	07/25/23 00:59	71-43-2	
Ethylbenzene	**<17.8**	ug/kg	74.6	17.8	1	07/24/23 07:30	07/25/23 00:59	100-41-4	
Toluene	**<18.8**	ug/kg	74.6	18.8	1	07/24/23 07:30	07/25/23 00:59	108-88-3	
1,2,4-Trimethylbenzene	**<22.2**	ug/kg	74.6	22.2	1	07/24/23 07:30	07/25/23 00:59	95-63-6	
Xylene (Total)	**<53.9**	ug/kg	224	53.9	1	07/24/23 07:30	07/25/23 00:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	115	%	68-156		1	07/24/23 07:30	07/25/23 00:59	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Sample: 072123003 **Lab ID: 40265529003** Collected: 07/21/23 08:15 Received: 07/21/23 09:21 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	106	%	69-153		1	07/24/23 07:30	07/25/23 00:59	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	115	%	71-161		1	07/24/23 07:30	07/25/23 00:59	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**19.8**	%	0.10	0.10	1		07/24/23 12:33		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.35**	mg/kg	1.0	0.35	1	07/25/23 10:40	07/25/23 13:43	57-12-5	

Sample: 072123004 **Lab ID: 40265529004** Collected: 07/21/23 00:00 Received: 07/21/23 09:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<11.9**	ug/kg	20.0	11.9	1	07/24/23 07:30	07/24/23 19:46	71-43-2	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	07/24/23 07:30	07/24/23 19:46	100-41-4	
Toluene	**<12.6**	ug/kg	50.0	12.6	1	07/24/23 07:30	07/24/23 19:46	108-88-3	
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	07/24/23 07:30	07/24/23 19:46	95-63-6	
Xylene (Total)	**<36.1**	ug/kg	150	36.1	1	07/24/23 07:30	07/24/23 19:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	68-156		1	07/24/23 07:30	07/24/23 19:46	460-00-4	
Toluene-d8 (S)	100	%	69-153		1	07/24/23 07:30	07/24/23 19:46	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	71-161		1	07/24/23 07:30	07/24/23 19:46	2199-69-1	

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

QC Batch: 450673
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265529001, 40265529002, 40265529003

METHOD BLANK: 2589156 Matrix: Solid
Associated Lab Samples: 40265529001, 40265529002, 40265529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	07/26/23 13:01	

LABORATORY CONTROL SAMPLE: 2589157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.88	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589158 2589159

Parameter	Units	40265529001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.087	1.1	1.1	1.2	1.2	105	106	85-115	0	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

QC Batch: 450416
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265529001, 40265529002, 40265529003

METHOD BLANK: 2588049 Matrix: Solid
Associated Lab Samples: 40265529001, 40265529002, 40265529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.040	0.13	07/25/23 03:50	
Barium	mg/kg	<0.039	0.13	07/25/23 03:50	
Cadmium	mg/kg	<0.015	0.10	07/25/23 03:50	
Chromium	mg/kg	<0.091	0.30	07/25/23 03:50	
Lead	mg/kg	<0.027	0.10	07/25/23 03:50	
Selenium	mg/kg	<0.027	0.10	07/25/23 07:19	
Silver	mg/kg	<0.014	0.050	07/25/23 03:50	

LABORATORY CONTROL SAMPLE: 2588050

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	24.9	100	80-120	
Barium	mg/kg	25	24.7	99	80-120	
Cadmium	mg/kg	25	25.2	101	80-120	
Chromium	mg/kg	25	24.2	97	80-120	
Lead	mg/kg	25	25.7	103	80-120	
Selenium	mg/kg	25	25.9	104	80-120	
Silver	mg/kg	12.5	12.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2588051 2588052

Parameter	Units	40265529001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.2	31.6	31.7	33.8	33.5	97	96	75-125	1	20	
Barium	mg/kg	123	31.6	31.7	108	105	-48	-57	75-125	3	20	M0
Cadmium	mg/kg	0.42J	31.6	31.7	31.3	31.3	98	97	75-125	0	20	
Chromium	mg/kg	14.0	31.6	31.7	48.2	47.8	108	107	75-125	1	20	
Lead	mg/kg	328	31.6	31.7	85.4	81.5	-768	-778	75-125	5	20	P6
Selenium	mg/kg	1.2	31.6	31.7	32.5	32.6	99	99	75-125	0	20	
Silver	mg/kg	0.13J	15.8	15.9	14.8	14.7	93	92	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

QC Batch: 450437
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265529001, 40265529002, 40265529003, 40265529004

METHOD BLANK: 2588083 Matrix: Solid
Associated Lab Samples: 40265529001, 40265529002, 40265529003, 40265529004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	07/24/23 18:09	
Benzene	ug/kg	<11.9	20.0	07/24/23 18:09	
Ethylbenzene	ug/kg	<11.9	50.0	07/24/23 18:09	
Toluene	ug/kg	<12.6	50.0	07/24/23 18:09	
Xylene (Total)	ug/kg	<36.1	150	07/24/23 18:09	
1,2-Dichlorobenzene-d4 (S)	%	111	71-161	07/24/23 18:09	
4-Bromofluorobenzene (S)	%	113	68-156	07/24/23 18:09	
Toluene-d8 (S)	%	102	69-153	07/24/23 18:09	

LABORATORY CONTROL SAMPLE: 2588084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2490	100	70-130	
Ethylbenzene	ug/kg	2500	2390	96	80-120	
Toluene	ug/kg	2500	2440	98	80-120	
Xylene (Total)	ug/kg	7500	7250	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			106	71-161	
4-Bromofluorobenzene (S)	%			114	68-156	
Toluene-d8 (S)	%			102	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2588085 2588086

Parameter	Units	40265535001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<17.4	1470	1470	1390	1380	95	95	70-130	0	20	
Ethylbenzene	ug/kg	<17.4	1470	1470	1410	1310	96	90	80-120	7	20	
Toluene	ug/kg	<18.4	1470	1470	1420	1360	97	93	79-120	4	20	
Xylene (Total)	ug/kg	<52.8	4380	4380	4310	3970	98	90	70-130	8	20	
1,2-Dichlorobenzene-d4 (S)	%						123	115	71-161			
4-Bromofluorobenzene (S)	%						129	118	68-156			
Toluene-d8 (S)	%						119	113	69-153			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

QC Batch: 450421
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265529001, 40265529002, 40265529003

METHOD BLANK: 2588063 Matrix: Solid
Associated Lab Samples: 40265529001, 40265529002, 40265529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	07/25/23 07:12	
2-Methylnaphthalene	ug/kg	<2.4	16.7	07/25/23 07:12	
Acenaphthene	ug/kg	<2.2	16.7	07/25/23 07:12	
Acenaphthylene	ug/kg	<2.1	16.7	07/25/23 07:12	
Anthracene	ug/kg	<2.1	16.7	07/25/23 07:12	
Benzo(a)anthracene	ug/kg	<2.2	16.7	07/25/23 07:12	
Benzo(a)pyrene	ug/kg	<1.9	16.7	07/25/23 07:12	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	07/25/23 07:12	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	07/25/23 07:12	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	07/25/23 07:12	
Chrysene	ug/kg	<3.1	16.7	07/25/23 07:12	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	07/25/23 07:12	
Fluoranthene	ug/kg	<2.0	16.7	07/25/23 07:12	
Fluorene	ug/kg	<2.0	16.7	07/25/23 07:12	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	07/25/23 07:12	
Naphthalene	ug/kg	<1.6	16.7	07/25/23 07:12	
Phenanthrene	ug/kg	<1.9	16.7	07/25/23 07:12	
Pyrene	ug/kg	<2.5	16.7	07/25/23 07:12	
2-Fluorobiphenyl (S)	%	82	41-98	07/25/23 07:12	
Terphenyl-d14 (S)	%	101	37-106	07/25/23 07:12	

LABORATORY CONTROL SAMPLE: 2588064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	261	78	64-110	
2-Methylnaphthalene	ug/kg	334	266	80	60-110	
Acenaphthene	ug/kg	334	272	82	69-120	
Acenaphthylene	ug/kg	334	275	82	63-120	
Anthracene	ug/kg	334	301	90	71-112	
Benzo(a)anthracene	ug/kg	334	260	78	62-120	
Benzo(a)pyrene	ug/kg	334	295	88	71-111	
Benzo(b)fluoranthene	ug/kg	334	297	89	59-112	
Benzo(g,h,i)perylene	ug/kg	334	339	101	64-115	
Benzo(k)fluoranthene	ug/kg	334	292	88	72-117	
Chrysene	ug/kg	334	302	91	75-120	
Dibenz(a,h)anthracene	ug/kg	334	325	97	67-114	
Fluoranthene	ug/kg	334	292	87	70-110	
Fluorene	ug/kg	334	286	86	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	334	327	98	71-114	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

LABORATORY CONTROL SAMPLE: 2588064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	334	255	76	62-120	
Phenanthrene	ug/kg	334	288	86	59-106	
Pyrene	ug/kg	334	297	89	69-120	
2-Fluorobiphenyl (S)	%			87	41-98	
Terphenyl-d14 (S)	%			93	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2588065 2588066

Parameter	Units	40265529002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	897	391	390	265J	674	-162	-57	51-110		34	M1
2-Methylnaphthalene	ug/kg	1490	391	390	347J	968	-293	-134	45-110		29	M1
Acenaphthene	ug/kg	325J	391	390	182J	389J	-36	16	52-120		26	M1
Acenaphthylene	ug/kg	172J	391	390	160J	309J	-3	35	46-120		22	M1
Anthracene	ug/kg	330J	391	390	235J	440J	-24	28	50-112		25	M1
Benzo(a)anthracene	ug/kg	220J	391	390	197J	313J	-6	24	41-120		37	M1
Benzo(a)pyrene	ug/kg	185J	391	390	173J	283J	-3	25	44-114		33	M1
Benzo(b)fluoranthene	ug/kg	173J	391	390	153J	273J	-5	26	41-112		43	M1
Benzo(g,h,i)perylene	ug/kg	137J	391	390	188J	283J	13	37	40-115		36	M1
Benzo(k)fluoranthene	ug/kg	88.9J	391	390	192J	257J	26	43	56-117		30	M1
Chrysene	ug/kg	266J	391	390	292J	421J	7	40	45-120		28	M1
Dibenz(a,h)anthracene	ug/kg	<67.6	391	390	162J	215J	37	50	44-114		33	M1
Fluoranthene	ug/kg	516	391	390	272J	534	-62	5	55-110		43	M1
Fluorene	ug/kg	265J	391	390	155J	338J	-28	19	47-104		27	M1
Indeno(1,2,3-cd)pyrene	ug/kg	<102	391	390	176J	261J	22	44	45-114		33	M1
Naphthalene	ug/kg	6380	391	390	1400	3900	-1270	-635	47-120	94	26	M1,R1
Phenanthrene	ug/kg	1010	391	390	357J	844	-168	-43	38-106		24	M1
Pyrene	ug/kg	611	391	390	316J	598	-76	-3	51-120		41	M1
2-Fluorobiphenyl (S)	%						30	59	41-98			S4
Terphenyl-d14 (S)	%						42	55	37-106			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

QC Batch: 450490
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265529001, 40265529002, 40265529003

SAMPLE DUPLICATE: 2588337

Parameter	Units	40265529003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.8	20.0	1	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

QC Batch: 450489
QC Batch Method: EPA 9012B
Analysis Method: EPA 9012B
Analysis Description: 9012 Cyanide
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265529001, 40265529002, 40265529003

METHOD BLANK: 2588329 Matrix: Solid
Associated Lab Samples: 40265529001, 40265529002, 40265529003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.31	0.92	07/25/23 13:37	

LABORATORY CONTROL SAMPLE: 2588330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3	2.6	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2588331 2588332

Parameter	Units	40265529001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	<0.37	3.6	3.7	1.7	1.6	43	38	80-120	7	20	M0

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

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.

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265529

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265529001	**072123001**	EPA 3050B	450416	EPA 6020B	450497
40265529002	**072123002**	EPA 3050B	450416	EPA 6020B	450497
40265529003	**072123003**	EPA 3050B	450416	EPA 6020B	450497
40265529001	**072123001**	EPA 7471	450673	EPA 7471	450714
40265529002	**072123002**	EPA 7471	450673	EPA 7471	450714
40265529003	**072123003**	EPA 7471	450673	EPA 7471	450714
40265529001	**072123001**	EPA 3546	450421	EPA 8270E by SIM	450494
40265529002	**072123002**	EPA 3546	450421	EPA 8270E by SIM	450494
40265529003	**072123003**	EPA 3546	450421	EPA 8270E by SIM	450494
40265529001	**072123001**	EPA 5035/5030B	450437	EPA 8260	450441
40265529002	**072123002**	EPA 5035/5030B	450437	EPA 8260	450441
40265529003	**072123003**	EPA 5035/5030B	450437	EPA 8260	450441
40265529004	**072123004**	EPA 5035/5030B	450437	EPA 8260	450441
40265529001	**072123001**	ASTM D2974-87	450490		
40265529002	**072123002**	ASTM D2974-87	450490		
40265529003	**072123003**	ASTM D2974-87	450490		
40265529001	**072123001**	EPA 9012B	450489	EPA 9012B	450590
40265529002	**072123002**	EPA 9012B	450489	EPA 9012B	450590
40265529003	**072123003**	EPA 9012B	450489	EPA 9012B	450590

COC#: 1940103365-001

Pace Analytical™ www.pacelabs.com

PACE DROPOFF

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40265529

QA: LCA 7/21/2023

Page: 1 of 1

Section A Required Client Information.		Section B Required Project Information		Section C Invoice Information	
Company	Ramboll / WPSC	Report To	GDSData@ramboll.com	Attention	Acts Payable/PM Frank Dombrowski
Address	234 W. Florida St., 5th Floor	Copy To	Staci.Goetz@ramboll.com	Company Name	Wisconsin Public Service Corp.
	Milwaukee, WI 53204		ASmall@ramboll.com	Address	333 W Everett St Milwakee WI 53203
Email To	Nathan.Duda@ramboll.com	Purchase Order No :		Pace Quote Reference	
Phone:	262-719-4512 Fax	Project Name	Former Green Bay MGP	Pace Project Manager	Brian Basten
Requested Due Date/TAT:	Rush 2-Day TAT	Project Number:	1950103365	Pace Profile #	4543 #19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: WI

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)							Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072123001	S	G	7/21/23	08 04	--	--		3	2						1			X	X	X	X							001
2	072123002	S	G	7/21/23	08.10	--	--		3	2						1			X	X	X	X							002
3	072123003	S	G	7/21/23	08 15	--	--		3	2						1			X	X	X	X							003
4	072123004	W	G	7/21/23	--	--	--		1							1			X										004
5																													005
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] / Ramboll	7-21-23	901	[signature] / RAMBOLL	7/21/23	0901				
	[signature] / RAMBOLL	7/21/23	0921	Rodhunt Pace	7-21-23	0921	3.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-21-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1 5% per month for any invoices not paid within 30 days

Client Name: Ramboll / WPSC

Sample Preservation Receipt Form

Project # 40265529

All containers needing preservation have been checked and noted below. ☐Yes ☐No ☒N/A

Lab Lot# of pH paper:

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

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Initial when completed.	Date/ Time	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2									
001																		1		1			1												2.5 / 5
002																		1		1			1												2.5 / 5
003																		1		1			1												2.5 / 5
004																		1																	2.5 / 5
005																																			2.5 / 5
006																																			2.5 / 5
007																																			2.5 / 5
008																																			2.5 / 5
009																																			2.5 / 5
010																																			2.5 / 5
011																																			2.5 / 5
012																																			2.5 / 5
013																																			2.5 / 5
014																																			2.5 / 5
015																																			2.5 / 5
016																																			2.5 / 5
017																																			2.5 / 5
018																																			2.5 / 5
019																																			2.5 / 5
020																																			2.5 / 5

pH 7=2123

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	VG9C	40 mL clear ascorbic w/ HCl	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
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of ____

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40265529

40265529

Client Name: Ramboll / WPSC

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

Tracking #: _____

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 - 121 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 3.5 /Corr: 3.0 R.A 7-21-23

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: 7-21-23 Initials: R.A
Labeled By Initials: MVR

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☑Yes ☐No	7. 2 Day R.A 7-21-23
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used: Correct Type: Pace Green Bay, Pace IR, Non-Pace	☑Yes ☐No	9.
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SC	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 1230		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 2 of 2

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

August 07, 2023

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2023. 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,

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

Enclosures

cc: ERIC BAUER, Ramboll
NRT Data, Ramboll
Abigail Small, Ramboll
Dan Vachon, Ramboll

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

CERTIFICATIONS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

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
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40265613001	**072423005**	Solid	07/24/23 10:22	07/25/23 07:37
40265613002	**072423006**	Solid	07/24/23 10:25	07/25/23 07:37
40265613003	**072423007**	Solid	07/24/23 10:30	07/25/23 07:37
40265613004	**072423008**	Solid	07/24/23 10:35	07/25/23 07:37
40265613005	**072423009**	Solid	07/24/23 11:00	07/25/23 07:37
40265613006	**072423010**	Solid	07/24/23 11:06	07/25/23 07:37
40265613007	**072423011**	Solid	07/24/23 11:16	07/25/23 07:37
40265613008	**072423012**	Solid	07/24/23 11:48	07/25/23 07:37
40265613009	**072423013**	Solid	07/24/23 11:54	07/25/23 07:37
40265613010	**072423014**	Solid	07/24/23 12:00	07/25/23 07:37
40265613011	**072423015**	Solid	07/24/23 12:15	07/25/23 07:37
40265613012	**072423016**	Solid	07/24/23 12:30	07/25/23 07:37
40265613013	**072423017**	Solid	07/24/23 12:35	07/25/23 07:37
40265613014	**072423018**	Solid	07/24/23 12:58	07/25/23 07:37
40265613015	**072423019**	Solid	07/24/23 13:26	07/25/23 07:37
40265613016	**072423020**	Solid	07/24/23 13:30	07/25/23 07:37
40265613017	**072423021**	Solid	07/24/23 14:05	07/25/23 07:37
40265613018	**072423022**	Solid	07/24/23 14:20	07/25/23 07:37
40265613019	**072423023**	Solid	07/24/23 14:25	07/25/23 07:37
40265613020	**072423024**	Solid	07/24/23 14:35	07/25/23 07:37
40265613021	**072423025**	Solid	07/24/23 14:42	07/25/23 07:37
40265613022	**072423026**	Solid	07/24/23 14:47	07/25/23 07:37
40265613023	**072423027**	Solid	07/24/23 14:52	07/25/23 07:37
40265613024	**072423028**	Solid	07/24/23 15:00	07/25/23 07:37
40265613025	**072423029**	Solid	07/24/23 15:10	07/25/23 07:37
40265613026	**072423030**	Solid	07/24/23 15:15	07/25/23 07:37
40265613027	**072423031**	Solid	07/24/23 00:00	07/25/23 07:37

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40265613001	**072423005**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613002	**072423006**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613003	**072423007**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613004	**072423008**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613005	**072423009**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613006	**072423010**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613007	**072423011**	EPA 6020B	TXW	7

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SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613008	**072423012**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613009	**072423013**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613010	**072423014**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613011	**072423015**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613012	**072423016**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613013	**072423017**	EPA 6020B	TXW	7
		EPA 7471	AJT	1

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SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613014	**072423018**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613015	**072423019**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613016	**072423020**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613017	**072423021**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613018	**072423022**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613019	**072423023**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613020	**072423024**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613021	**072423025**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613022	**072423026**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613023	**072423027**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613024	**072423028**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613025	**072423029**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8

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SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613026	**072423030**	EPA 6020B	TXW	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265613027	**072423031**	EPA 8260	ALD	8

PASI-G = Pace Analytical Services - Green Bay

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

General Information:
26 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

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

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

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

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

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

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

QC Batch: 450635

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265613011

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2589059)
  - Barium
- MSD (Lab ID: 2589060)
  - Barium
  - Lead

QC Batch: 450637

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265613021

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2589066)
  - Barium
- MSD (Lab ID: 2589067)

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

QC Batch: 450637

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265613021

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- Barium

Additional Comments:

Analyte Comments:

QC Batch: 450635

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072423005 (Lab ID: 40265613001)
  - Silver
  - Cadmium
- 072423006 (Lab ID: 40265613002)
  - Silver
  - Arsenic
  - Cadmium
  - Selenium
- 072423007 (Lab ID: 40265613003)
  - Silver
  - Cadmium
- 072423008 (Lab ID: 40265613004)
  - Silver
  - Cadmium
- 072423009 (Lab ID: 40265613005)
  - Silver
  - Cadmium
- 072423010 (Lab ID: 40265613006)
  - Silver
  - Cadmium
- 072423011 (Lab ID: 40265613007)
  - Silver
  - Cadmium
- 072423012 (Lab ID: 40265613008)
  - Silver
  - Cadmium
- 072423013 (Lab ID: 40265613009)
  - Silver
  - Cadmium
- 072423014 (Lab ID: 40265613010)
  - Silver
  - Cadmium
- 072423015 (Lab ID: 40265613011)
  - Silver
  - Cadmium

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

Analyte Comments:

QC Batch: 450635

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072423016 (Lab ID: 40265613012)
  - Silver
  - Cadmium
- 072423017 (Lab ID: 40265613013)
  - Silver
  - Cadmium
- 072423018 (Lab ID: 40265613014)
  - Silver
  - Cadmium
- 072423019 (Lab ID: 40265613015)
  - Silver
  - Cadmium
- 072423020 (Lab ID: 40265613016)
  - Silver
  - Cadmium
- 072423021 (Lab ID: 40265613017)
  - Silver
  - Cadmium
- 072423022 (Lab ID: 40265613018)
  - Silver
  - Cadmium
  - Selenium
- 072423023 (Lab ID: 40265613019)
  - Silver
  - Cadmium
- 072423024 (Lab ID: 40265613020)
  - Silver
  - Cadmium

QC Batch: 450637

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072423025 (Lab ID: 40265613021)
  - Silver
  - Cadmium
- 072423026 (Lab ID: 40265613022)
  - Silver
  - Cadmium
- 072423027 (Lab ID: 40265613023)
  - Silver
  - Cadmium
- 072423028 (Lab ID: 40265613024)
  - Silver
  - Cadmium

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

Analyte Comments:

QC Batch: 450637

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072423029 (Lab ID: 40265613025)
  - Silver
  - Cadmium
- 072423030 (Lab ID: 40265613026)
  - Silver
  - Cadmium

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 7471**
Description: 7471 Mercury
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

General Information:
26 samples were analyzed for EPA 7471 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

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

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

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

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

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

Additional Comments:

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH by SIM
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

General Information:
26 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

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

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

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

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

QC Batch: 451137

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 072423021 (Lab ID: 40265613017)
  - 2-Fluorobiphenyl (S)

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

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

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

QC Batch: 451136

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265613002

R1: RPD value was outside control limits.

- MSD (Lab ID: 2592140)
  - Anthracene

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH by SIM
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

QC Batch: 451137

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265613011

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2592143)
  - Naphthalene
- MSD (Lab ID: 2592144)
  - 2-Methylnaphthalene
  - Naphthalene

QC Batch: 451367

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265879014

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2593264)
  - Naphthalene
- MSD (Lab ID: 2593265)
  - Naphthalene

Additional Comments:

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

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

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

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

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

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

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

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

QC Batch: 450668

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 072423016 (Lab ID: 40265613012)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

QC Batch: 450687

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 072423027 (Lab ID: 40265613023)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

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

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

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

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

QC Batch: 450668

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265613011

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 2589154)
  - Benzene
  - Ethylbenzene
  - Toluene

QC Batch: 450687

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265654002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2589226)
  - Benzene
  - Ethylbenzene
  - Toluene
- MSD (Lab ID: 2589227)
  - Ethylbenzene

Additional Comments:

Analyte Comments:

QC Batch: 450668

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072423010 (Lab ID: 40265613006)
  - 4-Bromofluorobenzene (S)
- 072423016 (Lab ID: 40265613012)
  - 4-Bromofluorobenzene (S)
- 072423017 (Lab ID: 40265613013)
  - 4-Bromofluorobenzene (S)
- 072423019 (Lab ID: 40265613015)
  - 4-Bromofluorobenzene (S)

QC Batch: 450687

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072423027 (Lab ID: 40265613023)
  - 4-Bromofluorobenzene (S)
- 072423030 (Lab ID: 40265613026)
  - 4-Bromofluorobenzene (S)

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Method: **EPA 9012B**
Description: 9012 Cyanide, Total
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 07, 2023

General Information:
26 samples were analyzed for EPA 9012B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

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

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

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

QC Batch: 451211

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265613026,40265712005

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2592449)
  - Cyanide
- MSD (Lab ID: 2592450)
  - Cyanide

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423005 **Lab ID: 40265613001** Collected: 07/24/23 10:22 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.4**	mg/kg	0.86	0.26	6.667	07/26/23 06:12	07/26/23 22:51	7440-38-2	
Barium	**8.7**	mg/kg	0.85	0.26	6.667	07/26/23 06:12	07/26/23 22:51	7440-39-3	
Cadmium	**<0.095**	mg/kg	0.65	0.095	6.667	07/26/23 06:12	07/26/23 22:51	7440-43-9	D3
Chromium	**14.1**	mg/kg	2.0	0.59	6.667	07/26/23 06:12	07/26/23 22:51	7440-47-3	
Lead	**10**	mg/kg	0.65	0.18	6.667	07/26/23 06:12	07/27/23 20:13	7439-92-1	
Selenium	**1.3**	mg/kg	0.65	0.18	6.667	07/26/23 06:12	07/26/23 22:51	7782-49-2	
Silver	**<0.093**	mg/kg	0.33	0.093	6.667	07/26/23 06:12	07/26/23 22:51	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0097**	mg/kg	0.034	0.0097	1	08/02/23 08:34	08/03/23 10:09	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**4.5J**	ug/kg	17.7	2.3	1	08/01/23 08:13	08/01/23 17:24	83-32-9	
Acenaphthylene	**28.5**	ug/kg	17.7	2.2	1	08/01/23 08:13	08/01/23 17:24	208-96-8	
Anthracene	**20.6**	ug/kg	17.7	2.2	1	08/01/23 08:13	08/01/23 17:24	120-12-7	
Benzo(a)anthracene	**101**	ug/kg	17.7	2.3	1	08/01/23 08:13	08/01/23 17:24	56-55-3	
Benzo(a)pyrene	**154**	ug/kg	17.7	2.0	1	08/01/23 08:13	08/01/23 17:24	50-32-8	
Benzo(b)fluoranthene	**237**	ug/kg	17.7	2.5	1	08/01/23 08:13	08/01/23 17:24	205-99-2	
Benzo(g,h,i)perylene	**128**	ug/kg	17.7	3.1	1	08/01/23 08:13	08/01/23 17:24	191-24-2	
Benzo(k)fluoranthene	**91.6**	ug/kg	17.7	2.3	1	08/01/23 08:13	08/01/23 17:24	207-08-9	
Chrysene	**174**	ug/kg	17.7	3.3	1	08/01/23 08:13	08/01/23 17:24	218-01-9	
Dibenz(a,h)anthracene	**29.2**	ug/kg	17.7	2.4	1	08/01/23 08:13	08/01/23 17:24	53-70-3	
Fluoranthene	**349**	ug/kg	17.7	2.1	1	08/01/23 08:13	08/01/23 17:24	206-44-0	
Fluorene	**7.7J**	ug/kg	17.7	2.1	1	08/01/23 08:13	08/01/23 17:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**98.4**	ug/kg	17.7	3.7	1	08/01/23 08:13	08/01/23 17:24	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.7	2.6	1	08/01/23 08:13	08/01/23 17:24	90-12-0	
2-Methylnaphthalene	**4.4J**	ug/kg	17.7	2.6	1	08/01/23 08:13	08/01/23 17:24	91-57-6	
Naphthalene	**7.1J**	ug/kg	17.7	1.7	1	08/01/23 08:13	08/01/23 17:24	91-20-3	
Phenanthrene	**156**	ug/kg	17.7	2.0	1	08/01/23 08:13	08/01/23 17:24	85-01-8	
Pyrene	**275**	ug/kg	17.7	2.6	1	08/01/23 08:13	08/01/23 17:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	81	%	41-98		1	08/01/23 08:13	08/01/23 17:24	321-60-8	
Terphenyl-d14 (S)	84	%	37-106		1	08/01/23 08:13	08/01/23 17:24	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.3**	ug/kg	22.4	13.3	1	07/26/23 07:30	07/26/23 15:17	71-43-2	
Ethylbenzene	**<13.3**	ug/kg	56.0	13.3	1	07/26/23 07:30	07/26/23 15:17	100-41-4	
Toluene	**<14.1**	ug/kg	56.0	14.1	1	07/26/23 07:30	07/26/23 15:17	108-88-3	
1,2,4-Trimethylbenzene	**<16.7**	ug/kg	56.0	16.7	1	07/26/23 07:30	07/26/23 15:17	95-63-6	
Xylene (Total)	**<40.4**	ug/kg	168	40.4	1	07/26/23 07:30	07/26/23 15:17	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423005 **Lab ID: 40265613001** Collected: 07/24/23 10:22 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	117	%	68-156		1	07/26/23 07:30	07/26/23 15:17	460-00-4	
Toluene-d8 (S)	112	%	69-153		1	07/26/23 07:30	07/26/23 15:17	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	114	%	71-161		1	07/26/23 07:30	07/26/23 15:17	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**5.7**	%	0.10	0.10	1		07/27/23 13:20		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.28**	mg/kg	0.83	0.28	1	08/02/23 10:10	08/02/23 11:36	57-12-5	

Sample: 072423006 **Lab ID: 40265613002** Collected: 07/24/23 10:25 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**0.74J**	mg/kg	1.1	0.33	6.667	07/26/23 06:12	07/26/23 23:01	7440-38-2	D3
Barium	**11.1**	mg/kg	1.1	0.33	6.667	07/26/23 06:12	07/26/23 23:01	7440-39-3	
Cadmium	**<0.12**	mg/kg	0.83	0.12	6.667	07/26/23 06:12	07/26/23 23:01	7440-43-9	D3
Chromium	**6.5**	mg/kg	2.5	0.75	6.667	07/26/23 06:12	07/26/23 23:01	7440-47-3	
Lead	**1.1**	mg/kg	0.83	0.23	6.667	07/26/23 06:12	07/27/23 20:24	7439-92-1	
Selenium	**0.68J**	mg/kg	0.83	0.23	6.667	07/26/23 06:12	07/26/23 23:01	7782-49-2	D3
Silver	**<0.12**	mg/kg	0.41	0.12	6.667	07/26/23 06:12	07/26/23 23:01	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.012**	mg/kg	0.041	0.012	1	08/02/23 08:34	08/03/23 10:11	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**54.6**	ug/kg	21.9	2.8	1	08/01/23 08:13	08/01/23 11:57	83-32-9	
Acenaphthylene	**<2.8**	ug/kg	21.9	2.8	1	08/01/23 08:13	08/01/23 11:57	208-96-8	
Anthracene	**10.3J**	ug/kg	21.9	2.7	1	08/01/23 08:13	08/01/23 11:57	120-12-7	R1
Benzo(a)anthracene	**<2.8**	ug/kg	21.9	2.8	1	08/01/23 08:13	08/01/23 11:57	56-55-3	
Benzo(a)pyrene	**<2.5**	ug/kg	21.9	2.5	1	08/01/23 08:13	08/01/23 11:57	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	21.9	3.0	1	08/01/23 08:13	08/01/23 11:57	205-99-2	
Benzo(g,h,i)perylene	**<3.8**	ug/kg	21.9	3.8	1	08/01/23 08:13	08/01/23 11:57	191-24-2	
Benzo(k)fluoranthene	**<2.8**	ug/kg	21.9	2.8	1	08/01/23 08:13	08/01/23 11:57	207-08-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423006 **Lab ID: 40265613002** Collected: 07/24/23 10:25 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Chrysene	**<4.1**	ug/kg	21.9	4.1	1	08/01/23 08:13	08/01/23 11:57	218-01-9	
Dibenz(a,h)anthracene	**<3.0**	ug/kg	21.9	3.0	1	08/01/23 08:13	08/01/23 11:57	53-70-3	
Fluoranthene	**<2.6**	ug/kg	21.9	2.6	1	08/01/23 08:13	08/01/23 11:57	206-44-0	
Fluorene	**45.4**	ug/kg	21.9	2.6	1	08/01/23 08:13	08/01/23 11:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.6**	ug/kg	21.9	4.6	1	08/01/23 08:13	08/01/23 11:57	193-39-5	
1-Methylnaphthalene	**6.5J**	ug/kg	21.9	3.2	1	08/01/23 08:13	08/01/23 11:57	90-12-0	
2-Methylnaphthalene	**8.0J**	ug/kg	21.9	3.2	1	08/01/23 08:13	08/01/23 11:57	91-57-6	
Naphthalene	**16.6J**	ug/kg	21.9	2.1	1	08/01/23 08:13	08/01/23 11:57	91-20-3	
Phenanthrene	**7.7J**	ug/kg	21.9	2.5	1	08/01/23 08:13	08/01/23 11:57	85-01-8	
Pyrene	**<3.2**	ug/kg	21.9	3.2	1	08/01/23 08:13	08/01/23 11:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	41-98		1	08/01/23 08:13	08/01/23 11:57	321-60-8	
Terphenyl-d14 (S)	72	%	37-106		1	08/01/23 08:13	08/01/23 11:57	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<19.3**	ug/kg	32.4	19.3	1	07/26/23 07:30	07/26/23 16:58	71-43-2	
Ethylbenzene	**<19.3**	ug/kg	81.0	19.3	1	07/26/23 07:30	07/26/23 16:58	100-41-4	
Toluene	**<20.4**	ug/kg	81.0	20.4	1	07/26/23 07:30	07/26/23 16:58	108-88-3	
1,2,4-Trimethylbenzene	**<24.2**	ug/kg	81.0	24.2	1	07/26/23 07:30	07/26/23 16:58	95-63-6	
Xylene (Total)	**<58.5**	ug/kg	243	58.5	1	07/26/23 07:30	07/26/23 16:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	140	%	68-156		1	07/26/23 07:30	07/26/23 16:58	460-00-4	
Toluene-d8 (S)	132	%	69-153		1	07/26/23 07:30	07/26/23 16:58	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	130	%	71-161		1	07/26/23 07:30	07/26/23 16:58	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**23.7**	%	0.10	0.10	1		07/27/23 13:20		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.30**	mg/kg	0.91	0.30	1	08/02/23 10:10	08/02/23 11:37	57-12-5	

Sample: 072423007 **Lab ID: 40265613003** Collected: 07/24/23 10:30 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.2**	mg/kg	1.2	0.37	6.667	07/26/23 06:12	07/26/23 23:06	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423007 **Lab ID: 40265613003** Collected: 07/24/23 10:30 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Barium	**65.1**	mg/kg	1.2	0.36	6.667	07/26/23 06:12	07/26/23 23:06	7440-39-3	
Cadmium	**0.17J**	mg/kg	0.92	0.13	6.667	07/26/23 06:12	07/26/23 23:06	7440-43-9	D3
Chromium	**25.0**	mg/kg	2.8	0.84	6.667	07/26/23 06:12	07/26/23 23:06	7440-47-3	
Lead	**5.5**	mg/kg	0.92	0.25	6.667	07/26/23 06:12	07/27/23 20:29	7439-92-1	
Selenium	**2.4**	mg/kg	0.92	0.25	6.667	07/26/23 06:12	07/26/23 23:06	7782-49-2	
Silver	**<0.13**	mg/kg	0.46	0.13	6.667	07/26/23 06:12	07/26/23 23:06	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.017J**	mg/kg	0.045	0.013	1	08/02/23 08:34	08/03/23 10:14	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<3.1**	ug/kg	23.7	3.1	1	08/01/23 08:13	08/01/23 15:06	83-32-9	
Acenaphthylene	**<3.0**	ug/kg	23.7	3.0	1	08/01/23 08:13	08/01/23 15:06	208-96-8	
Anthracene	**<2.9**	ug/kg	23.7	2.9	1	08/01/23 08:13	08/01/23 15:06	120-12-7	
Benzo(a)anthracene	**<3.1**	ug/kg	23.7	3.1	1	08/01/23 08:13	08/01/23 15:06	56-55-3	
Benzo(a)pyrene	**<2.7**	ug/kg	23.7	2.7	1	08/01/23 08:13	08/01/23 15:06	50-32-8	
Benzo(b)fluoranthene	**<3.3**	ug/kg	23.7	3.3	1	08/01/23 08:13	08/01/23 15:06	205-99-2	
Benzo(g,h,i)perylene	**<4.2**	ug/kg	23.7	4.2	1	08/01/23 08:13	08/01/23 15:06	191-24-2	
Benzo(k)fluoranthene	**<3.0**	ug/kg	23.7	3.0	1	08/01/23 08:13	08/01/23 15:06	207-08-9	
Chrysene	**<4.5**	ug/kg	23.7	4.5	1	08/01/23 08:13	08/01/23 15:06	218-01-9	
Dibenz(a,h)anthracene	**<3.3**	ug/kg	23.7	3.3	1	08/01/23 08:13	08/01/23 15:06	53-70-3	
Fluoranthene	**<2.8**	ug/kg	23.7	2.8	1	08/01/23 08:13	08/01/23 15:06	206-44-0	
Fluorene	**<2.8**	ug/kg	23.7	2.8	1	08/01/23 08:13	08/01/23 15:06	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.9**	ug/kg	23.7	4.9	1	08/01/23 08:13	08/01/23 15:06	193-39-5	
1-Methylnaphthalene	**11.9J**	ug/kg	23.7	3.5	1	08/01/23 08:13	08/01/23 15:06	90-12-0	
2-Methylnaphthalene	**<3.5**	ug/kg	23.7	3.5	1	08/01/23 08:13	08/01/23 15:06	91-57-6	
Naphthalene	**4.2J**	ug/kg	23.7	2.3	1	08/01/23 08:13	08/01/23 15:06	91-20-3	
Phenanthrene	**3.3J**	ug/kg	23.7	2.7	1	08/01/23 08:13	08/01/23 15:06	85-01-8	
Pyrene	**<3.5**	ug/kg	23.7	3.5	1	08/01/23 08:13	08/01/23 15:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	41-98		1	08/01/23 08:13	08/01/23 15:06	321-60-8	
Terphenyl-d14 (S)	54	%	37-106		1	08/01/23 08:13	08/01/23 15:06	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<21.9**	ug/kg	36.8	21.9	1	07/26/23 07:30	07/26/23 17:18	71-43-2	
Ethylbenzene	**<21.9**	ug/kg	92.1	21.9	1	07/26/23 07:30	07/26/23 17:18	100-41-4	
Toluene	**<23.2**	ug/kg	92.1	23.2	1	07/26/23 07:30	07/26/23 17:18	108-88-3	
1,2,4-Trimethylbenzene	**<27.4**	ug/kg	92.1	27.4	1	07/26/23 07:30	07/26/23 17:18	95-63-6	
Xylene (Total)	**<66.5**	ug/kg	276	66.5	1	07/26/23 07:30	07/26/23 17:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	133	%	68-156		1	07/26/23 07:30	07/26/23 17:18	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423007 **Lab ID: 40265613003** Collected: 07/24/23 10:30 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	129	%	69-153		1	07/26/23 07:30	07/26/23 17:18	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	131	%	71-161		1	07/26/23 07:30	07/26/23 17:18	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**29.6**	%	0.10	0.10	1		07/27/23 13:20		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.41**	mg/kg	1.2	0.41	1	08/02/23 10:10	08/02/23 11:38	57-12-5	

Sample: 072423008 **Lab ID: 40265613004** Collected: 07/24/23 10:35 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.5**	mg/kg	1.5	0.44	6.667	07/26/23 06:12	07/26/23 23:22	7440-38-2	
Barium	**71.5**	mg/kg	1.4	0.43	6.667	07/26/23 06:12	07/26/23 23:22	7440-39-3	
Cadmium	**<0.16**	mg/kg	1.1	0.16	6.667	07/26/23 06:12	07/26/23 23:22	7440-43-9	D3
Chromium	**22.8**	mg/kg	3.3	1.0	6.667	07/26/23 06:12	07/26/23 23:22	7440-47-3	
Lead	**5.7**	mg/kg	1.1	0.30	6.667	07/26/23 06:12	07/27/23 20:44	7439-92-1	
Selenium	**2.6**	mg/kg	1.1	0.30	6.667	07/26/23 06:12	07/26/23 23:22	7782-49-2	
Silver	**<0.16**	mg/kg	0.55	0.16	6.667	07/26/23 06:12	07/26/23 23:22	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.025J**	mg/kg	0.053	0.015	1	08/02/23 08:34	08/03/23 10:16	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**12.1J**	ug/kg	27.7	3.6	1	08/01/23 08:13	08/01/23 15:23	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	27.7	3.5	1	08/01/23 08:13	08/01/23 15:23	208-96-8	
Anthracene	**4.1J**	ug/kg	27.7	3.4	1	08/01/23 08:13	08/01/23 15:23	120-12-7	
Benzo(a)anthracene	**6.1J**	ug/kg	27.7	3.6	1	08/01/23 08:13	08/01/23 15:23	56-55-3	
Benzo(a)pyrene	**3.6J**	ug/kg	27.7	3.2	1	08/01/23 08:13	08/01/23 15:23	50-32-8	
Benzo(b)fluoranthene	**6.1J**	ug/kg	27.7	3.9	1	08/01/23 08:13	08/01/23 15:23	205-99-2	
Benzo(g,h,i)perylene	**<4.9**	ug/kg	27.7	4.9	1	08/01/23 08:13	08/01/23 15:23	191-24-2	
Benzo(k)fluoranthene	**<3.5**	ug/kg	27.7	3.5	1	08/01/23 08:13	08/01/23 15:23	207-08-9	
Chrysene	**6.4J**	ug/kg	27.7	5.2	1	08/01/23 08:13	08/01/23 15:23	218-01-9	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423008 **Lab ID: 40265613004** Collected: 07/24/23 10:35 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Dibenz(a,h)anthracene	**<3.8**	ug/kg	27.7	3.8	1	08/01/23 08:13	08/01/23 15:23	53-70-3	
Fluoranthene	**13.3J**	ug/kg	27.7	3.3	1	08/01/23 08:13	08/01/23 15:23	206-44-0	
Fluorene	**5.8J**	ug/kg	27.7	3.3	1	08/01/23 08:13	08/01/23 15:23	86-73-7	
Indeno(1,2,3-cd)pyrene	**<5.8**	ug/kg	27.7	5.8	1	08/01/23 08:13	08/01/23 15:23	193-39-5	
1-Methylnaphthalene	**38.4**	ug/kg	27.7	4.1	1	08/01/23 08:13	08/01/23 15:23	90-12-0	
2-Methylnaphthalene	**6.5J**	ug/kg	27.7	4.1	1	08/01/23 08:13	08/01/23 15:23	91-57-6	
Naphthalene	**28.3**	ug/kg	27.7	2.7	1	08/01/23 08:13	08/01/23 15:23	91-20-3	
Phenanthrene	**12.9J**	ug/kg	27.7	3.2	1	08/01/23 08:13	08/01/23 15:23	85-01-8	
Pyrene	**10.2J**	ug/kg	27.7	4.1	1	08/01/23 08:13	08/01/23 15:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	41-98		1	08/01/23 08:13	08/01/23 15:23	321-60-8	
Terphenyl-d14 (S)	53	%	37-106		1	08/01/23 08:13	08/01/23 15:23	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<27.7**	ug/kg	46.5	27.7	1	07/26/23 07:30	07/26/23 17:38	71-43-2	
Ethylbenzene	**<27.7**	ug/kg	116	27.7	1	07/26/23 07:30	07/26/23 17:38	100-41-4	
Toluene	**<29.3**	ug/kg	116	29.3	1	07/26/23 07:30	07/26/23 17:38	108-88-3	
1,2,4-Trimethylbenzene	**<34.7**	ug/kg	116	34.7	1	07/26/23 07:30	07/26/23 17:38	95-63-6	
Xylene (Total)	**<84.0**	ug/kg	349	84.0	1	07/26/23 07:30	07/26/23 17:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	142	%	68-156		1	07/26/23 07:30	07/26/23 17:38	460-00-4	
Toluene-d8 (S)	135	%	69-153		1	07/26/23 07:30	07/26/23 17:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	136	%	71-161		1	07/26/23 07:30	07/26/23 17:38	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**39.9**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.45**	mg/kg	1.3	0.45	1	08/02/23 10:10	08/02/23 11:39	57-12-5	

Sample: 072423009 **Lab ID: 40265613005** Collected: 07/24/23 11:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.9**	mg/kg	0.88	0.26	6.667	07/26/23 06:12	07/26/23 23:27	7440-38-2	
Barium	**16.5**	mg/kg	0.87	0.26	6.667	07/26/23 06:12	07/26/23 23:27	7440-39-3	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423009 **Lab ID: 40265613005** Collected: 07/24/23 11:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Cadmium	**<0.097**	mg/kg	0.66	0.097	6.667	07/26/23 06:12	07/26/23 23:27	7440-43-9	D3
Chromium	**10.0**	mg/kg	2.0	0.61	6.667	07/26/23 06:12	07/26/23 23:27	7440-47-3	
Lead	**8.9**	mg/kg	0.66	0.18	6.667	07/26/23 06:12	07/27/23 20:49	7439-92-1	
Selenium	**1.0**	mg/kg	0.66	0.18	6.667	07/26/23 06:12	07/26/23 23:27	7782-49-2	
Silver	**<0.095**	mg/kg	0.33	0.095	6.667	07/26/23 06:12	07/26/23 23:27	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.15**	mg/kg	0.033	0.0095	1	08/02/23 08:34	08/03/23 10:18	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**45.0J**	ug/kg	89.6	11.6	5	08/01/23 08:13	08/01/23 15:41	83-32-9	
Acenaphthylene	**89.4J**	ug/kg	89.6	11.3	5	08/01/23 08:13	08/01/23 15:41	208-96-8	
Anthracene	**105**	ug/kg	89.6	11.1	5	08/01/23 08:13	08/01/23 15:41	120-12-7	
Benzo(a)anthracene	**465**	ug/kg	89.6	11.6	5	08/01/23 08:13	08/01/23 15:41	56-55-3	
Benzo(a)pyrene	**653**	ug/kg	89.6	10.2	5	08/01/23 08:13	08/01/23 15:41	50-32-8	
Benzo(b)fluoranthene	**838**	ug/kg	89.6	12.4	5	08/01/23 08:13	08/01/23 15:41	205-99-2	
Benzo(g,h,i)perylene	**569**	ug/kg	89.6	15.7	5	08/01/23 08:13	08/01/23 15:41	191-24-2	
Benzo(k)fluoranthene	**305**	ug/kg	89.6	11.5	5	08/01/23 08:13	08/01/23 15:41	207-08-9	
Chrysene	**518**	ug/kg	89.6	16.9	5	08/01/23 08:13	08/01/23 15:41	218-01-9	
Dibenz(a,h)anthracene	**159**	ug/kg	89.6	12.4	5	08/01/23 08:13	08/01/23 15:41	53-70-3	
Fluoranthene	**743**	ug/kg	89.6	10.6	5	08/01/23 08:13	08/01/23 15:41	206-44-0	
Fluorene	**33.4J**	ug/kg	89.6	10.7	5	08/01/23 08:13	08/01/23 15:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**455**	ug/kg	89.6	18.7	5	08/01/23 08:13	08/01/23 15:41	193-39-5	
1-Methylnaphthalene	**126**	ug/kg	89.6	13.1	5	08/01/23 08:13	08/01/23 15:41	90-12-0	
2-Methylnaphthalene	**165**	ug/kg	89.6	13.1	5	08/01/23 08:13	08/01/23 15:41	91-57-6	
Naphthalene	**265**	ug/kg	89.6	8.7	5	08/01/23 08:13	08/01/23 15:41	91-20-3	
Phenanthrene	**382**	ug/kg	89.6	10.3	5	08/01/23 08:13	08/01/23 15:41	85-01-8	
Pyrene	**737**	ug/kg	89.6	13.2	5	08/01/23 08:13	08/01/23 15:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	41-98		5	08/01/23 08:13	08/01/23 15:41	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		5	08/01/23 08:13	08/01/23 15:41	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**15.9J**	ug/kg	24.8	14.8	1	07/26/23 07:30	07/26/23 17:58	71-43-2	
Ethylbenzene	**<14.8**	ug/kg	62.1	14.8	1	07/26/23 07:30	07/26/23 17:58	100-41-4	
Toluene	**39.1J**	ug/kg	62.1	15.6	1	07/26/23 07:30	07/26/23 17:58	108-88-3	
1,2,4-Trimethylbenzene	**<18.5**	ug/kg	62.1	18.5	1	07/26/23 07:30	07/26/23 17:58	95-63-6	
Xylene (Total)	**<44.8**	ug/kg	186	44.8	1	07/26/23 07:30	07/26/23 17:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	118	%	68-156		1	07/26/23 07:30	07/26/23 17:58	460-00-4	
Toluene-d8 (S)	107	%	69-153		1	07/26/23 07:30	07/26/23 17:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423009 **Lab ID: 40265613005** Collected: 07/24/23 11:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
1,2-Dichlorobenzene-d4 (S)	114	%	71-161		1	07/26/23 07:30	07/26/23 17:58	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**6.9**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.49J**	mg/kg	0.75	0.25	1	08/02/23 10:10	08/02/23 11:39	57-12-5	

Sample: 072423010 **Lab ID: 40265613006** Collected: 07/24/23 11:06 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**5.0**	mg/kg	1.0	0.30	6.667	07/26/23 06:12	07/26/23 23:32	7440-38-2	
Barium	**140**	mg/kg	1.0	0.30	6.667	07/26/23 06:12	07/26/23 23:32	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.76	0.11	6.667	07/26/23 06:12	07/26/23 23:32	7440-43-9	D3
Chromium	**38.6**	mg/kg	2.3	0.69	6.667	07/26/23 06:12	07/26/23 23:32	7440-47-3	
Lead	**6.7**	mg/kg	0.76	0.21	6.667	07/26/23 06:12	07/27/23 20:55	7439-92-1	
Selenium	**2.6**	mg/kg	0.76	0.21	6.667	07/26/23 06:12	07/26/23 23:32	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/26/23 06:12	07/26/23 23:32	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.013J**	mg/kg	0.040	0.011	1	08/02/23 08:34	08/03/23 10:25	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**3930J**	ug/kg	4050	525	200	08/01/23 08:13	08/01/23 17:41	83-32-9	
Acenaphthylene	**9900**	ug/kg	4050	511	200	08/01/23 08:13	08/01/23 17:41	208-96-8	
Anthracene	**9800**	ug/kg	4050	503	200	08/01/23 08:13	08/01/23 17:41	120-12-7	
Benzo(a)anthracene	**5850**	ug/kg	4050	523	200	08/01/23 08:13	08/01/23 17:41	56-55-3	
Benzo(a)pyrene	**3220J**	ug/kg	4050	460	200	08/01/23 08:13	08/01/23 17:41	50-32-8	
Benzo(b)fluoranthene	**2560J**	ug/kg	4050	562	200	08/01/23 08:13	08/01/23 17:41	205-99-2	
Benzo(g,h,i)perylene	**882J**	ug/kg	4050	711	200	08/01/23 08:13	08/01/23 17:41	191-24-2	
Benzo(k)fluoranthene	**1130J**	ug/kg	4050	518	200	08/01/23 08:13	08/01/23 17:41	207-08-9	
Chrysene	**6070**	ug/kg	4050	764	200	08/01/23 08:13	08/01/23 17:41	218-01-9	
Dibenz(a,h)anthracene	**<560**	ug/kg	4050	560	200	08/01/23 08:13	08/01/23 17:41	53-70-3	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423010 **Lab ID: 40265613006** Collected: 07/24/23 11:06 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Fluoranthene	**12200**	ug/kg	4050	479	200	08/01/23 08:13	08/01/23 17:41	206-44-0	
Fluorene	**12700**	ug/kg	4050	486	200	08/01/23 08:13	08/01/23 17:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**<844**	ug/kg	4050	844	200	08/01/23 08:13	08/01/23 17:41	193-39-5	
1-Methylnaphthalene	**18800**	ug/kg	4050	592	200	08/01/23 08:13	08/01/23 17:41	90-12-0	
2-Methylnaphthalene	**25500**	ug/kg	4050	592	200	08/01/23 08:13	08/01/23 17:41	91-57-6	
Naphthalene	**20600**	ug/kg	4050	395	200	08/01/23 08:13	08/01/23 17:41	91-20-3	
Phenanthrene	**48100**	ug/kg	4050	464	200	08/01/23 08:13	08/01/23 17:41	85-01-8	
Pyrene	**17400**	ug/kg	4050	595	200	08/01/23 08:13	08/01/23 17:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	41-98		200	08/01/23 08:13	08/01/23 17:41	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		200	08/01/23 08:13	08/01/23 17:41	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**1040**	ug/kg	286	170	10	07/26/23 07:30	07/26/23 21:19	71-43-2	
Ethylbenzene	**941**	ug/kg	714	170	10	07/26/23 07:30	07/26/23 21:19	100-41-4	
Toluene	**1360**	ug/kg	714	180	10	07/26/23 07:30	07/26/23 21:19	108-88-3	
1,2,4-Trimethylbenzene	**1180**	ug/kg	714	213	10	07/26/23 07:30	07/26/23 21:19	95-63-6	
Xylene (Total)	**2140J**	ug/kg	2140	516	10	07/26/23 07:30	07/26/23 21:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	110	%	68-156		10	07/26/23 07:30	07/26/23 21:19	460-00-4	D3
Toluene-d8 (S)	113	%	69-153		10	07/26/23 07:30	07/26/23 21:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	123	%	71-161		10	07/26/23 07:30	07/26/23 21:19	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.6**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.31**	mg/kg	0.94	0.31	1	08/02/23 10:10	08/02/23 11:40	57-12-5	

Sample: 072423011 **Lab ID: 40265613007** Collected: 07/24/23 11:16 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.0**	mg/kg	1.0	0.31	6.667	07/26/23 06:12	07/26/23 23:37	7440-38-2	
Barium	**94.8**	mg/kg	1.0	0.30	6.667	07/26/23 06:12	07/26/23 23:37	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.77	0.11	6.667	07/26/23 06:12	07/26/23 23:37	7440-43-9	D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423011 **Lab ID: 40265613007** Collected: 07/24/23 11:16 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Chromium	**36.6**	mg/kg	2.3	0.70	6.667	07/26/23 06:12	07/26/23 23:37	7440-47-3	
Lead	**7.5**	mg/kg	0.77	0.21	6.667	07/26/23 06:12	07/27/23 21:00	7439-92-1	
Selenium	**2.2**	mg/kg	0.77	0.21	6.667	07/26/23 06:12	07/26/23 23:37	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/26/23 06:12	07/26/23 23:37	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.015J**	mg/kg	0.042	0.012	1	08/02/23 08:34	08/03/23 10:28	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**37.8**	ug/kg	20.7	2.7	1	08/01/23 08:13	08/01/23 12:32	83-32-9	
Acenaphthylene	**4.5J**	ug/kg	20.7	2.6	1	08/01/23 08:13	08/01/23 12:32	208-96-8	
Anthracene	**9.1J**	ug/kg	20.7	2.6	1	08/01/23 08:13	08/01/23 12:32	120-12-7	
Benzo(a)anthracene	**5.6J**	ug/kg	20.7	2.7	1	08/01/23 08:13	08/01/23 12:32	56-55-3	
Benzo(a)pyrene	**2.6J**	ug/kg	20.7	2.4	1	08/01/23 08:13	08/01/23 12:32	50-32-8	
Benzo(b)fluoranthene	**3.4J**	ug/kg	20.7	2.9	1	08/01/23 08:13	08/01/23 12:32	205-99-2	
Benzo(g,h,i)perylene	**<3.6**	ug/kg	20.7	3.6	1	08/01/23 08:13	08/01/23 12:32	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	20.7	2.6	1	08/01/23 08:13	08/01/23 12:32	207-08-9	
Chrysene	**7.1J**	ug/kg	20.7	3.9	1	08/01/23 08:13	08/01/23 12:32	218-01-9	
Dibenz(a,h)anthracene	**<2.9**	ug/kg	20.7	2.9	1	08/01/23 08:13	08/01/23 12:32	53-70-3	
Fluoranthene	**12.2J**	ug/kg	20.7	2.5	1	08/01/23 08:13	08/01/23 12:32	206-44-0	
Fluorene	**17.0J**	ug/kg	20.7	2.5	1	08/01/23 08:13	08/01/23 12:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.3**	ug/kg	20.7	4.3	1	08/01/23 08:13	08/01/23 12:32	193-39-5	
1-Methylnaphthalene	**4.8J**	ug/kg	20.7	3.0	1	08/01/23 08:13	08/01/23 12:32	90-12-0	
2-Methylnaphthalene	**5.6J**	ug/kg	20.7	3.0	1	08/01/23 08:13	08/01/23 12:32	91-57-6	
Naphthalene	**8.5J**	ug/kg	20.7	2.0	1	08/01/23 08:13	08/01/23 12:32	91-20-3	
Phenanthrene	**20.3J**	ug/kg	20.7	2.4	1	08/01/23 08:13	08/01/23 12:32	85-01-8	
Pyrene	**15.5J**	ug/kg	20.7	3.0	1	08/01/23 08:13	08/01/23 12:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	41-98		1	08/01/23 08:13	08/01/23 12:32	321-60-8	
Terphenyl-d14 (S)	50	%	37-106		1	08/01/23 08:13	08/01/23 12:32	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<17.6**	ug/kg	29.6	17.6	1	07/26/23 07:30	07/26/23 18:18	71-43-2	
Ethylbenzene	**<17.6**	ug/kg	74.0	17.6	1	07/26/23 07:30	07/26/23 18:18	100-41-4	
Toluene	**<18.7**	ug/kg	74.0	18.7	1	07/26/23 07:30	07/26/23 18:18	108-88-3	
1,2,4-Trimethylbenzene	**<22.1**	ug/kg	74.0	22.1	1	07/26/23 07:30	07/26/23 18:18	95-63-6	
Xylene (Total)	**<53.4**	ug/kg	222	53.4	1	07/26/23 07:30	07/26/23 18:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	115	%	68-156		1	07/26/23 07:30	07/26/23 18:18	460-00-4	
Toluene-d8 (S)	109	%	69-153		1	07/26/23 07:30	07/26/23 18:18	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	112	%	71-161		1	07/26/23 07:30	07/26/23 18:18	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423011 **Lab ID: 40265613007** Collected: 07/24/23 11:16 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**19.4**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.34**	mg/kg	1.0	0.34	1	08/02/23 10:10	08/02/23 11:41	57-12-5	

Sample: 072423012 **Lab ID: 40265613008** Collected: 07/24/23 11:48 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.5**	mg/kg	0.88	0.27	6.667	07/26/23 06:12	07/26/23 23:42	7440-38-2	
Barium	**31.0**	mg/kg	0.88	0.26	6.667	07/26/23 06:12	07/26/23 23:42	7440-39-3	
Cadmium	**<0.098**	mg/kg	0.67	0.098	6.667	07/26/23 06:12	07/26/23 23:42	7440-43-9	D3
Chromium	**10.0**	mg/kg	2.0	0.61	6.667	07/26/23 06:12	07/26/23 23:42	7440-47-3	
Lead	**24.9**	mg/kg	0.67	0.18	6.667	07/26/23 06:12	07/27/23 21:05	7439-92-1	
Selenium	**0.77**	mg/kg	0.67	0.18	6.667	07/26/23 06:12	07/26/23 23:42	7782-49-2	
Silver	**<0.096**	mg/kg	0.34	0.096	6.667	07/26/23 06:12	07/26/23 23:42	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0098**	mg/kg	0.034	0.0098	1	08/02/23 08:34	08/03/23 10:30	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**24.9**	ug/kg	18.0	2.3	1	08/01/23 08:49	08/01/23 18:50	83-32-9	
Acenaphthylene	**117**	ug/kg	18.0	2.3	1	08/01/23 08:49	08/01/23 18:50	208-96-8	
Anthracene	**110**	ug/kg	18.0	2.2	1	08/01/23 08:49	08/01/23 18:50	120-12-7	
Benzo(a)anthracene	**390**	ug/kg	18.0	2.3	1	08/01/23 08:49	08/01/23 18:50	56-55-3	
Benzo(a)pyrene	**428**	ug/kg	18.0	2.0	1	08/01/23 08:49	08/01/23 18:50	50-32-8	
Benzo(b)fluoranthene	**551**	ug/kg	18.0	2.5	1	08/01/23 08:49	08/01/23 18:50	205-99-2	
Benzo(g,h,i)perylene	**342**	ug/kg	18.0	3.2	1	08/01/23 08:49	08/01/23 18:50	191-24-2	
Benzo(k)fluoranthene	**198**	ug/kg	18.0	2.3	1	08/01/23 08:49	08/01/23 18:50	207-08-9	
Chrysene	**384**	ug/kg	18.0	3.4	1	08/01/23 08:49	08/01/23 18:50	218-01-9	
Dibenz(a,h)anthracene	**88.5**	ug/kg	18.0	2.5	1	08/01/23 08:49	08/01/23 18:50	53-70-3	
Fluoranthene	**531**	ug/kg	18.0	2.1	1	08/01/23 08:49	08/01/23 18:50	206-44-0	
Fluorene	**43.4**	ug/kg	18.0	2.2	1	08/01/23 08:49	08/01/23 18:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**262**	ug/kg	18.0	3.8	1	08/01/23 08:49	08/01/23 18:50	193-39-5	
1-Methylnaphthalene	**68.1**	ug/kg	18.0	2.6	1	08/01/23 08:49	08/01/23 18:50	90-12-0	
2-Methylnaphthalene	**114**	ug/kg	18.0	2.6	1	08/01/23 08:49	08/01/23 18:50	91-57-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423012 **Lab ID: 40265613008** Collected: 07/24/23 11:48 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Naphthalene	**368**	ug/kg	18.0	1.8	1	08/01/23 08:49	08/01/23 18:50	91-20-3	
Phenanthrene	**350**	ug/kg	18.0	2.1	1	08/01/23 08:49	08/01/23 18:50	85-01-8	
Pyrene	**539**	ug/kg	18.0	2.6	1	08/01/23 08:49	08/01/23 18:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	41-98		1	08/01/23 08:49	08/01/23 18:50	321-60-8	
Terphenyl-d14 (S)	69	%	37-106		1	08/01/23 08:49	08/01/23 18:50	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**14.3J**	ug/kg	23.2	13.8	1	07/26/23 07:30	07/26/23 18:38	71-43-2	
Ethylbenzene	**<13.8**	ug/kg	58.0	13.8	1	07/26/23 07:30	07/26/23 18:38	100-41-4	
Toluene	**<14.6**	ug/kg	58.0	14.6	1	07/26/23 07:30	07/26/23 18:38	108-88-3	
1,2,4-Trimethylbenzene	**<17.3**	ug/kg	58.0	17.3	1	07/26/23 07:30	07/26/23 18:38	95-63-6	
Xylene (Total)	**<41.8**	ug/kg	174	41.8	1	07/26/23 07:30	07/26/23 18:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	124	%	68-156		1	07/26/23 07:30	07/26/23 18:38	460-00-4	
Toluene-d8 (S)	122	%	69-153		1	07/26/23 07:30	07/26/23 18:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	121	%	71-161		1	07/26/23 07:30	07/26/23 18:38	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**7.4**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.26**	mg/kg	0.79	0.26	1	08/02/23 10:10	08/02/23 11:42	57-12-5	

Sample: 072423013 **Lab ID: 40265613009** Collected: 07/24/23 11:54 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.5**	mg/kg	0.98	0.29	6.667	07/26/23 06:12	07/26/23 23:48	7440-38-2	
Barium	**54.0**	mg/kg	0.97	0.29	6.667	07/26/23 06:12	07/26/23 23:48	7440-39-3	
Cadmium	**0.11J**	mg/kg	0.74	0.11	6.667	07/26/23 06:12	07/26/23 23:48	7440-43-9	D3
Chromium	**17.8**	mg/kg	2.3	0.68	6.667	07/26/23 06:12	07/26/23 23:48	7440-47-3	
Lead	**41.3**	mg/kg	0.74	0.20	6.667	07/26/23 06:12	07/27/23 21:10	7439-92-1	
Selenium	**1.2**	mg/kg	0.74	0.20	6.667	07/26/23 06:12	07/26/23 23:48	7782-49-2	
Silver	**<0.11**	mg/kg	0.37	0.11	6.667	07/26/23 06:12	07/26/23 23:48	7440-22-4	D3

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423013 **Lab ID: 40265613009** Collected: 07/24/23 11:54 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.037	0.011	1	08/02/23 08:34	08/03/23 10:32	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<5.0**	ug/kg	38.8	5.0	1	08/01/23 08:49	08/01/23 14:31	83-32-9	
Acenaphthylene	**<4.9**	ug/kg	38.8	4.9	1	08/01/23 08:49	08/01/23 14:31	208-96-8	
Anthracene	**5.7J**	ug/kg	38.8	4.8	1	08/01/23 08:49	08/01/23 14:31	120-12-7	
Benzo(a)anthracene	**19.1J**	ug/kg	38.8	5.0	1	08/01/23 08:49	08/01/23 14:31	56-55-3	
Benzo(a)pyrene	**17.9J**	ug/kg	38.8	4.4	1	08/01/23 08:49	08/01/23 14:31	50-32-8	
Benzo(b)fluoranthene	**25.6J**	ug/kg	38.8	5.4	1	08/01/23 08:49	08/01/23 14:31	205-99-2	
Benzo(g,h,i)perylene	**17.7J**	ug/kg	38.8	6.8	1	08/01/23 08:49	08/01/23 14:31	191-24-2	
Benzo(k)fluoranthene	**11.7J**	ug/kg	38.8	5.0	1	08/01/23 08:49	08/01/23 14:31	207-08-9	
Chrysene	**25.0J**	ug/kg	38.8	7.3	1	08/01/23 08:49	08/01/23 14:31	218-01-9	
Dibenz(a,h)anthracene	**<5.4**	ug/kg	38.8	5.4	1	08/01/23 08:49	08/01/23 14:31	53-70-3	
Fluoranthene	**40.1**	ug/kg	38.8	4.6	1	08/01/23 08:49	08/01/23 14:31	206-44-0	
Fluorene	**<4.6**	ug/kg	38.8	4.6	1	08/01/23 08:49	08/01/23 14:31	86-73-7	
Indeno(1,2,3-cd)pyrene	**12.6J**	ug/kg	38.8	8.1	1	08/01/23 08:49	08/01/23 14:31	193-39-5	
1-Methylnaphthalene	**<5.7**	ug/kg	38.8	5.7	1	08/01/23 08:49	08/01/23 14:31	90-12-0	
2-Methylnaphthalene	**<5.7**	ug/kg	38.8	5.7	1	08/01/23 08:49	08/01/23 14:31	91-57-6	
Naphthalene	**40.2**	ug/kg	38.8	3.8	1	08/01/23 08:49	08/01/23 14:31	91-20-3	
Phenanthrene	**29.9J**	ug/kg	38.8	4.4	1	08/01/23 08:49	08/01/23 14:31	85-01-8	
Pyrene	**31.9J**	ug/kg	38.8	5.7	1	08/01/23 08:49	08/01/23 14:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	41-98		1	08/01/23 08:49	08/01/23 14:31	321-60-8	
Terphenyl-d14 (S)	48	%	37-106		1	08/01/23 08:49	08/01/23 14:31	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**56.9**	ug/kg	26.5	15.7	1	07/26/23 07:30	07/26/23 18:58	71-43-2	
Ethylbenzene	**<15.7**	ug/kg	66.2	15.7	1	07/26/23 07:30	07/26/23 18:58	100-41-4	
Toluene	**<16.7**	ug/kg	66.2	16.7	1	07/26/23 07:30	07/26/23 18:58	108-88-3	
1,2,4-Trimethylbenzene	**<19.7**	ug/kg	66.2	19.7	1	07/26/23 07:30	07/26/23 18:58	95-63-6	
Xylene (Total)	**<47.8**	ug/kg	198	47.8	1	07/26/23 07:30	07/26/23 18:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	140	%	68-156		1	07/26/23 07:30	07/26/23 18:58	460-00-4	
Toluene-d8 (S)	129	%	69-153		1	07/26/23 07:30	07/26/23 18:58	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	134	%	71-161		1	07/26/23 07:30	07/26/23 18:58	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.9**	%	0.10	0.10	1		07/27/23 13:21		

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423013 **Lab ID: 40265613009** Collected: 07/24/23 11:54 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.60J**	mg/kg	0.99	0.33	1	08/02/23 10:10	08/02/23 11:44	57-12-5	

Sample: 072423014 **Lab ID: 40265613010** Collected: 07/24/23 12:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.2**	mg/kg	1.0	0.30	6.667	07/26/23 06:12	07/26/23 23:53	7440-38-2	
Barium	**52.2**	mg/kg	1.0	0.30	6.667	07/26/23 06:12	07/26/23 23:53	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.76	0.11	6.667	07/26/23 06:12	07/26/23 23:53	7440-43-9	D3
Chromium	**30.5**	mg/kg	2.3	0.69	6.667	07/26/23 06:12	07/26/23 23:53	7440-47-3	
Lead	**4.9**	mg/kg	0.76	0.21	6.667	07/26/23 06:12	07/27/23 21:15	7439-92-1	
Selenium	**1.5**	mg/kg	0.76	0.21	6.667	07/26/23 06:12	07/26/23 23:53	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/26/23 06:12	07/26/23 23:53	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.037	0.011	1	08/02/23 08:34	08/03/23 10:34	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**10.6J**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 14:48	83-32-9	
Acenaphthylene	**22.6**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 14:48	208-96-8	
Anthracene	**17.3J**	ug/kg	19.6	2.4	1	08/01/23 08:49	08/01/23 14:48	120-12-7	
Benzo(a)anthracene	**10.1J**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 14:48	56-55-3	
Benzo(a)pyrene	**5.5J**	ug/kg	19.6	2.2	1	08/01/23 08:49	08/01/23 14:48	50-32-8	
Benzo(b)fluoranthene	**7.7J**	ug/kg	19.6	2.7	1	08/01/23 08:49	08/01/23 14:48	205-99-2	
Benzo(g,h,i)perylene	**3.9J**	ug/kg	19.6	3.4	1	08/01/23 08:49	08/01/23 14:48	191-24-2	
Benzo(k)fluoranthene	**3.5J**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 14:48	207-08-9	
Chrysene	**10.8J**	ug/kg	19.6	3.7	1	08/01/23 08:49	08/01/23 14:48	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.6	2.7	1	08/01/23 08:49	08/01/23 14:48	53-70-3	
Fluoranthene	**32.8**	ug/kg	19.6	2.3	1	08/01/23 08:49	08/01/23 14:48	206-44-0	
Fluorene	**47.1**	ug/kg	19.6	2.3	1	08/01/23 08:49	08/01/23 14:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.1**	ug/kg	19.6	4.1	1	08/01/23 08:49	08/01/23 14:48	193-39-5	
1-Methylnaphthalene	**91.1**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 14:48	90-12-0	
2-Methylnaphthalene	**4.3J**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 14:48	91-57-6	
Naphthalene	**69.6**	ug/kg	19.6	1.9	1	08/01/23 08:49	08/01/23 14:48	91-20-3	
Phenanthrene	**85.9**	ug/kg	19.6	2.2	1	08/01/23 08:49	08/01/23 14:48	85-01-8	
Pyrene	**29.5**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 14:48	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423014 **Lab ID: 40265613010** Collected: 07/24/23 12:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Surrogates									
2-Fluorobiphenyl (S)	76	%	41-98		1	08/01/23 08:49	08/01/23 14:48	321-60-8	
Terphenyl-d14 (S)	76	%	37-106		1	08/01/23 08:49	08/01/23 14:48	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**231**	ug/kg	26.9	16.0	1	07/26/23 07:30	07/26/23 20:19	71-43-2	
Ethylbenzene	**795**	ug/kg	67.3	16.0	1	07/26/23 07:30	07/26/23 20:19	100-41-4	
Toluene	**58.2J**	ug/kg	67.3	17.0	1	07/26/23 07:30	07/26/23 20:19	108-88-3	
1,2,4-Trimethylbenzene	**4340**	ug/kg	67.3	20.1	1	07/26/23 07:30	07/26/23 20:19	95-63-6	
Xylene (Total)	**2900**	ug/kg	202	48.6	1	07/26/23 07:30	07/26/23 20:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	113	%	68-156		1	07/26/23 07:30	07/26/23 20:19	460-00-4	
Toluene-d8 (S)	109	%	69-153		1	07/26/23 07:30	07/26/23 20:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	114	%	71-161		1	07/26/23 07:30	07/26/23 20:19	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.8**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.33**	mg/kg	1.0	0.33	1	08/02/23 10:10	08/02/23 11:45	57-12-5	

Sample: 072423015 **Lab ID: 40265613011** Collected: 07/24/23 12:15 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.9**	mg/kg	1.0	0.31	6.667	07/26/23 06:12	07/26/23 22:30	7440-38-2	
Barium	**55.1**	mg/kg	1.0	0.31	6.667	07/26/23 06:12	07/26/23 22:30	7440-39-3	M0
Cadmium	**0.15J**	mg/kg	0.78	0.11	6.667	07/26/23 06:12	07/26/23 22:30	7440-43-9	D3
Chromium	**17.9**	mg/kg	2.4	0.71	6.667	07/26/23 06:12	07/26/23 22:30	7440-47-3	
Lead	**65.3**	mg/kg	0.78	0.21	6.667	07/26/23 06:12	07/27/23 19:53	7439-92-1	M0
Selenium	**1.6**	mg/kg	0.78	0.21	6.667	07/26/23 06:12	07/26/23 22:30	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/26/23 06:12	07/26/23 22:30	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.012**	mg/kg	0.041	0.012	1	08/02/23 08:34	08/03/23 10:02	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423015 **Lab ID: 40265613011** Collected: 07/24/23 12:15 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**26.2**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 14:14	83-32-9	
Acenaphthylene	**2.5J**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 14:14	208-96-8	
Anthracene	**35.9**	ug/kg	19.6	2.4	1	08/01/23 08:49	08/01/23 14:14	120-12-7	
Benzo(a)anthracene	**20.2**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 14:14	56-55-3	
Benzo(a)pyrene	**13.7J**	ug/kg	19.6	2.2	1	08/01/23 08:49	08/01/23 14:14	50-32-8	
Benzo(b)fluoranthene	**20.2**	ug/kg	19.6	2.7	1	08/01/23 08:49	08/01/23 14:14	205-99-2	
Benzo(g,h,i)perylene	**11.9J**	ug/kg	19.6	3.4	1	08/01/23 08:49	08/01/23 14:14	191-24-2	
Benzo(k)fluoranthene	**8.1J**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 14:14	207-08-9	
Chrysene	**27.0**	ug/kg	19.6	3.7	1	08/01/23 08:49	08/01/23 14:14	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.6	2.7	1	08/01/23 08:49	08/01/23 14:14	53-70-3	
Fluoranthene	**59.8**	ug/kg	19.6	2.3	1	08/01/23 08:49	08/01/23 14:14	206-44-0	
Fluorene	**35.5**	ug/kg	19.6	2.4	1	08/01/23 08:49	08/01/23 14:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**8.7J**	ug/kg	19.6	4.1	1	08/01/23 08:49	08/01/23 14:14	193-39-5	
1-Methylnaphthalene	**40.2**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 14:14	90-12-0	
2-Methylnaphthalene	**86.8**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 14:14	91-57-6	M1
Naphthalene	**325**	ug/kg	19.6	1.9	1	08/01/23 08:49	08/01/23 14:14	91-20-3	M1
Phenanthrene	**137**	ug/kg	19.6	2.2	1	08/01/23 08:49	08/01/23 14:14	85-01-8	
Pyrene	**51.4**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 14:14	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	41-98		1	08/01/23 08:49	08/01/23 14:14	321-60-8	
Terphenyl-d14 (S)	53	%	37-106		1	08/01/23 08:49	08/01/23 14:14	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**247**	ug/kg	27.1	16.1	1	07/26/23 07:30	07/26/23 14:37	71-43-2	M1
Ethylbenzene	**17.0J**	ug/kg	67.7	16.1	1	07/26/23 07:30	07/26/23 14:37	100-41-4	M1
Toluene	**67.7**	ug/kg	67.7	17.0	1	07/26/23 07:30	07/26/23 14:37	108-88-3	M1
1,2,4-Trimethylbenzene	**<20.2**	ug/kg	67.7	20.2	1	07/26/23 07:30	07/26/23 14:37	95-63-6	
Xylene (Total)	**<48.8**	ug/kg	203	48.8	1	07/26/23 07:30	07/26/23 14:37	1330-20-7	MS
Surrogates									
4-Bromofluorobenzene (S)	120	%	68-156		1	07/26/23 07:30	07/26/23 14:37	460-00-4	
Toluene-d8 (S)	123	%	69-153		1	07/26/23 07:30	07/26/23 14:37	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	117	%	71-161		1	07/26/23 07:30	07/26/23 14:37	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.0**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.72J**	mg/kg	0.93	0.31	1	08/02/23 10:10	08/02/23 11:45	57-12-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423016 **Lab ID: 40265613012** Collected: 07/24/23 12:30 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.1**	mg/kg	0.94	0.28	6.667	07/26/23 06:12	07/26/23 23:58	7440-38-2	
Barium	**71.4**	mg/kg	0.93	0.28	6.667	07/26/23 06:12	07/26/23 23:58	7440-39-3	
Cadmium	**0.13J**	mg/kg	0.71	0.10	6.667	07/26/23 06:12	07/26/23 23:58	7440-43-9	D3
Chromium	**20.8**	mg/kg	2.2	0.65	6.667	07/26/23 06:12	07/26/23 23:58	7440-47-3	
Lead	**92.5**	mg/kg	0.71	0.19	6.667	07/26/23 06:12	07/27/23 21:20	7439-92-1	
Selenium	**1.7**	mg/kg	0.71	0.19	6.667	07/26/23 06:12	07/26/23 23:58	7782-49-2	
Silver	**<0.10**	mg/kg	0.36	0.10	6.667	07/26/23 06:12	07/26/23 23:58	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.040	0.011	1	08/02/23 08:34	08/03/23 10:37	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**145**	ug/kg	96.6	12.5	5	08/01/23 08:49	08/02/23 08:39	83-32-9	
Acenaphthylene	**107**	ug/kg	96.6	12.2	5	08/01/23 08:49	08/02/23 08:39	208-96-8	
Anthracene	**160**	ug/kg	96.6	12.0	5	08/01/23 08:49	08/02/23 08:39	120-12-7	
Benzo(a)anthracene	**106**	ug/kg	96.6	12.5	5	08/01/23 08:49	08/02/23 08:39	56-55-3	
Benzo(a)pyrene	**86.0J**	ug/kg	96.6	11.0	5	08/01/23 08:49	08/02/23 08:39	50-32-8	
Benzo(b)fluoranthene	**85.0J**	ug/kg	96.6	13.4	5	08/01/23 08:49	08/02/23 08:39	205-99-2	
Benzo(g,h,i)perylene	**43.6J**	ug/kg	96.6	16.9	5	08/01/23 08:49	08/02/23 08:39	191-24-2	
Benzo(k)fluoranthene	**31.8J**	ug/kg	96.6	12.3	5	08/01/23 08:49	08/02/23 08:39	207-08-9	
Chrysene	**113**	ug/kg	96.6	18.2	5	08/01/23 08:49	08/02/23 08:39	218-01-9	
Dibenz(a,h)anthracene	**<13.4**	ug/kg	96.6	13.4	5	08/01/23 08:49	08/02/23 08:39	53-70-3	
Fluoranthene	**273**	ug/kg	96.6	11.4	5	08/01/23 08:49	08/02/23 08:39	206-44-0	
Fluorene	**218**	ug/kg	96.6	11.6	5	08/01/23 08:49	08/02/23 08:39	86-73-7	
Indeno(1,2,3-cd)pyrene	**30.1J**	ug/kg	96.6	20.1	5	08/01/23 08:49	08/02/23 08:39	193-39-5	
1-Methylnaphthalene	**345**	ug/kg	96.6	14.1	5	08/01/23 08:49	08/02/23 08:39	90-12-0	
2-Methylnaphthalene	**266**	ug/kg	96.6	14.1	5	08/01/23 08:49	08/02/23 08:39	91-57-6	
Naphthalene	**2460**	ug/kg	96.6	9.4	5	08/01/23 08:49	08/02/23 08:39	91-20-3	
Phenanthrene	**751**	ug/kg	96.6	11.1	5	08/01/23 08:49	08/02/23 08:39	85-01-8	
Pyrene	**323**	ug/kg	96.6	14.2	5	08/01/23 08:49	08/02/23 08:39	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	41-98		5	08/01/23 08:49	08/02/23 08:39	321-60-8	
Terphenyl-d14 (S)	55	%	37-106		5	08/01/23 08:49	08/02/23 08:39	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**16900**	ug/kg	526	313	20	07/26/23 07:30	07/26/23 20:59	71-43-2	
Ethylbenzene	**4040**	ug/kg	1320	313	20	07/26/23 07:30	07/26/23 20:59	100-41-4	
Toluene	**3470**	ug/kg	1320	332	20	07/26/23 07:30	07/26/23 20:59	108-88-3	
1,2,4-Trimethylbenzene	**2780**	ug/kg	1320	392	20	07/26/23 07:30	07/26/23 20:59	95-63-6	
Xylene (Total)	**8650**	ug/kg	3950	950	20	07/26/23 07:30	07/26/23 20:59	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423016 **Lab ID: 40265613012** Collected: 07/24/23 12:30 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	147	%	68-156		20	07/26/23 07:30	07/26/23 20:59	460-00-4	D3,S4
Toluene-d8 (S)	127	%	69-153		20	07/26/23 07:30	07/26/23 20:59	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	182	%	71-161		20	07/26/23 07:30	07/26/23 20:59	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.6**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.40J**	mg/kg	0.66	0.22	1	08/02/23 10:10	08/02/23 11:48	57-12-5	

Sample: 072423017 **Lab ID: 40265613013** Collected: 07/24/23 12:35 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.9**	mg/kg	0.98	0.30	6.667	07/26/23 06:12	07/27/23 00:03	7440-38-2	
Barium	**133**	mg/kg	0.98	0.29	6.667	07/26/23 06:12	07/27/23 00:03	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.75	0.11	6.667	07/26/23 06:12	07/27/23 00:03	7440-43-9	D3
Chromium	**32.6**	mg/kg	2.3	0.68	6.667	07/26/23 06:12	07/27/23 00:03	7440-47-3	
Lead	**6.1**	mg/kg	0.75	0.20	6.667	07/26/23 06:12	07/27/23 21:26	7439-92-1	
Selenium	**2.2**	mg/kg	0.75	0.20	6.667	07/26/23 06:12	07/27/23 00:03	7782-49-2	
Silver	**<0.11**	mg/kg	0.37	0.11	6.667	07/26/23 06:12	07/27/23 00:03	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.037	0.011	1	08/02/23 08:34	08/03/23 10:39	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**257J**	ug/kg	802	104	40	08/01/23 08:49	08/02/23 08:57	83-32-9	
Acenaphthylene	**586J**	ug/kg	802	101	40	08/01/23 08:49	08/02/23 08:57	208-96-8	
Anthracene	**943**	ug/kg	802	99.6	40	08/01/23 08:49	08/02/23 08:57	120-12-7	
Benzo(a)anthracene	**408J**	ug/kg	802	104	40	08/01/23 08:49	08/02/23 08:57	56-55-3	
Benzo(a)pyrene	**367J**	ug/kg	802	91.2	40	08/01/23 08:49	08/02/23 08:57	50-32-8	
Benzo(b)fluoranthene	**312J**	ug/kg	802	111	40	08/01/23 08:49	08/02/23 08:57	205-99-2	
Benzo(g,h,i)perylene	**186J**	ug/kg	802	141	40	08/01/23 08:49	08/02/23 08:57	191-24-2	
Benzo(k)fluoranthene	**146J**	ug/kg	802	103	40	08/01/23 08:49	08/02/23 08:57	207-08-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423017 **Lab ID: 40265613013** Collected: 07/24/23 12:35 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Chrysene	**427J**	ug/kg	802	151	40	08/01/23 08:49	08/02/23 08:57	218-01-9	
Dibenz(a,h)anthracene	**<111**	ug/kg	802	111	40	08/01/23 08:49	08/02/23 08:57	53-70-3	
Fluoranthene	**1090**	ug/kg	802	95.0	40	08/01/23 08:49	08/02/23 08:57	206-44-0	
Fluorene	**1030**	ug/kg	802	96.2	40	08/01/23 08:49	08/02/23 08:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**<167**	ug/kg	802	167	40	08/01/23 08:49	08/02/23 08:57	193-39-5	
1-Methylnaphthalene	**2590**	ug/kg	802	117	40	08/01/23 08:49	08/02/23 08:57	90-12-0	
2-Methylnaphthalene	**3750**	ug/kg	802	117	40	08/01/23 08:49	08/02/23 08:57	91-57-6	
Naphthalene	**15800**	ug/kg	802	78.2	40	08/01/23 08:49	08/02/23 08:57	91-20-3	
Phenanthrene	**4210**	ug/kg	802	91.9	40	08/01/23 08:49	08/02/23 08:57	85-01-8	
Pyrene	**1430**	ug/kg	802	118	40	08/01/23 08:49	08/02/23 08:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	41-98		40	08/01/23 08:49	08/02/23 08:57	321-60-8	
Terphenyl-d14 (S)	68	%	37-106		40	08/01/23 08:49	08/02/23 08:57	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**7190**	ug/kg	281	167	10	07/26/23 07:30	07/26/23 21:39	71-43-2	
Ethylbenzene	**852**	ug/kg	703	167	10	07/26/23 07:30	07/26/23 21:39	100-41-4	
Toluene	**3560**	ug/kg	703	177	10	07/26/23 07:30	07/26/23 21:39	108-88-3	
1,2,4-Trimethylbenzene	**1020**	ug/kg	703	210	10	07/26/23 07:30	07/26/23 21:39	95-63-6	
Xylene (Total)	**3180**	ug/kg	2110	508	10	07/26/23 07:30	07/26/23 21:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	118	%	68-156		10	07/26/23 07:30	07/26/23 21:39	460-00-4	D3
Toluene-d8 (S)	117	%	69-153		10	07/26/23 07:30	07/26/23 21:39	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	135	%	71-161		10	07/26/23 07:30	07/26/23 21:39	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.9**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.29**	mg/kg	0.87	0.29	1	08/02/23 10:10	08/02/23 11:48	57-12-5	

Sample: 072423018 **Lab ID: 40265613014** Collected: 07/24/23 12:58 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.7**	mg/kg	1.0	0.30	6.667	07/26/23 06:12	07/27/23 00:18	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423018 **Lab ID: 40265613014** Collected: 07/24/23 12:58 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Barium	**37.9**	mg/kg	0.99	0.30	6.667	07/26/23 06:12	07/27/23 00:18	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.76	0.11	6.667	07/26/23 06:12	07/27/23 00:18	7440-43-9	D3
Chromium	**13.0**	mg/kg	2.3	0.69	6.667	07/26/23 06:12	07/27/23 00:18	7440-47-3	
Lead	**20.9**	mg/kg	0.76	0.21	6.667	07/26/23 06:12	07/27/23 21:41	7439-92-1	
Selenium	**1.2**	mg/kg	0.76	0.21	6.667	07/26/23 06:12	07/27/23 00:18	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/26/23 06:12	07/27/23 00:18	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.040	0.011	1	08/02/23 09:47	08/03/23 11:32	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**6.8J**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 15:40	83-32-9	
Acenaphthylene	**<2.5**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 15:40	208-96-8	
Anthracene	**9.2J**	ug/kg	19.6	2.4	1	08/01/23 08:49	08/01/23 15:40	120-12-7	
Benzo(a)anthracene	**4.3J**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 15:40	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.6	2.2	1	08/01/23 08:49	08/01/23 15:40	50-32-8	
Benzo(b)fluoranthene	**<2.7**	ug/kg	19.6	2.7	1	08/01/23 08:49	08/01/23 15:40	205-99-2	
Benzo(g,h,i)perylene	**<3.4**	ug/kg	19.6	3.4	1	08/01/23 08:49	08/01/23 15:40	191-24-2	
Benzo(k)fluoranthene	**<2.5**	ug/kg	19.6	2.5	1	08/01/23 08:49	08/01/23 15:40	207-08-9	
Chrysene	**4.4J**	ug/kg	19.6	3.7	1	08/01/23 08:49	08/01/23 15:40	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.6	2.7	1	08/01/23 08:49	08/01/23 15:40	53-70-3	
Fluoranthene	**10.7J**	ug/kg	19.6	2.3	1	08/01/23 08:49	08/01/23 15:40	206-44-0	
Fluorene	**4.9J**	ug/kg	19.6	2.4	1	08/01/23 08:49	08/01/23 15:40	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.1**	ug/kg	19.6	4.1	1	08/01/23 08:49	08/01/23 15:40	193-39-5	
1-Methylnaphthalene	**6.0J**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 15:40	90-12-0	
2-Methylnaphthalene	**5.8J**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 15:40	91-57-6	
Naphthalene	**23.5**	ug/kg	19.6	1.9	1	08/01/23 08:49	08/01/23 15:40	91-20-3	
Phenanthrene	**29.6**	ug/kg	19.6	2.2	1	08/01/23 08:49	08/01/23 15:40	85-01-8	
Pyrene	**11.7J**	ug/kg	19.6	2.9	1	08/01/23 08:49	08/01/23 15:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	41-98		1	08/01/23 08:49	08/01/23 15:40	321-60-8	
Terphenyl-d14 (S)	72	%	37-106		1	08/01/23 08:49	08/01/23 15:40	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**20.7J**	ug/kg	27.1	16.1	1	07/26/23 07:30	07/26/23 19:19	71-43-2	
Ethylbenzene	**<16.1**	ug/kg	67.6	16.1	1	07/26/23 07:30	07/26/23 19:19	100-41-4	
Toluene	**<17.0**	ug/kg	67.6	17.0	1	07/26/23 07:30	07/26/23 19:19	108-88-3	
1,2,4-Trimethylbenzene	**<20.2**	ug/kg	67.6	20.2	1	07/26/23 07:30	07/26/23 19:19	95-63-6	
Xylene (Total)	**<48.8**	ug/kg	203	48.8	1	07/26/23 07:30	07/26/23 19:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	127	%	68-156		1	07/26/23 07:30	07/26/23 19:19	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423018 **Lab ID: 40265613014** Collected: 07/24/23 12:58 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	121	%	69-153		1	07/26/23 07:30	07/26/23 19:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	125	%	71-161		1	07/26/23 07:30	07/26/23 19:19	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.0**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.81J**	mg/kg	1.0	0.35	1	08/02/23 10:10	08/02/23 11:49	57-12-5	

Sample: 072423019 **Lab ID: 40265613015** Collected: 07/24/23 13:26 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.5**	mg/kg	1.1	0.32	6.667	07/26/23 06:12	07/27/23 00:24	7440-38-2	
Barium	**63.4**	mg/kg	1.1	0.32	6.667	07/26/23 06:12	07/27/23 00:24	7440-39-3	
Cadmium	**0.13J**	mg/kg	0.82	0.12	6.667	07/26/23 06:12	07/27/23 00:24	7440-43-9	D3
Chromium	**20.3**	mg/kg	2.5	0.75	6.667	07/26/23 06:12	07/27/23 00:24	7440-47-3	
Lead	**90.1**	mg/kg	0.82	0.22	6.667	07/26/23 06:12	07/27/23 21:46	7439-92-1	
Selenium	**2.2**	mg/kg	0.82	0.22	6.667	07/26/23 06:12	07/27/23 00:24	7782-49-2	
Silver	**<0.12**	mg/kg	0.41	0.12	6.667	07/26/23 06:12	07/27/23 00:24	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.044**	mg/kg	0.043	0.012	1	08/02/23 09:47	08/03/23 11:35	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<54.2**	ug/kg	418	54.2	20	08/01/23 08:49	08/01/23 19:07	83-32-9	
Acenaphthylene	**232J**	ug/kg	418	52.7	20	08/01/23 08:49	08/01/23 19:07	208-96-8	
Anthracene	**127J**	ug/kg	418	51.8	20	08/01/23 08:49	08/01/23 19:07	120-12-7	
Benzo(a)anthracene	**221J**	ug/kg	418	54.0	20	08/01/23 08:49	08/01/23 19:07	56-55-3	
Benzo(a)pyrene	**172J**	ug/kg	418	47.5	20	08/01/23 08:49	08/01/23 19:07	50-32-8	
Benzo(b)fluoranthene	**174J**	ug/kg	418	58.0	20	08/01/23 08:49	08/01/23 19:07	205-99-2	
Benzo(g,h,i)perylene	**99.2J**	ug/kg	418	73.3	20	08/01/23 08:49	08/01/23 19:07	191-24-2	
Benzo(k)fluoranthene	**75.4J**	ug/kg	418	53.4	20	08/01/23 08:49	08/01/23 19:07	207-08-9	
Chrysene	**212J**	ug/kg	418	78.8	20	08/01/23 08:49	08/01/23 19:07	218-01-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423019 **Lab ID: 40265613015** Collected: 07/24/23 13:26 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Dibenz(a,h)anthracene	**<57.8**	ug/kg	418	57.8	20	08/01/23 08:49	08/01/23 19:07	53-70-3	
Fluoranthene	**290J**	ug/kg	418	49.4	20	08/01/23 08:49	08/01/23 19:07	206-44-0	
Fluorene	**166J**	ug/kg	418	50.1	20	08/01/23 08:49	08/01/23 19:07	86-73-7	
Indeno(1,2,3-cd)pyrene	**<87.0**	ug/kg	418	87.0	20	08/01/23 08:49	08/01/23 19:07	193-39-5	
1-Methylnaphthalene	**591**	ug/kg	418	61.0	20	08/01/23 08:49	08/01/23 19:07	90-12-0	
2-Methylnaphthalene	**845**	ug/kg	418	61.1	20	08/01/23 08:49	08/01/23 19:07	91-57-6	
Naphthalene	**7110**	ug/kg	418	40.7	20	08/01/23 08:49	08/01/23 19:07	91-20-3	
Phenanthrene	**503**	ug/kg	418	47.8	20	08/01/23 08:49	08/01/23 19:07	85-01-8	
Pyrene	**324J**	ug/kg	418	61.4	20	08/01/23 08:49	08/01/23 19:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	41-98		20	08/01/23 08:49	08/01/23 19:07	321-60-8	
Terphenyl-d14 (S)	48	%	37-106		20	08/01/23 08:49	08/01/23 19:07	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**1470**	ug/kg	240	143	8	07/26/23 07:30	07/26/23 21:59	71-43-2	
Ethylbenzene	**351J**	ug/kg	600	143	8	07/26/23 07:30	07/26/23 21:59	100-41-4	
Toluene	**1330**	ug/kg	600	151	8	07/26/23 07:30	07/26/23 21:59	108-88-3	
1,2,4-Trimethylbenzene	**1200**	ug/kg	600	179	8	07/26/23 07:30	07/26/23 21:59	95-63-6	
Xylene (Total)	**2190**	ug/kg	1800	433	8	07/26/23 07:30	07/26/23 21:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	123	%	68-156		8	07/26/23 07:30	07/26/23 21:59	460-00-4	D3
Toluene-d8 (S)	118	%	69-153		8	07/26/23 07:30	07/26/23 21:59	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	119	%	71-161		8	07/26/23 07:30	07/26/23 21:59	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**20.0**	%	0.10	0.10	1		07/27/23 13:21		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**4.4**	mg/kg	1.1	0.36	1	08/02/23 10:10	08/02/23 11:50	57-12-5	

Sample: 072423020 **Lab ID: 40265613016** Collected: 07/24/23 13:30 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.4**	mg/kg	1.1	0.32	6.667	07/26/23 06:12	07/27/23 00:29	7440-38-2	
Barium	**101**	mg/kg	1.1	0.32	6.667	07/26/23 06:12	07/27/23 00:29	7440-39-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423020 **Lab ID: 40265613016** Collected: 07/24/23 13:30 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Cadmium	**<0.12**	mg/kg	0.80	0.12	6.667	07/26/23 06:12	07/27/23 00:29	7440-43-9	D3
Chromium	**36.6**	mg/kg	2.4	0.73	6.667	07/26/23 06:12	07/27/23 00:29	7440-47-3	
Lead	**7.6**	mg/kg	0.80	0.22	6.667	07/26/23 06:12	07/27/23 21:51	7439-92-1	
Selenium	**2.4**	mg/kg	0.80	0.22	6.667	07/26/23 06:12	07/27/23 00:29	7782-49-2	
Silver	**<0.11**	mg/kg	0.40	0.11	6.667	07/26/23 06:12	07/27/23 00:29	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.012**	mg/kg	0.041	0.012	1	08/02/23 09:47	08/03/23 11:37	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**3.3J**	ug/kg	21.4	2.8	1	08/01/23 08:49	08/01/23 15:57	83-32-9	
Acenaphthylene	**4.3J**	ug/kg	21.4	2.7	1	08/01/23 08:49	08/01/23 15:57	208-96-8	
Anthracene	**4.9J**	ug/kg	21.4	2.7	1	08/01/23 08:49	08/01/23 15:57	120-12-7	
Benzo(a)anthracene	**6.5J**	ug/kg	21.4	2.8	1	08/01/23 08:49	08/01/23 15:57	56-55-3	
Benzo(a)pyrene	**4.8J**	ug/kg	21.4	2.4	1	08/01/23 08:49	08/01/23 15:57	50-32-8	
Benzo(b)fluoranthene	**6.9J**	ug/kg	21.4	3.0	1	08/01/23 08:49	08/01/23 15:57	205-99-2	
Benzo(g,h,i)perylene	**5.8J**	ug/kg	21.4	3.8	1	08/01/23 08:49	08/01/23 15:57	191-24-2	
Benzo(k)fluoranthene	**3.2J**	ug/kg	21.4	2.7	1	08/01/23 08:49	08/01/23 15:57	207-08-9	
Chrysene	**7.9J**	ug/kg	21.4	4.0	1	08/01/23 08:49	08/01/23 15:57	218-01-9	
Dibenz(a,h)anthracene	**<3.0**	ug/kg	21.4	3.0	1	08/01/23 08:49	08/01/23 15:57	53-70-3	
Fluoranthene	**10.9J**	ug/kg	21.4	2.5	1	08/01/23 08:49	08/01/23 15:57	206-44-0	
Fluorene	**6.9J**	ug/kg	21.4	2.6	1	08/01/23 08:49	08/01/23 15:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.5**	ug/kg	21.4	4.5	1	08/01/23 08:49	08/01/23 15:57	193-39-5	
1-Methylnaphthalene	**25.5**	ug/kg	21.4	3.1	1	08/01/23 08:49	08/01/23 15:57	90-12-0	
2-Methylnaphthalene	**28.1**	ug/kg	21.4	3.1	1	08/01/23 08:49	08/01/23 15:57	91-57-6	
Naphthalene	**118**	ug/kg	21.4	2.1	1	08/01/23 08:49	08/01/23 15:57	91-20-3	
Phenanthrene	**26.0**	ug/kg	21.4	2.4	1	08/01/23 08:49	08/01/23 15:57	85-01-8	
Pyrene	**10.5J**	ug/kg	21.4	3.1	1	08/01/23 08:49	08/01/23 15:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	41-98		1	08/01/23 08:49	08/01/23 15:57	321-60-8	
Terphenyl-d14 (S)	58	%	37-106		1	08/01/23 08:49	08/01/23 15:57	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**31700**	ug/kg	250	148	8	07/26/23 07:30	07/27/23 11:22	71-43-2	
Ethylbenzene	**81.2**	ug/kg	78.0	18.6	1	07/26/23 07:30	07/26/23 20:39	100-41-4	
Toluene	**10500**	ug/kg	78.0	19.7	1	07/26/23 07:30	07/26/23 20:39	108-88-3	
1,2,4-Trimethylbenzene	**102**	ug/kg	78.0	23.2	1	07/26/23 07:30	07/26/23 20:39	95-63-6	
Xylene (Total)	**842**	ug/kg	234	56.3	1	07/26/23 07:30	07/26/23 20:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	123	%	68-156		1	07/26/23 07:30	07/26/23 20:39	460-00-4	
Toluene-d8 (S)	116	%	69-153		1	07/26/23 07:30	07/26/23 20:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423020 **Lab ID: 40265613016** Collected: 07/24/23 13:30 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
1,2-Dichlorobenzene-d4 (S)	121	%	71-161		1	07/26/23 07:30	07/26/23 20:39	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**21.9**	%	0.10	0.10	1		07/27/23 13:49		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.33**	mg/kg	1.0	0.33	1	08/02/23 10:10	08/02/23 11:51	57-12-5	

Sample: 072423021 **Lab ID: 40265613017** Collected: 07/24/23 14:05 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**18.0**	mg/kg	0.96	0.29	6.667	07/26/23 06:12	07/27/23 00:34	7440-38-2	
Barium	**114**	mg/kg	0.95	0.29	6.667	07/26/23 06:12	07/27/23 00:34	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.73	0.11	6.667	07/26/23 06:12	07/27/23 00:34	7440-43-9	D3
Chromium	**31.9**	mg/kg	2.2	0.66	6.667	07/26/23 06:12	07/27/23 00:34	7440-47-3	
Lead	**398**	mg/kg	2.2	0.59	20	07/26/23 06:12	07/27/23 21:56	7439-92-1	
Selenium	**1.6**	mg/kg	0.73	0.20	6.667	07/26/23 06:12	07/27/23 00:34	7782-49-2	
Silver	**0.36J**	mg/kg	0.36	0.10	6.667	07/26/23 06:12	07/27/23 00:34	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**1.7**	mg/kg	0.038	0.011	1	08/02/23 09:47	08/03/23 11:39	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<51.6**	ug/kg	397	51.6	20	08/01/23 08:49	08/02/23 09:48	83-32-9	
Acenaphthylene	**708**	ug/kg	397	50.1	20	08/01/23 08:49	08/02/23 09:48	208-96-8	
Anthracene	**327J**	ug/kg	397	49.3	20	08/01/23 08:49	08/02/23 09:48	120-12-7	
Benzo(a)anthracene	**1360**	ug/kg	397	51.4	20	08/01/23 08:49	08/02/23 09:48	56-55-3	
Benzo(a)pyrene	**1330**	ug/kg	397	45.2	20	08/01/23 08:49	08/02/23 09:48	50-32-8	
Benzo(b)fluoranthene	**3060**	ug/kg	397	55.2	20	08/01/23 08:49	08/02/23 09:48	205-99-2	
Benzo(g,h,i)perylene	**1640**	ug/kg	397	69.7	20	08/01/23 08:49	08/02/23 09:48	191-24-2	
Benzo(k)fluoranthene	**1360**	ug/kg	397	50.8	20	08/01/23 08:49	08/02/23 09:48	207-08-9	
Chrysene	**1760**	ug/kg	397	75.0	20	08/01/23 08:49	08/02/23 09:48	218-01-9	
Dibenz(a,h)anthracene	**521**	ug/kg	397	55.0	20	08/01/23 08:49	08/02/23 09:48	53-70-3	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423021 **Lab ID: 40265613017** Collected: 07/24/23 14:05 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Fluoranthene	**1680**	ug/kg	397	47.0	20	08/01/23 08:49	08/02/23 09:48	206-44-0	
Fluorene	**72.6J**	ug/kg	397	47.7	20	08/01/23 08:49	08/02/23 09:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**1520**	ug/kg	397	82.8	20	08/01/23 08:49	08/02/23 09:48	193-39-5	
1-Methylnaphthalene	**160J**	ug/kg	397	58.1	20	08/01/23 08:49	08/02/23 09:48	90-12-0	
2-Methylnaphthalene	**276J**	ug/kg	397	58.1	20	08/01/23 08:49	08/02/23 09:48	91-57-6	
Naphthalene	**854**	ug/kg	397	38.7	20	08/01/23 08:49	08/02/23 09:48	91-20-3	
Phenanthrene	**787**	ug/kg	397	45.5	20	08/01/23 08:49	08/02/23 09:48	85-01-8	
Pyrene	**1690**	ug/kg	397	58.4	20	08/01/23 08:49	08/02/23 09:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	38	%	41-98		20	08/01/23 08:49	08/02/23 09:48	321-60-8	S4
Terphenyl-d14 (S)	37	%	37-106		20	08/01/23 08:49	08/02/23 09:48	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**135**	ug/kg	27.5	16.4	1	07/26/23 07:30	07/26/23 19:39	71-43-2	
Ethylbenzene	**21.0J**	ug/kg	68.8	16.4	1	07/26/23 07:30	07/26/23 19:39	100-41-4	
Toluene	**48.6J**	ug/kg	68.8	17.4	1	07/26/23 07:30	07/26/23 19:39	108-88-3	
1,2,4-Trimethylbenzene	**<20.5**	ug/kg	68.8	20.5	1	07/26/23 07:30	07/26/23 19:39	95-63-6	
Xylene (Total)	**<49.7**	ug/kg	207	49.7	1	07/26/23 07:30	07/26/23 19:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	140	%	68-156		1	07/26/23 07:30	07/26/23 19:39	460-00-4	
Toluene-d8 (S)	130	%	69-153		1	07/26/23 07:30	07/26/23 19:39	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	135	%	71-161		1	07/26/23 07:30	07/26/23 19:39	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.9**	%	0.10	0.10	1		07/27/23 13:49		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**6.9**	mg/kg	0.95	0.32	1	08/02/23 10:10	08/02/23 11:53	57-12-5	

Sample: 072423022 **Lab ID: 40265613018** Collected: 07/24/23 14:20 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.9**	mg/kg	1.0	0.31	6.667	07/26/23 06:12	07/27/23 00:39	7440-38-2	
Barium	**5.4**	mg/kg	1.0	0.31	6.667	07/26/23 06:12	07/27/23 00:39	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.79	0.11	6.667	07/26/23 06:12	07/27/23 00:39	7440-43-9	D3

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423022 **Lab ID: 40265613018** Collected: 07/24/23 14:20 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Chromium	**4.2**	mg/kg	2.4	0.72	6.667	07/26/23 06:12	07/27/23 00:39	7440-47-3	
Lead	**1.0**	mg/kg	0.79	0.21	6.667	07/26/23 06:12	07/27/23 22:07	7439-92-1	
Selenium	**0.40J**	mg/kg	0.79	0.21	6.667	07/26/23 06:12	07/27/23 00:39	7782-49-2	D3
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/26/23 06:12	07/27/23 00:39	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.039	0.011	1	08/02/23 09:47	08/03/23 11:42	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**8.7J**	ug/kg	19.8	2.6	1	08/01/23 08:49	08/01/23 16:14	83-32-9	
Acenaphthylene	**<2.5**	ug/kg	19.8	2.5	1	08/01/23 08:49	08/01/23 16:14	208-96-8	
Anthracene	**<2.5**	ug/kg	19.8	2.5	1	08/01/23 08:49	08/01/23 16:14	120-12-7	
Benzo(a)anthracene	**<2.6**	ug/kg	19.8	2.6	1	08/01/23 08:49	08/01/23 16:14	56-55-3	
Benzo(a)pyrene	**<2.3**	ug/kg	19.8	2.3	1	08/01/23 08:49	08/01/23 16:14	50-32-8	
Benzo(b)fluoranthene	**<2.8**	ug/kg	19.8	2.8	1	08/01/23 08:49	08/01/23 16:14	205-99-2	
Benzo(g,h,i)perylene	**<3.5**	ug/kg	19.8	3.5	1	08/01/23 08:49	08/01/23 16:14	191-24-2	
Benzo(k)fluoranthene	**<2.5**	ug/kg	19.8	2.5	1	08/01/23 08:49	08/01/23 16:14	207-08-9	
Chrysene	**<3.7**	ug/kg	19.8	3.7	1	08/01/23 08:49	08/01/23 16:14	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.8	2.7	1	08/01/23 08:49	08/01/23 16:14	53-70-3	
Fluoranthene	**<2.3**	ug/kg	19.8	2.3	1	08/01/23 08:49	08/01/23 16:14	206-44-0	
Fluorene	**<2.4**	ug/kg	19.8	2.4	1	08/01/23 08:49	08/01/23 16:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.1**	ug/kg	19.8	4.1	1	08/01/23 08:49	08/01/23 16:14	193-39-5	
1-Methylnaphthalene	**<2.9**	ug/kg	19.8	2.9	1	08/01/23 08:49	08/01/23 16:14	90-12-0	
2-Methylnaphthalene	**<2.9**	ug/kg	19.8	2.9	1	08/01/23 08:49	08/01/23 16:14	91-57-6	
Naphthalene	**<1.9**	ug/kg	19.8	1.9	1	08/01/23 08:49	08/01/23 16:14	91-20-3	
Phenanthrene	**<2.3**	ug/kg	19.8	2.3	1	08/01/23 08:49	08/01/23 16:14	85-01-8	
Pyrene	**<2.9**	ug/kg	19.8	2.9	1	08/01/23 08:49	08/01/23 16:14	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	41-98		1	08/01/23 08:49	08/01/23 16:14	321-60-8	
Terphenyl-d14 (S)	78	%	37-106		1	08/01/23 08:49	08/01/23 16:14	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<16.4**	ug/kg	27.5	16.4	1	07/26/23 07:30	07/26/23 19:59	71-43-2	
Ethylbenzene	**<16.4**	ug/kg	68.7	16.4	1	07/26/23 07:30	07/26/23 19:59	100-41-4	
Toluene	**<17.3**	ug/kg	68.7	17.3	1	07/26/23 07:30	07/26/23 19:59	108-88-3	
1,2,4-Trimethylbenzene	**<20.5**	ug/kg	68.7	20.5	1	07/26/23 07:30	07/26/23 19:59	95-63-6	
Xylene (Total)	**<49.6**	ug/kg	206	49.6	1	07/26/23 07:30	07/26/23 19:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	120	%	68-156		1	07/26/23 07:30	07/26/23 19:59	460-00-4	
Toluene-d8 (S)	118	%	69-153		1	07/26/23 07:30	07/26/23 19:59	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	123	%	71-161		1	07/26/23 07:30	07/26/23 19:59	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423022 **Lab ID: 40265613018** Collected: 07/24/23 14:20 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**15.8**	%	0.10	0.10	1		07/27/23 13:49		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B								
	Pace Analytical Services - Green Bay								
Cyanide	**<0.24**	mg/kg	0.71	0.24	1	08/02/23 10:10	08/02/23 11:54	57-12-5	

Sample: 072423023 **Lab ID: 40265613019** Collected: 07/24/23 14:25 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B								
	Pace Analytical Services - Green Bay								
Arsenic	**5.8**	mg/kg	1.4	0.43	6.667	07/26/23 06:12	07/27/23 00:44	7440-38-2	
Barium	**86.2**	mg/kg	1.4	0.42	6.667	07/26/23 06:12	07/27/23 00:44	7440-39-3	
Cadmium	**0.22J**	mg/kg	1.1	0.16	6.667	07/26/23 06:12	07/27/23 00:44	7440-43-9	D3
Chromium	**43.7**	mg/kg	3.3	0.98	6.667	07/26/23 06:12	07/27/23 00:44	7440-47-3	
Lead	**9.3**	mg/kg	1.1	0.29	6.667	07/26/23 06:12	07/27/23 22:12	7439-92-1	
Selenium	**3.8**	mg/kg	1.1	0.29	6.667	07/26/23 06:12	07/27/23 00:44	7782-49-2	
Silver	**<0.15**	mg/kg	0.54	0.15	6.667	07/26/23 06:12	07/27/23 00:44	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
	Pace Analytical Services - Green Bay								
Mercury	**0.034J**	mg/kg	0.055	0.016	1	08/02/23 09:47	08/03/23 11:44	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<3.8**	ug/kg	28.9	3.8	1	08/03/23 08:07	08/03/23 11:45	83-32-9	
Acenaphthylene	**<3.6**	ug/kg	28.9	3.6	1	08/03/23 08:07	08/03/23 11:45	208-96-8	
Anthracene	**<3.6**	ug/kg	28.9	3.6	1	08/03/23 08:07	08/03/23 11:45	120-12-7	
Benzo(a)anthracene	**<3.7**	ug/kg	28.9	3.7	1	08/03/23 08:07	08/03/23 11:45	56-55-3	
Benzo(a)pyrene	**<3.3**	ug/kg	28.9	3.3	1	08/03/23 08:07	08/03/23 11:45	50-32-8	
Benzo(b)fluoranthene	**<4.0**	ug/kg	28.9	4.0	1	08/03/23 08:07	08/03/23 11:45	205-99-2	
Benzo(g,h,i)perylene	**<5.1**	ug/kg	28.9	5.1	1	08/03/23 08:07	08/03/23 11:45	191-24-2	
Benzo(k)fluoranthene	**<3.7**	ug/kg	28.9	3.7	1	08/03/23 08:07	08/03/23 11:45	207-08-9	
Chrysene	**<5.5**	ug/kg	28.9	5.5	1	08/03/23 08:07	08/03/23 11:45	218-01-9	
Dibenz(a,h)anthracene	**<4.0**	ug/kg	28.9	4.0	1	08/03/23 08:07	08/03/23 11:45	53-70-3	
Fluoranthene	**3.6J**	ug/kg	28.9	3.4	1	08/03/23 08:07	08/03/23 11:45	206-44-0	
Fluorene	**<3.5**	ug/kg	28.9	3.5	1	08/03/23 08:07	08/03/23 11:45	86-73-7	
Indeno(1,2,3-cd)pyrene	**<6.0**	ug/kg	28.9	6.0	1	08/03/23 08:07	08/03/23 11:45	193-39-5	
1-Methylnaphthalene	**<4.2**	ug/kg	28.9	4.2	1	08/03/23 08:07	08/03/23 11:45	90-12-0	
2-Methylnaphthalene	**<4.2**	ug/kg	28.9	4.2	1	08/03/23 08:07	08/03/23 11:45	91-57-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423023 **Lab ID: 40265613019** Collected: 07/24/23 14:25 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Naphthalene	**31.1**	ug/kg	28.9	2.8	1	08/03/23 08:07	08/03/23 11:45	91-20-3	
Phenanthrene	**<3.3**	ug/kg	28.9	3.3	1	08/03/23 08:07	08/03/23 11:45	85-01-8	
Pyrene	**<4.3**	ug/kg	28.9	4.3	1	08/03/23 08:07	08/03/23 11:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	41-98		1	08/03/23 08:07	08/03/23 11:45	321-60-8	
Terphenyl-d14 (S)	69	%	37-106		1	08/03/23 08:07	08/03/23 11:45	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<29.3**	ug/kg	49.2	29.3	1	07/26/23 07:45	07/28/23 01:05	71-43-2	
Ethylbenzene	**<29.3**	ug/kg	123	29.3	1	07/26/23 07:45	07/28/23 01:05	100-41-4	
Toluene	**<31.0**	ug/kg	123	31.0	1	07/26/23 07:45	07/28/23 01:05	108-88-3	
1,2,4-Trimethylbenzene	**<36.7**	ug/kg	123	36.7	1	07/26/23 07:45	07/28/23 01:05	95-63-6	
Xylene (Total)	**<88.9**	ug/kg	369	88.9	1	07/26/23 07:45	07/28/23 01:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	146	%	68-156		1	07/26/23 07:45	07/28/23 01:05	460-00-4	
Toluene-d8 (S)	136	%	69-153		1	07/26/23 07:45	07/28/23 01:05	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	146	%	71-161		1	07/26/23 07:45	07/28/23 01:05	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**42.2**	%	0.10	0.10	1		07/27/23 13:49		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**1.6**	mg/kg	1.5	0.48	1	08/02/23 10:10	08/02/23 11:55	57-12-5	

Sample: 072423024 **Lab ID: 40265613020** Collected: 07/24/23 14:35 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**5.1**	mg/kg	1.0	0.31	6.667	07/26/23 06:12	07/27/23 00:49	7440-38-2	
Barium	**64.5**	mg/kg	1.0	0.31	6.667	07/26/23 06:12	07/27/23 00:49	7440-39-3	
Cadmium	**0.14J**	mg/kg	0.78	0.11	6.667	07/26/23 06:12	07/27/23 00:49	7440-43-9	D3
Chromium	**19.7**	mg/kg	2.4	0.71	6.667	07/26/23 06:12	07/27/23 00:49	7440-47-3	
Lead	**72.7**	mg/kg	0.78	0.21	6.667	07/26/23 06:12	07/27/23 22:17	7439-92-1	
Selenium	**1.6**	mg/kg	0.78	0.21	6.667	07/26/23 06:12	07/27/23 00:49	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/26/23 06:12	07/27/23 00:49	7440-22-4	D3

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423024 **Lab ID: 40265613020** Collected: 07/24/23 14:35 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.039	0.011	1	08/02/23 09:47	08/03/23 11:58	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.6**	ug/kg	20.2	2.6	1	08/01/23 08:49	08/01/23 17:24	83-32-9	
Acenaphthylene	**<2.5**	ug/kg	20.2	2.5	1	08/01/23 08:49	08/01/23 17:24	208-96-8	
Anthracene	**10.3J**	ug/kg	20.2	2.5	1	08/01/23 08:49	08/01/23 17:24	120-12-7	
Benzo(a)anthracene	**9.6J**	ug/kg	20.2	2.6	1	08/01/23 08:49	08/01/23 17:24	56-55-3	
Benzo(a)pyrene	**5.3J**	ug/kg	20.2	2.3	1	08/01/23 08:49	08/01/23 17:24	50-32-8	
Benzo(b)fluoranthene	**10.6J**	ug/kg	20.2	2.8	1	08/01/23 08:49	08/01/23 17:24	205-99-2	
Benzo(g,h,i)perylene	**4.7J**	ug/kg	20.2	3.5	1	08/01/23 08:49	08/01/23 17:24	191-24-2	
Benzo(k)fluoranthene	**3.8J**	ug/kg	20.2	2.6	1	08/01/23 08:49	08/01/23 17:24	207-08-9	
Chrysene	**16.2J**	ug/kg	20.2	3.8	1	08/01/23 08:49	08/01/23 17:24	218-01-9	
Dibenz(a,h)anthracene	**<2.8**	ug/kg	20.2	2.8	1	08/01/23 08:49	08/01/23 17:24	53-70-3	
Fluoranthene	**27.3**	ug/kg	20.2	2.4	1	08/01/23 08:49	08/01/23 17:24	206-44-0	
Fluorene	**<2.4**	ug/kg	20.2	2.4	1	08/01/23 08:49	08/01/23 17:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.2**	ug/kg	20.2	4.2	1	08/01/23 08:49	08/01/23 17:24	193-39-5	
1-Methylnaphthalene	**7.3J**	ug/kg	20.2	2.9	1	08/01/23 08:49	08/01/23 17:24	90-12-0	
2-Methylnaphthalene	**9.7J**	ug/kg	20.2	2.9	1	08/01/23 08:49	08/01/23 17:24	91-57-6	
Naphthalene	**107**	ug/kg	20.2	2.0	1	08/01/23 08:49	08/01/23 17:24	91-20-3	
Phenanthrene	**65.7**	ug/kg	20.2	2.3	1	08/01/23 08:49	08/01/23 17:24	85-01-8	
Pyrene	**21.6**	ug/kg	20.2	3.0	1	08/01/23 08:49	08/01/23 17:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	41-98		1	08/01/23 08:49	08/01/23 17:24	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		1	08/01/23 08:49	08/01/23 17:24	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**30.4**	ug/kg	28.2	16.8	1	07/26/23 07:45	07/28/23 01:25	71-43-2	
Ethylbenzene	**<16.8**	ug/kg	70.6	16.8	1	07/26/23 07:45	07/28/23 01:25	100-41-4	
Toluene	**<17.8**	ug/kg	70.6	17.8	1	07/26/23 07:45	07/28/23 01:25	108-88-3	
1,2,4-Trimethylbenzene	**<21.0**	ug/kg	70.6	21.0	1	07/26/23 07:45	07/28/23 01:25	95-63-6	
Xylene (Total)	**<50.9**	ug/kg	212	50.9	1	07/26/23 07:45	07/28/23 01:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	117	%	68-156		1	07/26/23 07:45	07/28/23 01:25	460-00-4	
Toluene-d8 (S)	115	%	69-153		1	07/26/23 07:45	07/28/23 01:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	118	%	71-161		1	07/26/23 07:45	07/28/23 01:25	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.1**	%	0.10	0.10	1		07/27/23 13:49		

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423024 **Lab ID: 40265613020** Collected: 07/24/23 14:35 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.35J**	mg/kg	0.91	0.30	1	08/02/23 10:10	08/02/23 11:55	57-12-5	

Sample: 072423025 **Lab ID: 40265613021** Collected: 07/24/23 14:42 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.7**	mg/kg	1.1	0.32	6.667	07/26/23 05:55	07/27/23 16:20	7440-38-2	
Barium	**70.0**	mg/kg	1.0	0.32	6.667	07/26/23 05:55	07/27/23 16:20	7440-39-3	M0
Cadmium	**0.18J**	mg/kg	0.80	0.12	6.667	07/26/23 05:55	07/27/23 16:20	7440-43-9	D3
Chromium	**21.6**	mg/kg	2.4	0.73	6.667	07/26/23 05:55	07/27/23 16:20	7440-47-3	
Lead	**69.9**	mg/kg	0.80	0.22	6.667	07/26/23 05:55	07/27/23 16:20	7439-92-1	
Selenium	**2.0**	mg/kg	0.80	0.22	6.667	07/26/23 05:55	07/27/23 16:20	7782-49-2	
Silver	**<0.11**	mg/kg	0.40	0.11	6.667	07/26/23 05:55	07/27/23 16:20	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.039	0.011	1	08/02/23 09:47	08/03/23 12:01	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.6**	ug/kg	20.2	2.6	1	08/01/23 08:49	08/01/23 17:41	83-32-9	
Acenaphthylene	**<2.5**	ug/kg	20.2	2.5	1	08/01/23 08:49	08/01/23 17:41	208-96-8	
Anthracene	**14.4J**	ug/kg	20.2	2.5	1	08/01/23 08:49	08/01/23 17:41	120-12-7	
Benzo(a)anthracene	**21.4**	ug/kg	20.2	2.6	1	08/01/23 08:49	08/01/23 17:41	56-55-3	
Benzo(a)pyrene	**14.0J**	ug/kg	20.2	2.3	1	08/01/23 08:49	08/01/23 17:41	50-32-8	
Benzo(b)fluoranthene	**24.2**	ug/kg	20.2	2.8	1	08/01/23 08:49	08/01/23 17:41	205-99-2	
Benzo(g,h,i)perylene	**11.0J**	ug/kg	20.2	3.5	1	08/01/23 08:49	08/01/23 17:41	191-24-2	
Benzo(k)fluoranthene	**10.1J**	ug/kg	20.2	2.6	1	08/01/23 08:49	08/01/23 17:41	207-08-9	
Chrysene	**31.3**	ug/kg	20.2	3.8	1	08/01/23 08:49	08/01/23 17:41	218-01-9	
Dibenz(a,h)anthracene	**<2.8**	ug/kg	20.2	2.8	1	08/01/23 08:49	08/01/23 17:41	53-70-3	
Fluoranthene	**38.1**	ug/kg	20.2	2.4	1	08/01/23 08:49	08/01/23 17:41	206-44-0	
Fluorene	**2.9J**	ug/kg	20.2	2.4	1	08/01/23 08:49	08/01/23 17:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**8.7J**	ug/kg	20.2	4.2	1	08/01/23 08:49	08/01/23 17:41	193-39-5	
1-Methylnaphthalene	**5.8J**	ug/kg	20.2	3.0	1	08/01/23 08:49	08/01/23 17:41	90-12-0	
2-Methylnaphthalene	**8.4J**	ug/kg	20.2	3.0	1	08/01/23 08:49	08/01/23 17:41	91-57-6	
Naphthalene	**88.2**	ug/kg	20.2	2.0	1	08/01/23 08:49	08/01/23 17:41	91-20-3	
Phenanthrene	**60.0**	ug/kg	20.2	2.3	1	08/01/23 08:49	08/01/23 17:41	85-01-8	
Pyrene	**34.0**	ug/kg	20.2	3.0	1	08/01/23 08:49	08/01/23 17:41	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423025 **Lab ID: 40265613021** Collected: 07/24/23 14:42 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Surrogates									
2-Fluorobiphenyl (S)	44	%	41-98		1	08/01/23 08:49	08/01/23 17:41	321-60-8	
Terphenyl-d14 (S)	51	%	37-106		1	08/01/23 08:49	08/01/23 17:41	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**174**	ug/kg	28.4	16.9	1	07/26/23 07:45	07/28/23 01:45	71-43-2	
Ethylbenzene	**<16.9**	ug/kg	71.0	16.9	1	07/26/23 07:45	07/28/23 01:45	100-41-4	
Toluene	**21.7J**	ug/kg	71.0	17.9	1	07/26/23 07:45	07/28/23 01:45	108-88-3	
1,2,4-Trimethylbenzene	**<21.2**	ug/kg	71.0	21.2	1	07/26/23 07:45	07/28/23 01:45	95-63-6	
Xylene (Total)	**<51.3**	ug/kg	213	51.3	1	07/26/23 07:45	07/28/23 01:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	131	%	68-156		1	07/26/23 07:45	07/28/23 01:45	460-00-4	
Toluene-d8 (S)	125	%	69-153		1	07/26/23 07:45	07/28/23 01:45	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	128	%	71-161		1	07/26/23 07:45	07/28/23 01:45	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.4**	%	0.10	0.10	1		07/27/23 13:49		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.94J**	mg/kg	1.0	0.34	1	08/02/23 10:10	08/02/23 12:00	57-12-5	

Sample: 072423026 **Lab ID: 40265613022** Collected: 07/24/23 14:47 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.8**	mg/kg	1.0	0.30	6.667	07/26/23 05:55	07/27/23 16:41	7440-38-2	
Barium	**70.9**	mg/kg	1.0	0.30	6.667	07/26/23 05:55	07/27/23 16:41	7440-39-3	
Cadmium	**0.18J**	mg/kg	0.76	0.11	6.667	07/26/23 05:55	07/27/23 16:41	7440-43-9	D3
Chromium	**23.0**	mg/kg	2.3	0.69	6.667	07/26/23 05:55	07/27/23 16:41	7440-47-3	
Lead	**58.9**	mg/kg	0.76	0.21	6.667	07/26/23 05:55	07/27/23 16:41	7439-92-1	
Selenium	**1.9**	mg/kg	0.76	0.21	6.667	07/26/23 05:55	07/27/23 16:41	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/26/23 05:55	07/27/23 16:41	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.040	0.011	1	08/02/23 09:47	08/03/23 12:03	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423026 **Lab ID: 40265613022** Collected: 07/24/23 14:47 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<53.0**	ug/kg	409	53.0	20	08/01/23 08:49	08/02/23 10:06	83-32-9	
Acenaphthylene	**92.3J**	ug/kg	409	51.5	20	08/01/23 08:49	08/02/23 10:06	208-96-8	
Anthracene	**78.3J**	ug/kg	409	50.7	20	08/01/23 08:49	08/02/23 10:06	120-12-7	
Benzo(a)anthracene	**158J**	ug/kg	409	52.8	20	08/01/23 08:49	08/02/23 10:06	56-55-3	
Benzo(a)pyrene	**109J**	ug/kg	409	46.4	20	08/01/23 08:49	08/02/23 10:06	50-32-8	
Benzo(b)fluoranthene	**216J**	ug/kg	409	56.8	20	08/01/23 08:49	08/02/23 10:06	205-99-2	
Benzo(g,h,i)perylene	**91.7J**	ug/kg	409	71.7	20	08/01/23 08:49	08/02/23 10:06	191-24-2	
Benzo(k)fluoranthene	**83.8J**	ug/kg	409	52.3	20	08/01/23 08:49	08/02/23 10:06	207-08-9	
Chrysene	**199J**	ug/kg	409	77.1	20	08/01/23 08:49	08/02/23 10:06	218-01-9	
Dibenz(a,h)anthracene	**<56.6**	ug/kg	409	56.6	20	08/01/23 08:49	08/02/23 10:06	53-70-3	
Fluoranthene	**296J**	ug/kg	409	48.4	20	08/01/23 08:49	08/02/23 10:06	206-44-0	
Fluorene	**<49.0**	ug/kg	409	49.0	20	08/01/23 08:49	08/02/23 10:06	86-73-7	
Indeno(1,2,3-cd)pyrene	**<85.2**	ug/kg	409	85.2	20	08/01/23 08:49	08/02/23 10:06	193-39-5	
1-Methylnaphthalene	**548**	ug/kg	409	59.7	20	08/01/23 08:49	08/02/23 10:06	90-12-0	
2-Methylnaphthalene	**601**	ug/kg	409	59.8	20	08/01/23 08:49	08/02/23 10:06	91-57-6	
Naphthalene	**7840**	ug/kg	409	39.8	20	08/01/23 08:49	08/02/23 10:06	91-20-3	
Phenanthrene	**299J**	ug/kg	409	46.8	20	08/01/23 08:49	08/02/23 10:06	85-01-8	
Pyrene	**253J**	ug/kg	409	60.1	20	08/01/23 08:49	08/02/23 10:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	44	%	41-98		20	08/01/23 08:49	08/02/23 10:06	321-60-8	
Terphenyl-d14 (S)	43	%	37-106		20	08/01/23 08:49	08/02/23 10:06	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**195**	ug/kg	28.9	17.2	1	07/26/23 07:45	07/28/23 02:05	71-43-2	
Ethylbenzene	**<17.2**	ug/kg	72.3	17.2	1	07/26/23 07:45	07/28/23 02:05	100-41-4	
Toluene	**<18.2**	ug/kg	72.3	18.2	1	07/26/23 07:45	07/28/23 02:05	108-88-3	
1,2,4-Trimethylbenzene	**<21.6**	ug/kg	72.3	21.6	1	07/26/23 07:45	07/28/23 02:05	95-63-6	
Xylene (Total)	**<52.2**	ug/kg	217	52.2	1	07/26/23 07:45	07/28/23 02:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	129	%	68-156		1	07/26/23 07:45	07/28/23 02:05	460-00-4	
Toluene-d8 (S)	124	%	69-153		1	07/26/23 07:45	07/28/23 02:05	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	125	%	71-161		1	07/26/23 07:45	07/28/23 02:05	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.3**	%	0.10	0.10	1		07/27/23 13:50		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.88J**	mg/kg	1.1	0.37	1	08/02/23 10:10	08/02/23 12:02	57-12-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423027 **Lab ID: 40265613023** Collected: 07/24/23 14:52 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.5**	mg/kg	1.0	0.30	6.667	07/26/23 05:55	07/27/23 16:51	7440-38-2	
Barium	**72.7**	mg/kg	1.0	0.30	6.667	07/26/23 05:55	07/27/23 16:51	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.77	0.11	6.667	07/26/23 05:55	07/27/23 16:51	7440-43-9	D3
Chromium	**30.2**	mg/kg	2.3	0.70	6.667	07/26/23 05:55	07/27/23 16:51	7440-47-3	
Lead	**6.9**	mg/kg	0.77	0.21	6.667	07/26/23 05:55	07/27/23 16:51	7439-92-1	
Selenium	**2.8**	mg/kg	0.77	0.21	6.667	07/26/23 05:55	07/27/23 16:51	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/26/23 05:55	07/27/23 16:51	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.011J**	mg/kg	0.038	0.011	1	08/02/23 09:47	08/03/23 12:05	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**105J**	ug/kg	804	104	40	08/01/23 08:49	08/02/23 09:14	83-32-9	
Acenaphthylene	**210J**	ug/kg	804	101	40	08/01/23 08:49	08/02/23 09:14	208-96-8	
Anthracene	**324J**	ug/kg	804	99.8	40	08/01/23 08:49	08/02/23 09:14	120-12-7	
Benzo(a)anthracene	**<104**	ug/kg	804	104	40	08/01/23 08:49	08/02/23 09:14	56-55-3	
Benzo(a)pyrene	**<91.3**	ug/kg	804	91.3	40	08/01/23 08:49	08/02/23 09:14	50-32-8	
Benzo(b)fluoranthene	**<112**	ug/kg	804	112	40	08/01/23 08:49	08/02/23 09:14	205-99-2	
Benzo(g,h,i)perylene	**<141**	ug/kg	804	141	40	08/01/23 08:49	08/02/23 09:14	191-24-2	
Benzo(k)fluoranthene	**<103**	ug/kg	804	103	40	08/01/23 08:49	08/02/23 09:14	207-08-9	
Chrysene	**<152**	ug/kg	804	152	40	08/01/23 08:49	08/02/23 09:14	218-01-9	
Dibenz(a,h)anthracene	**<111**	ug/kg	804	111	40	08/01/23 08:49	08/02/23 09:14	53-70-3	
Fluoranthene	**<95.1**	ug/kg	804	95.1	40	08/01/23 08:49	08/02/23 09:14	206-44-0	
Fluorene	**442J**	ug/kg	804	96.4	40	08/01/23 08:49	08/02/23 09:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**<168**	ug/kg	804	168	40	08/01/23 08:49	08/02/23 09:14	193-39-5	
1-Methylnaphthalene	**1690**	ug/kg	804	117	40	08/01/23 08:49	08/02/23 09:14	90-12-0	
2-Methylnaphthalene	**2510**	ug/kg	804	118	40	08/01/23 08:49	08/02/23 09:14	91-57-6	
Naphthalene	**18000**	ug/kg	804	78.3	40	08/01/23 08:49	08/02/23 09:14	91-20-3	
Phenanthrene	**1170**	ug/kg	804	92.1	40	08/01/23 08:49	08/02/23 09:14	85-01-8	
Pyrene	**<118**	ug/kg	804	118	40	08/01/23 08:49	08/02/23 09:14	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	41-98		40	08/01/23 08:49	08/02/23 09:14	321-60-8	
Terphenyl-d14 (S)	55	%	37-106		40	08/01/23 08:49	08/02/23 09:14	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**10700**	ug/kg	2250	1340	80	07/26/23 07:45	07/28/23 05:26	71-43-2	
Ethylbenzene	**3110J**	ug/kg	5640	1340	80	07/26/23 07:45	07/28/23 05:26	100-41-4	
Toluene	**<1420**	ug/kg	5640	1420	80	07/26/23 07:45	07/28/23 05:26	108-88-3	
1,2,4-Trimethylbenzene	**3850J**	ug/kg	5640	1680	80	07/26/23 07:45	07/28/23 05:26	95-63-6	
Xylene (Total)	**9050J**	ug/kg	16900	4070	80	07/26/23 07:45	07/28/23 05:26	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423027 **Lab ID: 40265613023** Collected: 07/24/23 14:52 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	152	%	68-156		80	07/26/23 07:45	07/28/23 05:26	460-00-4	D3,S4
Toluene-d8 (S)	87	%	69-153		80	07/26/23 07:45	07/28/23 05:26	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	201	%	71-161		80	07/26/23 07:45	07/28/23 05:26	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.0**	%	0.10	0.10	1		07/27/23 13:50		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.31**	mg/kg	0.93	0.31	1	08/02/23 10:10	08/02/23 12:03	57-12-5	

Sample: 072423028 **Lab ID: 40265613024** Collected: 07/24/23 15:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.4**	mg/kg	0.94	0.28	6.667	07/26/23 05:55	07/27/23 16:56	7440-38-2	
Barium	**37.9**	mg/kg	0.93	0.28	6.667	07/26/23 05:55	07/27/23 16:56	7440-39-3	
Cadmium	**<0.10**	mg/kg	0.71	0.10	6.667	07/26/23 05:55	07/27/23 16:56	7440-43-9	D3
Chromium	**11.4**	mg/kg	2.2	0.65	6.667	07/26/23 05:55	07/27/23 16:56	7440-47-3	
Lead	**30.4**	mg/kg	0.71	0.19	6.667	07/26/23 05:55	07/27/23 16:56	7439-92-1	
Selenium	**0.96**	mg/kg	0.71	0.19	6.667	07/26/23 05:55	07/27/23 16:56	7782-49-2	
Silver	**<0.10**	mg/kg	0.35	0.10	6.667	07/26/23 05:55	07/27/23 16:56	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.037	0.011	1	08/02/23 09:47	08/03/23 12:08	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**14.5J**	ug/kg	18.2	2.4	1	08/01/23 08:49	08/02/23 14:52	83-32-9	
Acenaphthylene	**11.2J**	ug/kg	18.2	2.3	1	08/01/23 08:49	08/02/23 14:52	208-96-8	
Anthracene	**56.6**	ug/kg	18.2	2.3	1	08/01/23 08:49	08/02/23 14:52	120-12-7	
Benzo(a)anthracene	**104**	ug/kg	18.2	2.4	1	08/01/23 08:49	08/02/23 14:52	56-55-3	
Benzo(a)pyrene	**96.3**	ug/kg	18.2	2.1	1	08/01/23 08:49	08/02/23 14:52	50-32-8	
Benzo(b)fluoranthene	**168**	ug/kg	18.2	2.5	1	08/01/23 08:49	08/02/23 14:52	205-99-2	
Benzo(g,h,i)perylene	**94.9**	ug/kg	18.2	3.2	1	08/01/23 08:49	08/02/23 14:52	191-24-2	
Benzo(k)fluoranthene	**58.8**	ug/kg	18.2	2.3	1	08/01/23 08:49	08/02/23 14:52	207-08-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423028 **Lab ID: 40265613024** Collected: 07/24/23 15:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Chrysene	**134**	ug/kg	18.2	3.4	1	08/01/23 08:49	08/02/23 14:52	218-01-9	
Dibenz(a,h)anthracene	**27.7**	ug/kg	18.2	2.5	1	08/01/23 08:49	08/02/23 14:52	53-70-3	
Fluoranthene	**190**	ug/kg	18.2	2.2	1	08/01/23 08:49	08/02/23 14:52	206-44-0	
Fluorene	**22.2**	ug/kg	18.2	2.2	1	08/01/23 08:49	08/02/23 14:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**72.7**	ug/kg	18.2	3.8	1	08/01/23 08:49	08/02/23 14:52	193-39-5	
1-Methylnaphthalene	**85.3**	ug/kg	18.2	2.7	1	08/01/23 08:49	08/02/23 14:52	90-12-0	
2-Methylnaphthalene	**88.6**	ug/kg	18.2	2.7	1	08/01/23 08:49	08/02/23 14:52	91-57-6	
Naphthalene	**597**	ug/kg	18.2	1.8	1	08/01/23 08:49	08/02/23 14:52	91-20-3	
Phenanthrene	**274**	ug/kg	18.2	2.1	1	08/01/23 08:49	08/02/23 14:52	85-01-8	
Pyrene	**165**	ug/kg	18.2	2.7	1	08/01/23 08:49	08/02/23 14:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%	41-98		1	08/01/23 08:49	08/02/23 14:52	321-60-8	
Terphenyl-d14 (S)	76	%	37-106		1	08/01/23 08:49	08/02/23 14:52	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**57.4**	ug/kg	23.6	14.0	1	07/26/23 07:45	07/28/23 09:38	71-43-2	
Ethylbenzene	**<14.0**	ug/kg	58.9	14.0	1	07/26/23 07:45	07/28/23 09:38	100-41-4	
Toluene	**<14.8**	ug/kg	58.9	14.8	1	07/26/23 07:45	07/28/23 09:38	108-88-3	
1,2,4-Trimethylbenzene	**<17.5**	ug/kg	58.9	17.5	1	07/26/23 07:45	07/28/23 09:38	95-63-6	
Xylene (Total)	**<42.5**	ug/kg	177	42.5	1	07/26/23 07:45	07/28/23 09:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	109	%	68-156		1	07/26/23 07:45	07/28/23 09:38	460-00-4	
Toluene-d8 (S)	101	%	69-153		1	07/26/23 07:45	07/28/23 09:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	108	%	71-161		1	07/26/23 07:45	07/28/23 09:38	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**8.2**	%	0.10	0.10	1		07/27/23 13:50		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.26**	mg/kg	0.78	0.26	1	08/02/23 10:10	08/02/23 12:04	57-12-5	

Sample: 072423029 **Lab ID: 40265613025** Collected: 07/24/23 15:10 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.3**	mg/kg	1.0	0.31	6.667	07/26/23 05:55	07/27/23 17:01	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423029 **Lab ID: 40265613025** Collected: 07/24/23 15:10 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Barium	**62.8**	mg/kg	1.0	0.31	6.667	07/26/23 05:55	07/27/23 17:01	7440-39-3	
Cadmium	**0.16J**	mg/kg	0.78	0.11	6.667	07/26/23 05:55	07/27/23 17:01	7440-43-9	D3
Chromium	**20.1**	mg/kg	2.4	0.71	6.667	07/26/23 05:55	07/27/23 17:01	7440-47-3	
Lead	**58.9**	mg/kg	0.78	0.21	6.667	07/26/23 05:55	07/27/23 17:01	7439-92-1	
Selenium	**1.8**	mg/kg	0.78	0.21	6.667	07/26/23 05:55	07/27/23 17:01	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/26/23 05:55	07/27/23 17:01	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.037	0.011	1	08/02/23 09:47	08/03/23 12:10	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**23.5J**	ug/kg	98.2	12.7	5	08/01/23 08:49	08/02/23 14:35	83-32-9	
Acenaphthylene	**<12.4**	ug/kg	98.2	12.4	5	08/01/23 08:49	08/02/23 14:35	208-96-8	
Anthracene	**253**	ug/kg	98.2	12.2	5	08/01/23 08:49	08/02/23 14:35	120-12-7	
Benzo(a)anthracene	**770**	ug/kg	98.2	12.7	5	08/01/23 08:49	08/02/23 14:35	56-55-3	
Benzo(a)pyrene	**1040**	ug/kg	98.2	11.2	5	08/01/23 08:49	08/02/23 14:35	50-32-8	
Benzo(b)fluoranthene	**1190**	ug/kg	98.2	13.6	5	08/01/23 08:49	08/02/23 14:35	205-99-2	
Benzo(g,h,i)perylene	**928**	ug/kg	98.2	17.2	5	08/01/23 08:49	08/02/23 14:35	191-24-2	
Benzo(k)fluoranthene	**472**	ug/kg	98.2	12.5	5	08/01/23 08:49	08/02/23 14:35	207-08-9	
Chrysene	**760**	ug/kg	98.2	18.5	5	08/01/23 08:49	08/02/23 14:35	218-01-9	
Dibenz(a,h)anthracene	**230**	ug/kg	98.2	13.6	5	08/01/23 08:49	08/02/23 14:35	53-70-3	
Fluoranthene	**987**	ug/kg	98.2	11.6	5	08/01/23 08:49	08/02/23 14:35	206-44-0	
Fluorene	**81.4J**	ug/kg	98.2	11.8	5	08/01/23 08:49	08/02/23 14:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**716**	ug/kg	98.2	20.5	5	08/01/23 08:49	08/02/23 14:35	193-39-5	
1-Methylnaphthalene	**119**	ug/kg	98.2	14.3	5	08/01/23 08:49	08/02/23 14:35	90-12-0	
2-Methylnaphthalene	**146**	ug/kg	98.2	14.4	5	08/01/23 08:49	08/02/23 14:35	91-57-6	
Naphthalene	**660**	ug/kg	98.2	9.6	5	08/01/23 08:49	08/02/23 14:35	91-20-3	
Phenanthrene	**1040**	ug/kg	98.2	11.2	5	08/01/23 08:49	08/02/23 14:35	85-01-8	
Pyrene	**834**	ug/kg	98.2	14.4	5	08/01/23 08:49	08/02/23 14:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	41-98		5	08/01/23 08:49	08/02/23 14:35	321-60-8	
Terphenyl-d14 (S)	62	%	37-106		5	08/01/23 08:49	08/02/23 14:35	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**133**	ug/kg	27.0	16.1	1	07/26/23 07:45	07/28/23 02:25	71-43-2	
Ethylbenzene	**<16.1**	ug/kg	67.5	16.1	1	07/26/23 07:45	07/28/23 02:25	100-41-4	
Toluene	**49.9J**	ug/kg	67.5	17.0	1	07/26/23 07:45	07/28/23 02:25	108-88-3	
1,2,4-Trimethylbenzene	**<20.1**	ug/kg	67.5	20.1	1	07/26/23 07:45	07/28/23 02:25	95-63-6	
Xylene (Total)	**<48.7**	ug/kg	202	48.7	1	07/26/23 07:45	07/28/23 02:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	135	%	68-156		1	07/26/23 07:45	07/28/23 02:25	460-00-4	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423029 **Lab ID: 40265613025** Collected: 07/24/23 15:10 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	130	%	69-153		1	07/26/23 07:45	07/28/23 02:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	133	%	71-161		1	07/26/23 07:45	07/28/23 02:25	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.9**	%	0.10	0.10	1		07/27/23 13:50		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**2.0**	mg/kg	0.93	0.31	1	08/02/23 10:10	08/02/23 12:04	57-12-5	

Sample: 072423030 **Lab ID: 40265613026** Collected: 07/24/23 15:15 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.4**	mg/kg	0.98	0.29	6.667	07/26/23 05:55	07/27/23 17:06	7440-38-2	
Barium	**136**	mg/kg	0.97	0.29	6.667	07/26/23 05:55	07/27/23 17:06	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.74	0.11	6.667	07/26/23 05:55	07/27/23 17:06	7440-43-9	D3
Chromium	**32.3**	mg/kg	2.3	0.68	6.667	07/26/23 05:55	07/27/23 17:06	7440-47-3	
Lead	**7.1**	mg/kg	0.74	0.20	6.667	07/26/23 05:55	07/27/23 17:06	7439-92-1	
Selenium	**3.4**	mg/kg	0.74	0.20	6.667	07/26/23 05:55	07/27/23 17:06	7782-49-2	
Silver	**<0.11**	mg/kg	0.37	0.11	6.667	07/26/23 05:55	07/27/23 17:06	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.040	0.011	1	08/02/23 09:47	08/03/23 12:12	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<65.0**	ug/kg	501	65.0	25	08/01/23 08:49	08/02/23 09:31	83-32-9	
Acenaphthylene	**<63.2**	ug/kg	501	63.2	25	08/01/23 08:49	08/02/23 09:31	208-96-8	
Anthracene	**<62.2**	ug/kg	501	62.2	25	08/01/23 08:49	08/02/23 09:31	120-12-7	
Benzo(a)anthracene	**<64.8**	ug/kg	501	64.8	25	08/01/23 08:49	08/02/23 09:31	56-55-3	
Benzo(a)pyrene	**<57.0**	ug/kg	501	57.0	25	08/01/23 08:49	08/02/23 09:31	50-32-8	
Benzo(b)fluoranthene	**<69.6**	ug/kg	501	69.6	25	08/01/23 08:49	08/02/23 09:31	205-99-2	
Benzo(g,h,i)perylene	**<88.0**	ug/kg	501	88.0	25	08/01/23 08:49	08/02/23 09:31	191-24-2	
Benzo(k)fluoranthene	**<64.1**	ug/kg	501	64.1	25	08/01/23 08:49	08/02/23 09:31	207-08-9	
Chrysene	**<94.5**	ug/kg	501	94.5	25	08/01/23 08:49	08/02/23 09:31	218-01-9	

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423030 **Lab ID: 40265613026** Collected: 07/24/23 15:15 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Dibenz(a,h)anthracene	**<69.4**	ug/kg	501	69.4	25	08/01/23 08:49	08/02/23 09:31	53-70-3	
Fluoranthene	**<59.3**	ug/kg	501	59.3	25	08/01/23 08:49	08/02/23 09:31	206-44-0	
Fluorene	**150J**	ug/kg	501	60.1	25	08/01/23 08:49	08/02/23 09:31	86-73-7	
Indeno(1,2,3-cd)pyrene	**<104**	ug/kg	501	104	25	08/01/23 08:49	08/02/23 09:31	193-39-5	
1-Methylnaphthalene	**540**	ug/kg	501	73.2	25	08/01/23 08:49	08/02/23 09:31	90-12-0	
2-Methylnaphthalene	**965**	ug/kg	501	73.3	25	08/01/23 08:49	08/02/23 09:31	91-57-6	
Naphthalene	**9400**	ug/kg	501	48.8	25	08/01/23 08:49	08/02/23 09:31	91-20-3	
Phenanthrene	**204J**	ug/kg	501	57.4	25	08/01/23 08:49	08/02/23 09:31	85-01-8	
Pyrene	**<73.7**	ug/kg	501	73.7	25	08/01/23 08:49	08/02/23 09:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	41-98		25	08/01/23 08:49	08/02/23 09:31	321-60-8	
Terphenyl-d14 (S)	54	%	37-106		25	08/01/23 08:49	08/02/23 09:31	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**8420**	ug/kg	224	133	8	07/26/23 07:45	07/28/23 06:26	71-43-2	
Ethylbenzene	**756**	ug/kg	559	133	8	07/26/23 07:45	07/28/23 06:26	100-41-4	
Toluene	**1820**	ug/kg	559	141	8	07/26/23 07:45	07/28/23 06:26	108-88-3	
1,2,4-Trimethylbenzene	**2110**	ug/kg	559	167	8	07/26/23 07:45	07/28/23 06:26	95-63-6	
Xylene (Total)	**6350**	ug/kg	1680	404	8	07/26/23 07:45	07/28/23 06:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	111	%	68-156		8	07/26/23 07:45	07/28/23 06:26	460-00-4	D3
Toluene-d8 (S)	108	%	69-153		8	07/26/23 07:45	07/28/23 06:26	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	109	%	71-161		8	07/26/23 07:45	07/28/23 06:26	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.6**	%	0.10	0.10	1		07/27/23 13:50		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.32**	mg/kg	0.95	0.32	1	08/02/23 10:10	08/02/23 12:05	57-12-5	

Sample: 072423031 **Lab ID: 40265613027** Collected: 07/24/23 00:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<11.9**	ug/kg	20.0	11.9	1	07/26/23 07:45	07/28/23 00:24	71-43-2	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	07/26/23 07:45	07/28/23 00:24	100-41-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Sample: 072423031 **Lab ID: 40265613027** Collected: 07/24/23 00:00 Received: 07/25/23 07:37 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Toluene	**<12.6**	ug/kg	50.0	12.6	1	07/26/23 07:45	07/28/23 00:24	108-88-3	
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	07/26/23 07:45	07/28/23 00:24	95-63-6	
Xylene (Total)	**<36.1**	ug/kg	150	36.1	1	07/26/23 07:45	07/28/23 00:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	68-156		1	07/26/23 07:45	07/28/23 00:24	460-00-4	
Toluene-d8 (S)	96	%	69-153		1	07/26/23 07:45	07/28/23 00:24	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	71-161		1	07/26/23 07:45	07/28/23 00:24	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 451133
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013

METHOD BLANK: 2592125 Matrix: Solid
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	08/03/23 09:57	

LABORATORY CONTROL SAMPLE: 2592126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.87	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592127 2592128

Parameter	Units	40265613011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.012	0.98	0.98	1.1	1.0	108	104	85-115	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 451134
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613014, 40265613015, 40265613016, 40265613017, 40265613018, 40265613019, 40265613020, 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

METHOD BLANK: 2592129 Matrix: Solid
Associated Lab Samples: 40265613014, 40265613015, 40265613016, 40265613017, 40265613018, 40265613019, 40265613020, 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	08/03/23 11:05	

LABORATORY CONTROL SAMPLE: 2592130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.87	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592131 2592132

Parameter	Units	40265653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.011	0.95	0.94	1.0	1.0	107	109	85-115	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 450635
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015, 40265613016, 40265613017, 40265613018, 40265613019, 40265613020

METHOD BLANK: 2589057 Matrix: Solid
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015, 40265613016, 40265613017, 40265613018, 40265613019, 40265613020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.040	0.13	07/26/23 22:20	
Barium	mg/kg	<0.039	0.13	07/26/23 22:20	
Cadmium	mg/kg	<0.015	0.10	07/26/23 22:20	
Chromium	mg/kg	<0.091	0.30	07/26/23 22:20	
Lead	mg/kg	<0.027	0.10	07/27/23 19:42	
Selenium	mg/kg	<0.027	0.10	07/26/23 22:20	
Silver	mg/kg	<0.014	0.050	07/26/23 22:20	

LABORATORY CONTROL SAMPLE: 2589058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	26.3	105	80-120	
Barium	mg/kg	25	25.0	100	80-120	
Cadmium	mg/kg	25	25.8	103	80-120	
Chromium	mg/kg	25	24.7	99	80-120	
Lead	mg/kg	25	25.0	100	80-120	
Selenium	mg/kg	25	26.8	107	80-120	
Silver	mg/kg	12.5	12.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589059 2589060

Parameter	Units	40265613011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.9	29.2	29.2	33.8	34.7	102	106	75-125	3	20	
Barium	mg/kg	55.1	29.2	29.2	120	107	221	179	75-125	11	20	M0
Cadmium	mg/kg	0.15J	29.2	29.2	29.3	29.6	100	101	75-125	1	20	
Chromium	mg/kg	17.9	29.2	29.2	53.1	52.0	121	117	75-125	2	20	
Lead	mg/kg	65.3	29.2	29.2	89.2	105	82	135	75-125	16	20	M0
Selenium	mg/kg	1.6	29.2	29.2	31.2	31.4	101	102	75-125	1	20	
Silver	mg/kg	<0.11	14.6	14.6	13.9	14.1	95	96	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 450637
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

METHOD BLANK: 2589064 Matrix: Solid
Associated Lab Samples: 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.040	0.13	07/27/23 15:59	
Barium	mg/kg	<0.039	0.13	07/27/23 15:59	
Cadmium	mg/kg	<0.015	0.10	07/27/23 15:59	
Chromium	mg/kg	<0.091	0.30	07/27/23 15:59	
Lead	mg/kg	<0.027	0.10	07/27/23 15:59	
Selenium	mg/kg	<0.027	0.10	07/27/23 15:59	
Silver	mg/kg	<0.014	0.050	07/27/23 15:59	

LABORATORY CONTROL SAMPLE: 2589065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	26.3	105	80-120	
Barium	mg/kg	25	25.1	100	80-120	
Cadmium	mg/kg	25	27.2	109	80-120	
Chromium	mg/kg	25	26.0	104	80-120	
Lead	mg/kg	25	25.6	103	80-120	
Selenium	mg/kg	25	27.1	108	80-120	
Silver	mg/kg	12.5	12.9	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589066 2589067

Parameter	Units	40265613021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	4.7	30.3	30.3	35.9	36.1	103	104	75-125	1	20	
Barium	mg/kg	70.0	30.3	30.3	110	116	133	153	75-125	5	20	M0
Cadmium	mg/kg	0.18J	30.3	30.3	32.4	33.3	107	110	75-125	3	20	
Chromium	mg/kg	21.6	30.3	30.3	52.7	56.0	103	114	75-125	6	20	
Lead	mg/kg	69.9	30.3	30.3	97.7	93.8	92	79	75-125	4	20	
Selenium	mg/kg	2.0	30.3	30.3	33.3	33.8	104	105	75-125	1	20	
Silver	mg/kg	<0.11	15.1	15.1	14.9	15.2	98	100	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 450668
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015, 40265613016, 40265613017, 40265613018

METHOD BLANK: 2589151 Matrix: Solid
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015, 40265613016, 40265613017, 40265613018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	07/26/23 12:15	
Benzene	ug/kg	<11.9	20.0	07/26/23 12:15	
Ethylbenzene	ug/kg	<11.9	50.0	07/26/23 12:15	
Toluene	ug/kg	<12.6	50.0	07/26/23 12:15	
Xylene (Total)	ug/kg	<36.1	150	07/26/23 12:15	
1,2-Dichlorobenzene-d4 (S)	%	93	71-161	07/26/23 12:15	
4-Bromofluorobenzene (S)	%	93	68-156	07/26/23 12:15	
Toluene-d8 (S)	%	93	69-153	07/26/23 12:15	

LABORATORY CONTROL SAMPLE: 2589152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2510	100	70-130	
Ethylbenzene	ug/kg	2500	2450	98	80-120	
Toluene	ug/kg	2500	2440	98	80-120	
Xylene (Total)	ug/kg	7500	7390	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	71-161	
4-Bromofluorobenzene (S)	%			108	68-156	
Toluene-d8 (S)	%			104	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589153 2589154

Parameter	Units	40265613011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	247	1400	987	1640	1750	99	153	70-130	7	20	M1
Ethylbenzene	ug/kg	17.0J	1400	987	1480	1500	104	150	80-120	2	20	M1
Toluene	ug/kg	67.7	1400	987	1470	1510	100	146	79-120	3	20	M1
Xylene (Total)	ug/kg	<48.8	4200	2960	4420	4500	104	151	70-130	2	20	MS
1,2-Dichlorobenzene-d4 (S)	%						118	123	71-161			
4-Bromofluorobenzene (S)	%						121	126	68-156			
Toluene-d8 (S)	%						117	121	69-153			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 450687
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613019, 40265613020, 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026, 40265613027

METHOD BLANK: 2589224 Matrix: Solid
Associated Lab Samples: 40265613019, 40265613020, 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026, 40265613027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	07/27/23 20:02	
Benzene	ug/kg	<11.9	20.0	07/27/23 20:02	
Ethylbenzene	ug/kg	<11.9	50.0	07/27/23 20:02	
Toluene	ug/kg	<12.6	50.0	07/27/23 20:02	
Xylene (Total)	ug/kg	<36.1	150	07/27/23 20:02	
1,2-Dichlorobenzene-d4 (S)	%	107	71-161	07/27/23 20:02	
4-Bromofluorobenzene (S)	%	108	68-156	07/27/23 20:02	
Toluene-d8 (S)	%	106	69-153	07/27/23 20:02	

LABORATORY CONTROL SAMPLE: 2589225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2620	105	70-130	
Ethylbenzene	ug/kg	2500	2590	103	80-120	
Toluene	ug/kg	2500	2570	103	80-120	
Xylene (Total)	ug/kg	7500	8030	107	70-130	
1,2-Dichlorobenzene-d4 (S)	%			105	71-161	
4-Bromofluorobenzene (S)	%			110	68-156	
Toluene-d8 (S)	%			107	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589226 2589227

Parameter	Units	40265654002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	33.9	1160	1170	1720	1470	145	123	70-130	15	20	M1
Ethylbenzene	ug/kg	<15.7	1160	1170	1430	1510	123	129	80-120	5	20	M1
Toluene	ug/kg	27.1J	1160	1170	1680	1400	142	118	79-120	18	20	M1
Xylene (Total)	ug/kg	<47.6	3480	3500	4480	4660	129	133	70-130	4	20	MS
1,2-Dichlorobenzene-d4 (S)	%						118	119	71-161			
4-Bromofluorobenzene (S)	%						125	132	68-156			
Toluene-d8 (S)	%						117	117	69-153			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 451136
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007

METHOD BLANK: 2592137 Matrix: Solid
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/01/23 10:48	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/01/23 10:48	
Acenaphthene	ug/kg	<2.2	16.7	08/01/23 10:48	
Acenaphthylene	ug/kg	<2.1	16.7	08/01/23 10:48	
Anthracene	ug/kg	<2.1	16.7	08/01/23 10:48	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/01/23 10:48	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/01/23 10:48	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/01/23 10:48	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/01/23 10:48	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/01/23 10:48	
Chrysene	ug/kg	<3.2	16.7	08/01/23 10:48	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/01/23 10:48	
Fluoranthene	ug/kg	<2.0	16.7	08/01/23 10:48	
Fluorene	ug/kg	<2.0	16.7	08/01/23 10:48	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/01/23 10:48	
Naphthalene	ug/kg	<1.6	16.7	08/01/23 10:48	
Phenanthrene	ug/kg	<1.9	16.7	08/01/23 10:48	
Pyrene	ug/kg	<2.5	16.7	08/01/23 10:48	
2-Fluorobiphenyl (S)	%	77	41-98	08/01/23 10:48	
Terphenyl-d14 (S)	%	90	37-106	08/01/23 10:48	

LABORATORY CONTROL SAMPLE: 2592138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	268	81	64-110	
2-Methylnaphthalene	ug/kg	333	257	77	60-110	
Acenaphthene	ug/kg	333	288	86	69-120	
Acenaphthylene	ug/kg	333	284	85	63-120	
Anthracene	ug/kg	333	293	88	71-112	
Benzo(a)anthracene	ug/kg	333	260	78	62-120	
Benzo(a)pyrene	ug/kg	333	305	92	71-111	
Benzo(b)fluoranthene	ug/kg	333	296	89	59-112	
Benzo(g,h,i)perylene	ug/kg	333	273	82	64-115	
Benzo(k)fluoranthene	ug/kg	333	315	95	72-117	
Chrysene	ug/kg	333	322	97	75-120	
Dibenz(a,h)anthracene	ug/kg	333	261	78	67-114	
Fluoranthene	ug/kg	333	310	93	70-110	
Fluorene	ug/kg	333	292	88	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	333	268	81	71-114	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

LABORATORY CONTROL SAMPLE: 2592138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	333	252	76	62-120	
Phenanthrene	ug/kg	333	287	86	59-106	
Pyrene	ug/kg	333	289	87	69-120	
2-Fluorobiphenyl (S)	%			88	41-98	
Terphenyl-d14 (S)	%			91	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592139 2592140

Parameter	Units	40265613002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	6.5J	438	436	294	272	66	61	51-110	8	34	
2-Methylnaphthalene	ug/kg	8.0J	438	436	281	259	62	58	45-110	8	29	
Acenaphthene	ug/kg	54.6	438	436	333	306	64	58	52-120	8	26	
Acenaphthylene	ug/kg	<2.8	438	436	299	281	68	64	46-120	6	22	
Anthracene	ug/kg	10.3J	438	436	320	232	71	51	50-112	32	25	R1
Benzo(a)anthracene	ug/kg	<2.8	438	436	259	238	59	55	41-120	8	37	
Benzo(a)pyrene	ug/kg	<2.5	438	436	301	290	69	66	44-114	4	33	
Benzo(b)fluoranthene	ug/kg	<3.0	438	436	276	284	63	65	41-112	3	43	
Benzo(g,h,i)perylene	ug/kg	<3.8	438	436	258	237	59	54	40-115	8	36	
Benzo(k)fluoranthene	ug/kg	<2.8	438	436	337	300	77	69	56-117	11	30	
Chrysene	ug/kg	<4.1	438	436	330	323	75	74	45-120	2	28	
Dibenz(a,h)anthracene	ug/kg	<3.0	438	436	247	219	57	50	44-114	12	33	
Fluoranthene	ug/kg	<2.6	438	436	315	292	72	66	55-110	8	43	
Fluorene	ug/kg	45.4	438	436	342	307	68	60	47-104	11	27	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.6	438	436	256	233	59	53	45-114	9	33	
Naphthalene	ug/kg	16.6J	438	436	324	269	70	58	47-120	18	26	
Phenanthrene	ug/kg	7.7J	438	436	304	280	68	62	38-106	8	24	
Pyrene	ug/kg	<3.2	438	436	303	278	69	63	51-120	9	41	
2-Fluorobiphenyl (S)	%						61	57	41-98			
Terphenyl-d14 (S)	%						60	58	37-106			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 451137
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015, 40265613016, 40265613017, 40265613018, 40265613020, 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

METHOD BLANK: 2592141
Matrix: Solid
Associated Lab Samples: 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015, 40265613016, 40265613017, 40265613018, 40265613020, 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/01/23 13:22	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/01/23 13:22	
Acenaphthene	ug/kg	<2.2	16.7	08/01/23 13:22	
Acenaphthylene	ug/kg	<2.1	16.7	08/01/23 13:22	
Anthracene	ug/kg	<2.1	16.7	08/01/23 13:22	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/01/23 13:22	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/01/23 13:22	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/01/23 13:22	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/01/23 13:22	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/01/23 13:22	
Chrysene	ug/kg	<3.2	16.7	08/01/23 13:22	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/01/23 13:22	
Fluoranthene	ug/kg	<2.0	16.7	08/01/23 13:22	
Fluorene	ug/kg	<2.0	16.7	08/01/23 13:22	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/01/23 13:22	
Naphthalene	ug/kg	<1.6	16.7	08/01/23 13:22	
Phenanthrene	ug/kg	<1.9	16.7	08/01/23 13:22	
Pyrene	ug/kg	<2.5	16.7	08/01/23 13:22	
2-Fluorobiphenyl (S)	%	90	41-98	08/01/23 13:22	
Terphenyl-d14 (S)	%	98	37-106	08/01/23 13:22	

LABORATORY CONTROL SAMPLE: 2592142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	236	71	64-110	
2-Methylnaphthalene	ug/kg	334	237	71	60-110	
Acenaphthene	ug/kg	334	254	76	69-120	
Acenaphthylene	ug/kg	334	246	74	63-120	
Anthracene	ug/kg	334	285	85	71-112	
Benzo(a)anthracene	ug/kg	334	263	79	62-120	
Benzo(a)pyrene	ug/kg	334	315	94	71-111	
Benzo(b)fluoranthene	ug/kg	334	297	89	59-112	
Benzo(g,h,i)perylene	ug/kg	334	326	98	64-115	
Benzo(k)fluoranthene	ug/kg	334	292	87	72-117	
Chrysene	ug/kg	334	294	88	75-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

LABORATORY CONTROL SAMPLE: 2592142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	ug/kg	334	317	95	67-114	
Fluoranthene	ug/kg	334	285	85	70-110	
Fluorene	ug/kg	334	257	77	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	334	321	96	71-114	
Naphthalene	ug/kg	334	219	66	62-120	
Phenanthrene	ug/kg	334	268	80	59-106	
Pyrene	ug/kg	334	262	78	69-120	
2-Fluorobiphenyl (S)	%			81	41-98	
Terphenyl-d14 (S)	%			86	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592143 2592144

Parameter	Units	40265613011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	40.2	393	393	281	257	61	55	51-110	9	34	
2-Methylnaphthalene	ug/kg	86.8	393	393	287	254	51	42	45-110	12	29	M1
Acenaphthene	ug/kg	26.2	393	393	304	273	71	63	52-120	11	26	
Acenaphthylene	ug/kg	2.5J	393	393	309	276	78	70	46-120	11	22	
Anthracene	ug/kg	35.9	393	393	331	303	75	68	50-112	9	25	
Benzo(a)anthracene	ug/kg	20.2	393	393	324	291	78	69	41-120	11	37	
Benzo(a)pyrene	ug/kg	13.7J	393	393	374	336	92	82	44-114	11	33	
Benzo(b)fluoranthene	ug/kg	20.2	393	393	361	323	87	77	41-112	11	43	
Benzo(g,h,i)perylene	ug/kg	11.9J	393	393	371	332	91	82	40-115	11	36	
Benzo(k)fluoranthene	ug/kg	8.1J	393	393	360	328	90	81	56-117	10	30	
Chrysene	ug/kg	27.0	393	393	363	331	85	77	45-120	9	28	
Dibenz(a,h)anthracene	ug/kg	<2.7	393	393	359	330	91	83	44-114	8	33	
Fluoranthene	ug/kg	59.8	393	393	353	316	75	65	55-110	11	43	
Fluorene	ug/kg	35.5	393	393	343	311	78	70	47-104	10	27	
Indeno(1,2,3-cd)pyrene	ug/kg	8.7J	393	393	371	333	92	83	45-114	11	33	
Naphthalene	ug/kg	325	393	393	320	282	-1	-11	47-120	13	26	M1
Phenanthrene	ug/kg	137	393	393	350	312	54	45	38-106	12	24	
Pyrene	ug/kg	51.4	393	393	315	289	67	61	51-120	8	41	
2-Fluorobiphenyl (S)	%						86	74	41-98			
Terphenyl-d14 (S)	%						79	69	37-106			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 451367
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613019

METHOD BLANK: 2593262 Matrix: Solid
Associated Lab Samples: 40265613019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/03/23 10:53	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/03/23 10:53	
Acenaphthene	ug/kg	<2.2	16.7	08/03/23 10:53	
Acenaphthylene	ug/kg	<2.1	16.7	08/03/23 10:53	
Anthracene	ug/kg	<2.1	16.7	08/03/23 10:53	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/03/23 10:53	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/03/23 10:53	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/03/23 10:53	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/03/23 10:53	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/03/23 10:53	
Chrysene	ug/kg	<3.2	16.7	08/03/23 10:53	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/03/23 10:53	
Fluoranthene	ug/kg	<2.0	16.7	08/03/23 10:53	
Fluorene	ug/kg	<2.0	16.7	08/03/23 10:53	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/03/23 10:53	
Naphthalene	ug/kg	<1.6	16.7	08/03/23 10:53	
Phenanthrene	ug/kg	<1.9	16.7	08/03/23 10:53	
Pyrene	ug/kg	<2.5	16.7	08/03/23 10:53	
2-Fluorobiphenyl (S)	%	80	41-98	08/03/23 10:53	
Terphenyl-d14 (S)	%	96	37-106	08/03/23 10:53	

LABORATORY CONTROL SAMPLE: 2593263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	261	78	64-110	
2-Methylnaphthalene	ug/kg	333	255	77	60-110	
Acenaphthene	ug/kg	333	284	85	69-120	
Acenaphthylene	ug/kg	333	282	85	63-120	
Anthracene	ug/kg	333	306	92	71-112	
Benzo(a)anthracene	ug/kg	333	266	80	62-120	
Benzo(a)pyrene	ug/kg	333	298	89	71-111	
Benzo(b)fluoranthene	ug/kg	333	282	85	59-112	
Benzo(g,h,i)perylene	ug/kg	333	309	93	64-115	
Benzo(k)fluoranthene	ug/kg	333	316	95	72-117	
Chrysene	ug/kg	333	306	92	75-120	
Dibenz(a,h)anthracene	ug/kg	333	305	92	67-114	
Fluoranthene	ug/kg	333	306	92	70-110	
Fluorene	ug/kg	333	301	90	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	333	305	92	71-114	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

LABORATORY CONTROL SAMPLE: 2593263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	333	240	72	62-120	
Phenanthrene	ug/kg	333	288	87	59-106	
Pyrene	ug/kg	333	281	84	69-120	
2-Fluorobiphenyl (S)	%			89	41-98	
Terphenyl-d14 (S)	%			92	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2593264 2593265

Parameter	Units	40265879014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	128	333	333	309	370	54	73	51-110	18	34	
2-Methylnaphthalene	ug/kg	209	333	333	376	449	50	72	45-110	18	29	
Acenaphthene	ug/kg	0.0063J mg/kg	333	333	194	224	56	65	52-120	14	26	
Acenaphthylene	ug/kg	0.0029J mg/kg	333	333	204	234	60	69	46-120	14	22	
Anthracene	ug/kg	0.0039J mg/kg	333	333	206	237	61	70	50-112	14	25	
Benzo(a)anthracene	ug/kg	0.0030J mg/kg	333	333	171	196	50	58	41-120	14	37	
Benzo(a)pyrene	ug/kg	<0.0019 mg/kg	333	333	195	220	58	66	44-114	12	33	
Benzo(b)fluoranthene	ug/kg	<0.0023 mg/kg	333	333	201	226	60	67	41-112	12	43	
Benzo(g,h,i)perylene	ug/kg	<0.0029 mg/kg	333	333	189	216	56	64	40-115	13	36	
Benzo(k)fluoranthene	ug/kg	<0.0021 mg/kg	333	333	192	220	57	66	56-117	13	30	
Chrysene	ug/kg	0.0041J mg/kg	333	333	203	240	60	71	45-120	17	28	
Dibenz(a,h)anthracene	ug/kg	<0.0023 mg/kg	333	333	190	216	57	65	44-114	13	33	
Fluoranthene	ug/kg	0.0093J mg/kg	333	333	208	239	60	69	55-110	14	43	
Fluorene	ug/kg	0.0064J mg/kg	333	333	212	241	62	71	47-104	13	27	
Indeno(1,2,3-cd)pyrene	ug/kg	<0.0035 mg/kg	333	333	189	215	57	64	45-114	13	33	
Naphthalene	ug/kg	0.15 mg/kg	333	333	240	287	26	40	47-120	18	26	M1
Phenanthrene	ug/kg	0.018 mg/kg	333	333	208	239	57	66	38-106	14	24	
Pyrene	ug/kg	0.014J mg/kg	333	333	190	223	53	63	51-120	16	41	
2-Fluorobiphenyl (S)	%						62	70	41-98			
Terphenyl-d14 (S)	%						58	66	37-106			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 450851
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015

SAMPLE DUPLICATE: 2590142

Parameter	Units	40265613013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.9	17.2	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 450853
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613016, 40265613017, 40265613018, 40265613019, 40265613020, 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

SAMPLE DUPLICATE: 2590156

Parameter	Units	40265613026 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.6	16.5	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 451209
QC Batch Method: EPA 9012B
Analysis Method: EPA 9012B
Analysis Description: 9012 Cyanide
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015, 40265613016, 40265613017, 40265613018, 40265613019, 40265613020

METHOD BLANK: 2592435
Matrix: Solid
Associated Lab Samples: 40265613001, 40265613002, 40265613003, 40265613004, 40265613005, 40265613006, 40265613007, 40265613008, 40265613009, 40265613010, 40265613011, 40265613012, 40265613013, 40265613014, 40265613015, 40265613016, 40265613017, 40265613018, 40265613019, 40265613020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.31	0.92	08/02/23 11:35	

LABORATORY CONTROL SAMPLE: 2592436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3	2.9	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592437 2592438

Parameter	Units	40265613011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	0.72J	3.2	3.1	3.7	3.5	94	93	80-120	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592439 2592440

Parameter	Units	40265613020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	0.35J	2.9	2.9	2.6	2.9	80	87	80-120	11	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

QC Batch: 451211 | Analysis Method: EPA 9012B
QC Batch Method: EPA 9012B | Analysis Description: 9012 Cyanide
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

METHOD BLANK: 2592445 Matrix: Solid
Associated Lab Samples: 40265613021, 40265613022, 40265613023, 40265613024, 40265613025, 40265613026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.31	0.92	08/02/23 11:58	

LABORATORY CONTROL SAMPLE: 2592446

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3	3.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592447 2592448

Parameter	Units	40265613026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	<0.32	3.2	3.1	3.3	3.1	96	93	80-120	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592449 2592450

Parameter	Units	40265712005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	<0.35	3.4	3.4	2.6	2.1	74	58	80-120	19	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

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.

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265613001	**072423005**	EPA 3050B	450635	EPA 6020B	450717
40265613002	**072423006**	EPA 3050B	450635	EPA 6020B	450717
40265613003	**072423007**	EPA 3050B	450635	EPA 6020B	450717
40265613004	**072423008**	EPA 3050B	450635	EPA 6020B	450717
40265613005	**072423009**	EPA 3050B	450635	EPA 6020B	450717
40265613006	**072423010**	EPA 3050B	450635	EPA 6020B	450717
40265613007	**072423011**	EPA 3050B	450635	EPA 6020B	450717
40265613008	**072423012**	EPA 3050B	450635	EPA 6020B	450717
40265613009	**072423013**	EPA 3050B	450635	EPA 6020B	450717
40265613010	**072423014**	EPA 3050B	450635	EPA 6020B	450717
40265613011	**072423015**	EPA 3050B	450635	EPA 6020B	450717
40265613012	**072423016**	EPA 3050B	450635	EPA 6020B	450717
40265613013	**072423017**	EPA 3050B	450635	EPA 6020B	450717
40265613014	**072423018**	EPA 3050B	450635	EPA 6020B	450717
40265613015	**072423019**	EPA 3050B	450635	EPA 6020B	450717
40265613016	**072423020**	EPA 3050B	450635	EPA 6020B	450717
40265613017	**072423021**	EPA 3050B	450635	EPA 6020B	450717
40265613018	**072423022**	EPA 3050B	450635	EPA 6020B	450717
40265613019	**072423023**	EPA 3050B	450635	EPA 6020B	450717
40265613020	**072423024**	EPA 3050B	450635	EPA 6020B	450717
40265613021	**072423025**	EPA 3050B	450637	EPA 6020B	450715
40265613022	**072423026**	EPA 3050B	450637	EPA 6020B	450715
40265613023	**072423027**	EPA 3050B	450637	EPA 6020B	450715
40265613024	**072423028**	EPA 3050B	450637	EPA 6020B	450715
40265613025	**072423029**	EPA 3050B	450637	EPA 6020B	450715
40265613026	**072423030**	EPA 3050B	450637	EPA 6020B	450715
40265613001	**072423005**	EPA 7471	451133	EPA 7471	451313
40265613002	**072423006**	EPA 7471	451133	EPA 7471	451313
40265613003	**072423007**	EPA 7471	451133	EPA 7471	451313
40265613004	**072423008**	EPA 7471	451133	EPA 7471	451313
40265613005	**072423009**	EPA 7471	451133	EPA 7471	451313
40265613006	**072423010**	EPA 7471	451133	EPA 7471	451313
40265613007	**072423011**	EPA 7471	451133	EPA 7471	451313
40265613008	**072423012**	EPA 7471	451133	EPA 7471	451313
40265613009	**072423013**	EPA 7471	451133	EPA 7471	451313
40265613010	**072423014**	EPA 7471	451133	EPA 7471	451313
40265613011	**072423015**	EPA 7471	451133	EPA 7471	451313
40265613012	**072423016**	EPA 7471	451133	EPA 7471	451313
40265613013	**072423017**	EPA 7471	451133	EPA 7471	451313
40265613014	**072423018**	EPA 7471	451134	EPA 7471	451314
40265613015	**072423019**	EPA 7471	451134	EPA 7471	451314
40265613016	**072423020**	EPA 7471	451134	EPA 7471	451314
40265613017	**072423021**	EPA 7471	451134	EPA 7471	451314
40265613018	**072423022**	EPA 7471	451134	EPA 7471	451314
40265613019	**072423023**	EPA 7471	451134	EPA 7471	451314
40265613020	**072423024**	EPA 7471	451134	EPA 7471	451314
40265613021	**072423025**	EPA 7471	451134	EPA 7471	451314

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265613022	**072423026**	EPA 7471	451134	EPA 7471	451314
40265613023	**072423027**	EPA 7471	451134	EPA 7471	451314
40265613024	**072423028**	EPA 7471	451134	EPA 7471	451314
40265613025	**072423029**	EPA 7471	451134	EPA 7471	451314
40265613026	**072423030**	EPA 7471	451134	EPA 7471	451314
40265613001	**072423005**	EPA 3546	451136	EPA 8270E by SIM	451169
40265613002	**072423006**	EPA 3546	451136	EPA 8270E by SIM	451169
40265613003	**072423007**	EPA 3546	451136	EPA 8270E by SIM	451169
40265613004	**072423008**	EPA 3546	451136	EPA 8270E by SIM	451169
40265613005	**072423009**	EPA 3546	451136	EPA 8270E by SIM	451169
40265613006	**072423010**	EPA 3546	451136	EPA 8270E by SIM	451169
40265613007	**072423011**	EPA 3546	451136	EPA 8270E by SIM	451169
40265613008	**072423012**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613009	**072423013**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613010	**072423014**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613011	**072423015**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613012	**072423016**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613013	**072423017**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613014	**072423018**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613015	**072423019**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613016	**072423020**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613017	**072423021**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613018	**072423022**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613019	**072423023**	EPA 3546	451367	EPA 8270E by SIM	451411
40265613020	**072423024**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613021	**072423025**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613022	**072423026**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613023	**072423027**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613024	**072423028**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613025	**072423029**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613026	**072423030**	EPA 3546	451137	EPA 8270E by SIM	451190
40265613001	**072423005**	EPA 5035/5030B	450668	EPA 8260	450670
40265613002	**072423006**	EPA 5035/5030B	450668	EPA 8260	450670
40265613003	**072423007**	EPA 5035/5030B	450668	EPA 8260	450670
40265613004	**072423008**	EPA 5035/5030B	450668	EPA 8260	450670
40265613005	**072423009**	EPA 5035/5030B	450668	EPA 8260	450670
40265613006	**072423010**	EPA 5035/5030B	450668	EPA 8260	450670
40265613007	**072423011**	EPA 5035/5030B	450668	EPA 8260	450670
40265613008	**072423012**	EPA 5035/5030B	450668	EPA 8260	450670
40265613009	**072423013**	EPA 5035/5030B	450668	EPA 8260	450670
40265613010	**072423014**	EPA 5035/5030B	450668	EPA 8260	450670
40265613011	**072423015**	EPA 5035/5030B	450668	EPA 8260	450670
40265613012	**072423016**	EPA 5035/5030B	450668	EPA 8260	450670
40265613013	**072423017**	EPA 5035/5030B	450668	EPA 8260	450670
40265613014	**072423018**	EPA 5035/5030B	450668	EPA 8260	450670
40265613015	**072423019**	EPA 5035/5030B	450668	EPA 8260	450670

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265613016	**072423020**	EPA 5035/5030B	450668	EPA 8260	450670
40265613017	**072423021**	EPA 5035/5030B	450668	EPA 8260	450670
40265613018	**072423022**	EPA 5035/5030B	450668	EPA 8260	450670
40265613019	**072423023**	EPA 5035/5030B	450687	EPA 8260	450691
40265613020	**072423024**	EPA 5035/5030B	450687	EPA 8260	450691
40265613021	**072423025**	EPA 5035/5030B	450687	EPA 8260	450691
40265613022	**072423026**	EPA 5035/5030B	450687	EPA 8260	450691
40265613023	**072423027**	EPA 5035/5030B	450687	EPA 8260	450691
40265613024	**072423028**	EPA 5035/5030B	450687	EPA 8260	450691
40265613025	**072423029**	EPA 5035/5030B	450687	EPA 8260	450691
40265613026	**072423030**	EPA 5035/5030B	450687	EPA 8260	450691
40265613027	**072423031**	EPA 5035/5030B	450687	EPA 8260	450691
40265613001	**072423005**	ASTM D2974-87	450851		
40265613002	**072423006**	ASTM D2974-87	450851		
40265613003	**072423007**	ASTM D2974-87	450851		
40265613004	**072423008**	ASTM D2974-87	450851		
40265613005	**072423009**	ASTM D2974-87	450851		
40265613006	**072423010**	ASTM D2974-87	450851		
40265613007	**072423011**	ASTM D2974-87	450851		
40265613008	**072423012**	ASTM D2974-87	450851		
40265613009	**072423013**	ASTM D2974-87	450851		
40265613010	**072423014**	ASTM D2974-87	450851		
40265613011	**072423015**	ASTM D2974-87	450851		
40265613012	**072423016**	ASTM D2974-87	450851		
40265613013	**072423017**	ASTM D2974-87	450851		
40265613014	**072423018**	ASTM D2974-87	450851		
40265613015	**072423019**	ASTM D2974-87	450851		
40265613016	**072423020**	ASTM D2974-87	450853		
40265613017	**072423021**	ASTM D2974-87	450853		
40265613018	**072423022**	ASTM D2974-87	450853		
40265613019	**072423023**	ASTM D2974-87	450853		
40265613020	**072423024**	ASTM D2974-87	450853		
40265613021	**072423025**	ASTM D2974-87	450853		
40265613022	**072423026**	ASTM D2974-87	450853		
40265613023	**072423027**	ASTM D2974-87	450853		
40265613024	**072423028**	ASTM D2974-87	450853		
40265613025	**072423029**	ASTM D2974-87	450853		
40265613026	**072423030**	ASTM D2974-87	450853		
40265613001	**072423005**	EPA 9012B	451209	EPA 9012B	451283
40265613002	**072423006**	EPA 9012B	451209	EPA 9012B	451283
40265613003	**072423007**	EPA 9012B	451209	EPA 9012B	451283
40265613004	**072423008**	EPA 9012B	451209	EPA 9012B	451283
40265613005	**072423009**	EPA 9012B	451209	EPA 9012B	451283
40265613006	**072423010**	EPA 9012B	451209	EPA 9012B	451283
40265613007	**072423011**	EPA 9012B	451209	EPA 9012B	451283
40265613008	**072423012**	EPA 9012B	451209	EPA 9012B	451283
40265613009	**072423013**	EPA 9012B	451209	EPA 9012B	451283

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265613010	**072423014**	EPA 9012B	451209	EPA 9012B	451283
40265613011	**072423015**	EPA 9012B	451209	EPA 9012B	451283
40265613012	**072423016**	EPA 9012B	451209	EPA 9012B	451283
40265613013	**072423017**	EPA 9012B	451209	EPA 9012B	451283
40265613014	**072423018**	EPA 9012B	451209	EPA 9012B	451283
40265613015	**072423019**	EPA 9012B	451209	EPA 9012B	451283
40265613016	**072423020**	EPA 9012B	451209	EPA 9012B	451283
40265613017	**072423021**	EPA 9012B	451209	EPA 9012B	451283
40265613018	**072423022**	EPA 9012B	451209	EPA 9012B	451283
40265613019	**072423023**	EPA 9012B	451209	EPA 9012B	451283
40265613020	**072423024**	EPA 9012B	451209	EPA 9012B	451283
40265613021	**072423025**	EPA 9012B	451211	EPA 9012B	451284
40265613022	**072423026**	EPA 9012B	451211	EPA 9012B	451284
40265613023	**072423027**	EPA 9012B	451211	EPA 9012B	451284
40265613024	**072423028**	EPA 9012B	451211	EPA 9012B	451284
40265613025	**072423029**	EPA 9012B	451211	EPA 9012B	451284
40265613026	**072423030**	EPA 9012B	451211	EPA 9012B	451284

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CHAIN-OF-CUSTODY / Analytical Request Document

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40265613

COC # 1940103365.002

QAS LCH 07/24/23

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information	
Company:	Ramboll / WPSC	Report To	GDSData@ramboll.com	Attention	Acts Payable/PM Frank Dombrowski
Address:	234 W. Florida St., 5th Floor	Copy To	Staci.Goetz@ramboll.com	Company Name:	Wisconsin Public Service Corp.
	Milwaukee, WI 53204		ASmall@ramboll.com	Address:	333 W Everett St Milwakee WI 53203
Email To	Nate.Duda@ramboll.com	Purchase Order No:		Pace Quote Reference	
Phone	262-719-4512 Fax	Project Name	Former Green Bay MGP	Pace Project Manager:	Brian Basten
Requested Due Date/TAT:	~~Rush 2-Day TAT~~	Project Number:	1950103365	Pace Profile #:	4543 #19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: WI

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072423005	S	G	7/24/23	10 22	–	–		3	2						1			x	x	x	x	X		001
2	072423006	S	G	7/24/23	10 25	–	–		3	2						1			x	x	x	x			002
3	072423007	S	G	7/24/23	10 30	–	–		3	2						1			x	x	x	x			003
4	072423008	S	G	7/24/23	10 35	–	–		3	2						1			x	x	x	x			004
5	072423009	S	G	7/24/23	11:00	–	–		3	2						1			x	x	x	x			005
6	072423010	S	G	7/24/23	11 06	–	–		3	2						1			x	x	x	x			006
7	072423011	S	G	7/24/23	11:16	–	–		3	2						1			x	x	x	x			007
8	072423012	S	G	7/24/23	11:48	–	–		3	2						1			x	x	x	x			008
9	072423013	S	G	7/24/23	11:54	–	–		3	2						1			x	x	x	x			009
10	072423014	S	G	7/24/23	12.00	–	–		3	2						1			x	x	x	x			010
11	072423015	S	G	7/24/23	12 15	–	–		9	6						3			x	x	x	x			011
12	072423016	S	G	7/24/23	12 30	–	–		3	2						1			x	x	x	x			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
072324015 MS/MSD	/ Ramboll	7/25/23	7:??		7/25/23	0737	4.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 07/24/23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1 5% per month for any invoices not paid within 30 days.

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40205613

QA: LCH 07/24/23

CoC# 1940103365.007

Section A Required Client Information.		Section B Required Project Information		Section C Invoice Information	
Company.	Ramboll / WPSC	Report To.	GDSData@ramboll.com	Attention	Acts Payable/PM Frank Dombrowski
Address.	234 W. Florida St., 5th Floor	Copy To	Staci.Goetz@ramboll.com	Company Name	Wisconsin Public Service Corp.
	Milwaukee, WI 53204		ASmall@ramboll.com	Address	333 W Everett St Milwakee WI 53203
Email To:	Nate.Duda@ramboll.com	Purchase Order No ·		Pace Quote Reference	
Phone	262-719-4512 Fax	Project Name	Former Green Bay MGP	Pace Project Manager:	Brian Basten
Requested Due Date/TAT:	~~Rush 5 Day TAT~~ 10	Project Number:	1950103365	Pace Profile #:	4543 #19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: WI

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072423017	S	G	7/24/23	12.35	--	--		3	2					1			X	X	X	X	X		0 13
2	072423018	S	G	7/24/23	12 58	--	--		3	2					1			X	X	X	X			0 14
3	072423019	S	G	7/24/23	13 26	--	--		3	2					1			X	X	X	X			0 15
4	072423020	S	G	7/24/23	13 30	--	--		3	2					1			X	X	X	X			0 16
5	072423021	S	G	7/24/23	14 05	--	--		3	2					1			X	X	X	X			0 17
6	072423022	S	G	7/24/23	14 20	--	--		3	2					1			X	X	X	X			0 18
7	072423023	S	G	7/24/23	14 25	--	--		3	2					1			X	X	X	X			0 19
8	072423024	S	G	7/24/23	14 35	--	--		3	2					1			X	X	X	X			0 20
9	072423025	S	G	7/24/23	14 42	--	--		3	2					1			X	X	X	X			0 21
10	072423026	S	G	7/24/23	14 47	--	--		3	2					1			X	X	X	X			0 22
11	072423027	S	G	7/24/23	14 52	--	--		3	2					1			X	X	X	X			0 23
12	072423028	S	G	7/24/23	15.00	--	--		3	2					1			X	X	X	X			0 24

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[illegible] / Ramboll	7-25-23	734	[illegible]	7/25/23	0737	4.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [illegible]

SIGNATURE of SAMPLER: [illegible] DATE Signed (MM/DD/YY): 07/24/23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note. By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1 5% per month for any invoices not paid within 30 days.

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PACE REPORT

CHAIN-OF-CUSTODY / Analytical Request Document

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40265613

COC# 1950103365.003

QA: 07/24/23

Page: 3 of 3

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company:	Ramboll / WPSC	Report To	GDSData@ramboll.com	Attention	Acts Payable/PM Frank Dombrowski
Address:	234 W. Florida St., 5th Floor	Copy To.	Staci.Goetz@ramboll.com	Company Name	Wisconsin Public Service Corp.
	Milwaukee, WI 53204		ASmall@ramboll.com	Address.	333 W Everett St Milwakee WI 53203
Email To.	Nate.Duda@ramboll.com	Purchase Order No ·		Pace Quote Reference	
Phone.	262-719-4512 Fax	Project Name	Former Green Bay MGP	Pace Project Manager:	Brian Basten
Requested Due Date/TAT:	~~Rush 2-Day TAT~~	Project Number	1950103365	Pace Profile #	4543 #19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: WI

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072423029	S	G	7/24/23	15:10	–	–		3	2						1			X	X	X	X	X		025
2	072423030	S	G	7/24/23	15 15	–	–		3	2						1			X	X	X	X	↓		026
3	072423031	W	G	7/24/23	–	–	–									1			X						027
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Ramboll	7/25/23	734		7/25/23	0737	4.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 07/24/23

*Important Note By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Preservation Receipt Form

Client Name: Rambo CC

Project # 40265613

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

Lab Lot# of pH paper.

Lab Std #ID of preservation (if pH adjusted)

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001																																		2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011																		3			3													2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

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	VG9C	40 mL clear ascorbic w/ HCl	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
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 3

Client Name: Ramboll

Sample Preservation Receipt Form

Project #: 40265613

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	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
021																																		2.5 / 5
022																																		2.5 / 5
023																																		2.5 / 5
024																																		2.5 / 5
025																																		2.5 / 5
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041																																		2.5 / 5
042																																		2.5 / 5
043																																		2.5 / 5
044																																		2.5 / 5
045																																		2.5 / 5
046																																		2.5 / 5
047																																		2.5 / 5
048																																		2.5 / 5

R.A 7-25-23

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40265613

40265613

Client Name: Ram Holl R.A 7-25-23

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

Tracking #:

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 - 120 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 4.0 /Corr: 4.0

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: 7-25-23 Initials: R.A

Labeled By Initials: EL

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☒Yes ☐No	7.
Sufficient Volume:	R.A 7-25-23	8.
For Analysis: ☒Yes ☐No	MS/MSD: ☒Yes ☐No ☐N/A	
Correct Containers Used:	☒Yes ☐No	9.
Correct Type: (Pace Green Bay) Pace IR, Non-Pace		
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis	Matrix: SC	
Trip Blank Present:	☐Yes ☒No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

Page 3 of 3

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

August 01, 2023

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2023. 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,

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

Enclosures

cc: ERIC BAUER, Ramboll
NRT Data, Ramboll
Abigail Small, Ramboll
Dan Vachon, Ramboll

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

CERTIFICATIONS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

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
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40265654001	**072523032**	Solid	07/25/23 09:25	07/25/23 14:43
40265654002	**072523033**	Solid	07/25/23 09:30	07/25/23 14:43
40265654003	**072523034**	Solid	07/25/23 09:35	07/25/23 14:43
40265654004	**072523035**	Solid	07/25/23 10:07	07/25/23 14:43
40265654005	**072523036**	Solid	07/25/23 10:10	07/25/23 14:43
40265654006	**072523037**	Solid	07/25/23 10:45	07/25/23 14:43
40265654007	**072523038**	Solid	07/25/23 11:05	07/25/23 14:43
40265654008	**072523039**	Solid	07/25/23 11:30	07/25/23 14:43
40265654009	**072523040**	Solid	07/25/23 11:40	07/25/23 14:43
40265654010	**072523041**	Solid	07/25/23 13:00	07/25/23 14:43
40265654011	**072523042**	Solid	07/25/23 13:05	07/25/23 14:43
40265654012	**072523043**	Solid	07/25/23 13:10	07/25/23 14:43
40265654013	**072523044**	Solid	07/25/23 00:00	07/25/23 14:43

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

SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40265654001	**072523032**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654002	**072523033**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654003	**072523034**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654004	**072523035**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654005	**072523036**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654006	**072523037**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654007	**072523038**	EPA 6020B	KXS	7

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654008	**072523039**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654009	**072523040**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654010	**072523041**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654011	**072523042**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654012	**072523043**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	SKW	1
		EPA 9012B	DAW	1
40265654013	**072523044**	EPA 8260	ALD	8

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Lab ID	Sample ID	Method	Analysts	Analytes Reported

PASI-G = Pace Analytical Services - Green Bay

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 01, 2023

General Information:
12 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

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

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

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

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

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

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

QC Batch: 450680

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265654002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2589194)
  - Barium
  - Chromium

R1: RPD value was outside control limits.

- MS (Lab ID: 2589194)
  - Barium
- MSD (Lab ID: 2589195)
  - Barium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 01, 2023

Analyte Comments:

QC Batch: 450680

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072523032 (Lab ID: 40265654001)
  - Silver
  - Cadmium
- 072523033 (Lab ID: 40265654002)
  - Silver
  - Cadmium
  - Selenium
- 072523034 (Lab ID: 40265654003)
  - Silver
  - Cadmium
  - Selenium
- 072523035 (Lab ID: 40265654004)
  - Silver
  - Cadmium
- 072523036 (Lab ID: 40265654005)
  - Silver
  - Cadmium
- 072523037 (Lab ID: 40265654006)
  - Silver
  - Cadmium
- 072523038 (Lab ID: 40265654007)
  - Silver
  - Cadmium
- 072523039 (Lab ID: 40265654008)
  - Silver
  - Cadmium
- 072523040 (Lab ID: 40265654009)
  - Silver
  - Cadmium
- 072523041 (Lab ID: 40265654010)
  - Silver
  - Cadmium
- 072523042 (Lab ID: 40265654011)
  - Silver
  - Cadmium
- 072523043 (Lab ID: 40265654012)
  - Silver
  - Cadmium

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Method: **EPA 7471**
Description: 7471 Mercury
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 01, 2023

General Information:
12 samples were analyzed for EPA 7471 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

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

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

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

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

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

Additional Comments:

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH by SIM
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 01, 2023

General Information:
12 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

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

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

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

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

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

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

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

Additional Comments:

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 01, 2023

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

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

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

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

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

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

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

QC Batch: 450687

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 072523036 (Lab ID: 40265654005)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)
- 072523039 (Lab ID: 40265654008)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)
- 072523041 (Lab ID: 40265654010)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

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

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

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 01, 2023

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

QC Batch: 450687

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265654002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2589226)
  - Benzene
  - Ethylbenzene
  - Toluene
- MSD (Lab ID: 2589227)
  - Ethylbenzene

Additional Comments:

Analyte Comments:

QC Batch: 450687

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072523036 (Lab ID: 40265654005)
  - 4-Bromofluorobenzene (S)
- 072523039 (Lab ID: 40265654008)
  - 4-Bromofluorobenzene (S)
- 072523040 (Lab ID: 40265654009)
  - 4-Bromofluorobenzene (S)
- 072523041 (Lab ID: 40265654010)
  - 4-Bromofluorobenzene (S)

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Method: **EPA 9012B**
Description: 9012 Cyanide, Total
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 01, 2023

General Information:
12 samples were analyzed for EPA 9012B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

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

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

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

QC Batch: 450818

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265654002,40265654012

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2589984)
  - Cyanide

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523032 **Lab ID: 40265654001** Collected: 07/25/23 09:25 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Chromium	**193**	mg/kg	2.2	0.67	6.667	07/27/23 06:01	07/28/23 20:33	7440-47-3	
Arsenic	**16.2**	mg/kg	0.97	0.29	6.667	07/27/23 06:01	07/28/23 20:33	7440-38-2	
Selenium	**1.5**	mg/kg	0.74	0.20	6.667	07/27/23 06:01	07/28/23 20:33	7782-49-2	
Silver	**<0.11**	mg/kg	0.37	0.11	6.667	07/27/23 06:01	07/28/23 20:33	7440-22-4	D3
Cadmium	**<0.11**	mg/kg	0.74	0.11	6.667	07/27/23 06:01	07/28/23 20:33	7440-43-9	D3
Barium	**311**	mg/kg	0.96	0.29	6.667	07/27/23 06:01	07/28/23 20:33	7440-39-3	
Lead	**166**	mg/kg	0.74	0.20	6.667	07/27/23 06:01	07/28/23 20:33	7439-92-1	SD
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.086**	mg/kg	0.036	0.010	1	07/28/23 10:28	07/31/23 07:51	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**183J**	ug/kg	377	48.8	20	07/27/23 07:45	07/27/23 17:47	83-32-9	
Acenaphthylene	**1630**	ug/kg	377	47.5	20	07/27/23 07:45	07/27/23 17:47	208-96-8	
Anthracene	**1090**	ug/kg	377	46.7	20	07/27/23 07:45	07/27/23 17:47	120-12-7	
Benzo(a)anthracene	**6870**	ug/kg	377	48.7	20	07/27/23 07:45	07/27/23 17:47	56-55-3	
Benzo(a)pyrene	**7240**	ug/kg	377	42.8	20	07/27/23 07:45	07/27/23 17:47	50-32-8	
Benzo(b)fluoranthene	**11400**	ug/kg	377	52.3	20	07/27/23 07:45	07/27/23 17:47	205-99-2	
Benzo(g,h,i)perylene	**6100**	ug/kg	377	66.1	20	07/27/23 07:45	07/27/23 17:47	191-24-2	
Benzo(k)fluoranthene	**4380**	ug/kg	377	48.1	20	07/27/23 07:45	07/27/23 17:47	207-08-9	
Chrysene	**6790**	ug/kg	377	71.0	20	07/27/23 07:45	07/27/23 17:47	218-01-9	
Dibenz(a,h)anthracene	**1790**	ug/kg	377	52.1	20	07/27/23 07:45	07/27/23 17:47	53-70-3	
Fluoranthene	**10100**	ug/kg	377	44.5	20	07/27/23 07:45	07/27/23 17:47	206-44-0	
Fluorene	**219J**	ug/kg	377	45.1	20	07/27/23 07:45	07/27/23 17:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**5380**	ug/kg	377	78.4	20	07/27/23 07:45	07/27/23 17:47	193-39-5	
1-Methylnaphthalene	**944**	ug/kg	377	55.0	20	07/27/23 07:45	07/27/23 17:47	90-12-0	
2-Methylnaphthalene	**1400**	ug/kg	377	55.1	20	07/27/23 07:45	07/27/23 17:47	91-57-6	
Naphthalene	**4760**	ug/kg	377	36.7	20	07/27/23 07:45	07/27/23 17:47	91-20-3	
Phenanthrene	**3200**	ug/kg	377	43.1	20	07/27/23 07:45	07/27/23 17:47	85-01-8	
Pyrene	**9220**	ug/kg	377	55.3	20	07/27/23 07:45	07/27/23 17:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%	41-98		20	07/27/23 07:45	07/27/23 17:47	321-60-8	
Terphenyl-d14 (S)	71	%	37-106		20	07/27/23 07:45	07/27/23 17:47	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**1080**	ug/kg	25.1	14.9	1	07/27/23 07:30	07/27/23 14:23	71-43-2	
Ethylbenzene	**108**	ug/kg	62.7	14.9	1	07/27/23 07:30	07/27/23 14:23	100-41-4	
Toluene	**1360**	ug/kg	62.7	15.8	1	07/27/23 07:30	07/27/23 14:23	108-88-3	
1,2,4-Trimethylbenzene	**167**	ug/kg	62.7	18.7	1	07/27/23 07:30	07/27/23 14:23	95-63-6	
Xylene (Total)	**1050**	ug/kg	188	45.3	1	07/27/23 07:30	07/27/23 14:23	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523032 **Lab ID: 40265654001** Collected: 07/25/23 09:25 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	119	%	68-156		1	07/27/23 07:30	07/27/23 14:23	460-00-4	
Toluene-d8 (S)	119	%	69-153		1	07/27/23 07:30	07/27/23 14:23	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	120	%	71-161		1	07/27/23 07:30	07/27/23 14:23	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.3**	%	0.10	0.10	1		07/26/23 13:17		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**4.7**	mg/kg	0.77	0.26	1	07/28/23 10:45	07/28/23 13:48	57-12-5	

Sample: 072523033 **Lab ID: 40265654002** Collected: 07/25/23 09:30 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.1**	mg/kg	1.0	0.30	6.667	07/27/23 06:01	07/28/23 20:12	7440-38-2	
Barium	**18.0**	mg/kg	1.0	0.30	6.667	07/27/23 06:01	07/28/23 20:12	7440-39-3	M0,R1
Cadmium	**<0.11**	mg/kg	0.77	0.11	6.667	07/27/23 06:01	07/28/23 20:12	7440-43-9	D3
Chromium	**13.8**	mg/kg	2.3	0.70	6.667	07/27/23 06:01	07/28/23 20:12	7440-47-3	M0
Lead	**2.0**	mg/kg	0.77	0.21	6.667	07/27/23 06:01	07/28/23 20:12	7439-92-1	
Selenium	**0.35J**	mg/kg	0.77	0.21	6.667	07/27/23 06:01	07/28/23 20:12	7782-49-2	D3
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/27/23 06:01	07/28/23 20:12	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.012**	mg/kg	0.040	0.012	1	08/01/23 06:05	08/01/23 10:13	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**53.8**	ug/kg	19.4	2.5	1	07/27/23 07:45	07/27/23 15:46	83-32-9	
Acenaphthylene	**44.5**	ug/kg	19.4	2.4	1	07/27/23 07:45	07/27/23 15:46	208-96-8	
Anthracene	**17.9J**	ug/kg	19.4	2.4	1	07/27/23 07:45	07/27/23 15:46	120-12-7	
Benzo(a)anthracene	**90.2**	ug/kg	19.4	2.5	1	07/27/23 07:45	07/27/23 15:46	56-55-3	
Benzo(a)pyrene	**95.1**	ug/kg	19.4	2.2	1	07/27/23 07:45	07/27/23 15:46	50-32-8	
Benzo(b)fluoranthene	**152**	ug/kg	19.4	2.7	1	07/27/23 07:45	07/27/23 15:46	205-99-2	
Benzo(g,h,i)perylene	**83.9**	ug/kg	19.4	3.4	1	07/27/23 07:45	07/27/23 15:46	191-24-2	
Benzo(k)fluoranthene	**53.3**	ug/kg	19.4	2.5	1	07/27/23 07:45	07/27/23 15:46	207-08-9	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523033 **Lab ID: 40265654002** Collected: 07/25/23 09:30 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Chrysene	**96.2**	ug/kg	19.4	3.7	1	07/27/23 07:45	07/27/23 15:46	218-01-9	
Dibenz(a,h)anthracene	**27.7**	ug/kg	19.4	2.7	1	07/27/23 07:45	07/27/23 15:46	53-70-3	
Fluoranthene	**144**	ug/kg	19.4	2.3	1	07/27/23 07:45	07/27/23 15:46	206-44-0	
Fluorene	**11.7J**	ug/kg	19.4	2.3	1	07/27/23 07:45	07/27/23 15:46	86-73-7	
Indeno(1,2,3-cd)pyrene	**73.6**	ug/kg	19.4	4.0	1	07/27/23 07:45	07/27/23 15:46	193-39-5	
1-Methylnaphthalene	**11.3J**	ug/kg	19.4	2.8	1	07/27/23 07:45	07/27/23 15:46	90-12-0	
2-Methylnaphthalene	**15.5J**	ug/kg	19.4	2.8	1	07/27/23 07:45	07/27/23 15:46	91-57-6	
Naphthalene	**55.3**	ug/kg	19.4	1.9	1	07/27/23 07:45	07/27/23 15:46	91-20-3	
Phenanthrene	**57.8**	ug/kg	19.4	2.2	1	07/27/23 07:45	07/27/23 15:46	85-01-8	
Pyrene	**137**	ug/kg	19.4	2.8	1	07/27/23 07:45	07/27/23 15:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	41-98		1	07/27/23 07:45	07/27/23 15:46	321-60-8	
Terphenyl-d14 (S)	55	%	37-106		1	07/27/23 07:45	07/27/23 15:46	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**33.9**	ug/kg	26.4	15.7	1	07/26/23 07:45	07/28/23 00:44	71-43-2	M1
Ethylbenzene	**<15.7**	ug/kg	66.0	15.7	1	07/26/23 07:45	07/28/23 00:44	100-41-4	M1
Toluene	**27.1J**	ug/kg	66.0	16.6	1	07/26/23 07:45	07/28/23 00:44	108-88-3	M1
1,2,4-Trimethylbenzene	**<19.7**	ug/kg	66.0	19.7	1	07/26/23 07:45	07/28/23 00:44	95-63-6	
Xylene (Total)	**<47.6**	ug/kg	198	47.6	1	07/26/23 07:45	07/28/23 00:44	1330-20-7	MS
Surrogates									
4-Bromofluorobenzene (S)	130	%	68-156		1	07/26/23 07:45	07/28/23 00:44	460-00-4	
Toluene-d8 (S)	124	%	69-153		1	07/26/23 07:45	07/28/23 00:44	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	125	%	71-161		1	07/26/23 07:45	07/28/23 00:44	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.8**	%	0.10	0.10	1		07/26/23 13:17		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.43J**	mg/kg	0.89	0.30	1	07/28/23 10:45	07/28/23 13:49	57-12-5	

Sample: 072523034 **Lab ID: 40265654003** Collected: 07/25/23 09:35 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.6**	mg/kg	0.91	0.27	6.667	07/27/23 06:01	07/28/23 20:43	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523034 **Lab ID: 40265654003** Collected: 07/25/23 09:35 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Barium	**32.1**	mg/kg	0.90	0.27	6.667	07/27/23 06:01	07/28/23 20:43	7440-39-3	
Cadmium	**<0.10**	mg/kg	0.69	0.10	6.667	07/27/23 06:01	07/28/23 20:43	7440-43-9	D3
Chromium	**16.1**	mg/kg	2.1	0.63	6.667	07/27/23 06:01	07/28/23 20:43	7440-47-3	
Lead	**3.1**	mg/kg	0.69	0.19	6.667	07/27/23 06:01	07/28/23 20:43	7439-92-1	
Selenium	**0.45J**	mg/kg	0.69	0.19	6.667	07/27/23 06:01	07/28/23 20:43	7782-49-2	D3
Silver	**<0.099**	mg/kg	0.34	0.099	6.667	07/27/23 06:01	07/28/23 20:43	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.014J**	mg/kg	0.037	0.011	1	07/28/23 10:28	07/31/23 07:54	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**80.4**	ug/kg	18.8	2.4	1	07/27/23 07:45	07/27/23 11:27	83-32-9	
Acenaphthylene	**79.1**	ug/kg	18.8	2.4	1	07/27/23 07:45	07/27/23 11:27	208-96-8	
Anthracene	**2.7J**	ug/kg	18.8	2.3	1	07/27/23 07:45	07/27/23 11:27	120-12-7	
Benzo(a)anthracene	**3.2J**	ug/kg	18.8	2.4	1	07/27/23 07:45	07/27/23 11:27	56-55-3	
Benzo(a)pyrene	**<2.1**	ug/kg	18.8	2.1	1	07/27/23 07:45	07/27/23 11:27	50-32-8	
Benzo(b)fluoranthene	**3.0J**	ug/kg	18.8	2.6	1	07/27/23 07:45	07/27/23 11:27	205-99-2	
Benzo(g,h,i)perylene	**<3.3**	ug/kg	18.8	3.3	1	07/27/23 07:45	07/27/23 11:27	191-24-2	
Benzo(k)fluoranthene	**<2.4**	ug/kg	18.8	2.4	1	07/27/23 07:45	07/27/23 11:27	207-08-9	
Chrysene	**<3.6**	ug/kg	18.8	3.6	1	07/27/23 07:45	07/27/23 11:27	218-01-9	
Dibenz(a,h)anthracene	**<2.6**	ug/kg	18.8	2.6	1	07/27/23 07:45	07/27/23 11:27	53-70-3	
Fluoranthene	**4.6J**	ug/kg	18.8	2.2	1	07/27/23 07:45	07/27/23 11:27	206-44-0	
Fluorene	**<2.3**	ug/kg	18.8	2.3	1	07/27/23 07:45	07/27/23 11:27	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.9**	ug/kg	18.8	3.9	1	07/27/23 07:45	07/27/23 11:27	193-39-5	
1-Methylnaphthalene	**5.7J**	ug/kg	18.8	2.8	1	07/27/23 07:45	07/27/23 11:27	90-12-0	
2-Methylnaphthalene	**<2.8**	ug/kg	18.8	2.8	1	07/27/23 07:45	07/27/23 11:27	91-57-6	
Naphthalene	**10.9J**	ug/kg	18.8	1.8	1	07/27/23 07:45	07/27/23 11:27	91-20-3	
Phenanthrene	**5.2J**	ug/kg	18.8	2.2	1	07/27/23 07:45	07/27/23 11:27	85-01-8	
Pyrene	**5.1J**	ug/kg	18.8	2.8	1	07/27/23 07:45	07/27/23 11:27	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	41-98		1	07/27/23 07:45	07/27/23 11:27	321-60-8	
Terphenyl-d14 (S)	79	%	37-106		1	07/27/23 07:45	07/27/23 11:27	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.0**	ug/kg	25.2	15.0	1	07/26/23 07:45	07/28/23 02:45	71-43-2	
Ethylbenzene	**<15.0**	ug/kg	62.9	15.0	1	07/26/23 07:45	07/28/23 02:45	100-41-4	
Toluene	**<15.8**	ug/kg	62.9	15.8	1	07/26/23 07:45	07/28/23 02:45	108-88-3	
1,2,4-Trimethylbenzene	**<18.7**	ug/kg	62.9	18.7	1	07/26/23 07:45	07/28/23 02:45	95-63-6	
Xylene (Total)	**<45.4**	ug/kg	189	45.4	1	07/26/23 07:45	07/28/23 02:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	116	%	68-156		1	07/26/23 07:45	07/28/23 02:45	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523034 **Lab ID: 40265654003** Collected: 07/25/23 09:35 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	107	%	69-153		1	07/26/23 07:45	07/28/23 02:45	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	114	%	71-161		1	07/26/23 07:45	07/28/23 02:45	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.4**	%	0.10	0.10	1		07/26/23 13:17		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.43J**	mg/kg	0.86	0.29	1	07/28/23 10:45	07/28/23 13:51	57-12-5	

Sample: 072523035 **Lab ID: 40265654004** Collected: 07/25/23 10:07 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.6**	mg/kg	0.91	0.27	6.667	07/27/23 06:01	07/28/23 20:48	7440-38-2	
Barium	**60.1**	mg/kg	0.90	0.27	6.667	07/27/23 06:01	07/28/23 20:48	7440-39-3	
Cadmium	**0.12J**	mg/kg	0.69	0.10	6.667	07/27/23 06:01	07/28/23 20:48	7440-43-9	D3
Chromium	**16.3**	mg/kg	2.1	0.63	6.667	07/27/23 06:01	07/28/23 20:48	7440-47-3	
Lead	**56.5**	mg/kg	0.69	0.19	6.667	07/27/23 06:01	07/28/23 20:48	7439-92-1	
Selenium	**0.73**	mg/kg	0.69	0.19	6.667	07/27/23 06:01	07/28/23 20:48	7782-49-2	
Silver	**<0.098**	mg/kg	0.34	0.098	6.667	07/27/23 06:01	07/28/23 20:48	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.012J**	mg/kg	0.037	0.011	1	07/28/23 10:28	07/31/23 07:56	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**28.9**	ug/kg	18.8	2.4	1	07/27/23 07:45	07/27/23 11:44	83-32-9	
Acenaphthylene	**5.3J**	ug/kg	18.8	2.4	1	07/27/23 07:45	07/27/23 11:44	208-96-8	
Anthracene	**35.7**	ug/kg	18.8	2.3	1	07/27/23 07:45	07/27/23 11:44	120-12-7	
Benzo(a)anthracene	**65.4**	ug/kg	18.8	2.4	1	07/27/23 07:45	07/27/23 11:44	56-55-3	
Benzo(a)pyrene	**73.1**	ug/kg	18.8	2.1	1	07/27/23 07:45	07/27/23 11:44	50-32-8	
Benzo(b)fluoranthene	**125**	ug/kg	18.8	2.6	1	07/27/23 07:45	07/27/23 11:44	205-99-2	
Benzo(g,h,i)perylene	**98.7**	ug/kg	18.8	3.3	1	07/27/23 07:45	07/27/23 11:44	191-24-2	
Benzo(k)fluoranthene	**37.5**	ug/kg	18.8	2.4	1	07/27/23 07:45	07/27/23 11:44	207-08-9	
Chrysene	**89.3**	ug/kg	18.8	3.5	1	07/27/23 07:45	07/27/23 11:44	218-01-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523035 **Lab ID: 40265654004** Collected: 07/25/23 10:07 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Dibenz(a,h)anthracene	**27.9**	ug/kg	18.8	2.6	1	07/27/23 07:45	07/27/23 11:44	53-70-3	
Fluoranthene	**97.9**	ug/kg	18.8	2.2	1	07/27/23 07:45	07/27/23 11:44	206-44-0	
Fluorene	**15.1J**	ug/kg	18.8	2.3	1	07/27/23 07:45	07/27/23 11:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**69.6**	ug/kg	18.8	3.9	1	07/27/23 07:45	07/27/23 11:44	193-39-5	
1-Methylnaphthalene	**42.5**	ug/kg	18.8	2.7	1	07/27/23 07:45	07/27/23 11:44	90-12-0	
2-Methylnaphthalene	**63.7**	ug/kg	18.8	2.7	1	07/27/23 07:45	07/27/23 11:44	91-57-6	
Naphthalene	**167**	ug/kg	18.8	1.8	1	07/27/23 07:45	07/27/23 11:44	91-20-3	
Phenanthrene	**177**	ug/kg	18.8	2.2	1	07/27/23 07:45	07/27/23 11:44	85-01-8	
Pyrene	**92.8**	ug/kg	18.8	2.8	1	07/27/23 07:45	07/27/23 11:44	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	41-98		1	07/27/23 07:45	07/27/23 11:44	321-60-8	
Terphenyl-d14 (S)	75	%	37-106		1	07/27/23 07:45	07/27/23 11:44	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.8**	ug/kg	24.9	14.8	1	07/26/23 07:45	07/28/23 03:05	71-43-2	
Ethylbenzene	**<14.8**	ug/kg	62.4	14.8	1	07/26/23 07:45	07/28/23 03:05	100-41-4	
Toluene	**<15.7**	ug/kg	62.4	15.7	1	07/26/23 07:45	07/28/23 03:05	108-88-3	
1,2,4-Trimethylbenzene	**<18.6**	ug/kg	62.4	18.6	1	07/26/23 07:45	07/28/23 03:05	95-63-6	
Xylene (Total)	**<45.0**	ug/kg	187	45.0	1	07/26/23 07:45	07/28/23 03:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	124	%	68-156		1	07/26/23 07:45	07/28/23 03:05	460-00-4	
Toluene-d8 (S)	111	%	69-153		1	07/26/23 07:45	07/28/23 03:05	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	113	%	71-161		1	07/26/23 07:45	07/28/23 03:05	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.0**	%	0.10	0.10	1		07/26/23 13:17		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.29**	mg/kg	0.87	0.29	1	07/28/23 10:45	07/28/23 13:53	57-12-5	

Sample: 072523036 **Lab ID: 40265654005** Collected: 07/25/23 10:10 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.0**	mg/kg	1.0	0.31	6.667	07/27/23 06:01	07/28/23 22:31	7440-38-2	
Barium	**93.1**	mg/kg	1.0	0.31	6.667	07/27/23 06:01	07/28/23 22:31	7440-39-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523036 **Lab ID: 40265654005** Collected: 07/25/23 10:10 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Cadmium	**<0.11**	mg/kg	0.77	0.11	6.667	07/27/23 06:01	07/28/23 22:31	7440-43-9	D3
Chromium	**27.7**	mg/kg	2.4	0.71	6.667	07/27/23 06:01	07/28/23 22:31	7440-47-3	
Lead	**6.8**	mg/kg	0.77	0.21	6.667	07/27/23 06:01	07/28/23 22:31	7439-92-1	
Selenium	**0.93**	mg/kg	0.77	0.21	6.667	07/27/23 06:01	07/28/23 22:31	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/27/23 06:01	07/28/23 22:31	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.017J**	mg/kg	0.040	0.011	1	07/28/23 10:28	07/31/23 07:58	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**33000**	ug/kg	20100	2600	1000	07/27/23 07:45	07/27/23 18:05	83-32-9	
Acenaphthylene	**28400**	ug/kg	20100	2530	1000	07/27/23 07:45	07/27/23 18:05	208-96-8	
Anthracene	**27900**	ug/kg	20100	2490	1000	07/27/23 07:45	07/27/23 18:05	120-12-7	
Benzo(a)anthracene	**19200J**	ug/kg	20100	2590	1000	07/27/23 07:45	07/27/23 18:05	56-55-3	
Benzo(a)pyrene	**13300J**	ug/kg	20100	2280	1000	07/27/23 07:45	07/27/23 18:05	50-32-8	
Benzo(b)fluoranthene	**12200J**	ug/kg	20100	2790	1000	07/27/23 07:45	07/27/23 18:05	205-99-2	
Benzo(g,h,i)perylene	**5310J**	ug/kg	20100	3520	1000	07/27/23 07:45	07/27/23 18:05	191-24-2	
Benzo(k)fluoranthene	**5370J**	ug/kg	20100	2560	1000	07/27/23 07:45	07/27/23 18:05	207-08-9	
Chrysene	**20600**	ug/kg	20100	3780	1000	07/27/23 07:45	07/27/23 18:05	218-01-9	
Dibenz(a,h)anthracene	**<2780**	ug/kg	20100	2780	1000	07/27/23 07:45	07/27/23 18:05	53-70-3	
Fluoranthene	**33600**	ug/kg	20100	2380	1000	07/27/23 07:45	07/27/23 18:05	206-44-0	
Fluorene	**31900**	ug/kg	20100	2410	1000	07/27/23 07:45	07/27/23 18:05	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4180**	ug/kg	20100	4180	1000	07/27/23 07:45	07/27/23 18:05	193-39-5	
1-Methylnaphthalene	**109000**	ug/kg	20100	2930	1000	07/27/23 07:45	07/27/23 18:05	90-12-0	
2-Methylnaphthalene	**155000**	ug/kg	20100	2940	1000	07/27/23 07:45	07/27/23 18:05	91-57-6	
Naphthalene	**359000**	ug/kg	20100	1960	1000	07/27/23 07:45	07/27/23 18:05	91-20-3	
Phenanthrene	**92400**	ug/kg	20100	2300	1000	07/27/23 07:45	07/27/23 18:05	85-01-8	
Pyrene	**41700**	ug/kg	20100	2950	1000	07/27/23 07:45	07/27/23 18:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	91	%	41-98		1000	07/27/23 07:45	07/27/23 18:05	321-60-8	
Terphenyl-d14 (S)	70	%	37-106		1000	07/27/23 07:45	07/27/23 18:05	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**22000**	ug/kg	2800	1670	100	07/26/23 07:45	07/28/23 05:06	71-43-2	
Ethylbenzene	**20800**	ug/kg	7010	1670	100	07/26/23 07:45	07/28/23 05:06	100-41-4	
Toluene	**10800**	ug/kg	7010	1770	100	07/26/23 07:45	07/28/23 05:06	108-88-3	
1,2,4-Trimethylbenzene	**18800**	ug/kg	7010	2090	100	07/26/23 07:45	07/28/23 05:06	95-63-6	
Xylene (Total)	**53600**	ug/kg	21000	5060	100	07/26/23 07:45	07/28/23 05:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	198	%	68-156		100	07/26/23 07:45	07/28/23 05:06	460-00-4	D3,S4
Toluene-d8 (S)	121	%	69-153		100	07/26/23 07:45	07/28/23 05:06	2037-26-5	S4

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523036 **Lab ID: 40265654005** Collected: 07/25/23 10:10 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
1,2-Dichlorobenzene-d4 (S)	418	%	71-161		100	07/26/23 07:45	07/28/23 05:06	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.7**	%	0.10	0.10	1		07/26/23 13:17		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.41J**	mg/kg	0.96	0.32	1	07/28/23 10:45	07/28/23 13:54	57-12-5	

Sample: 072523037 **Lab ID: 40265654006** Collected: 07/25/23 10:45 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.4**	mg/kg	1.0	0.31	6.667	07/27/23 06:01	07/28/23 22:37	7440-38-2	
Barium	**120**	mg/kg	1.0	0.31	6.667	07/27/23 06:01	07/28/23 22:37	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.78	0.11	6.667	07/27/23 06:01	07/28/23 22:37	7440-43-9	D3
Chromium	**37.1**	mg/kg	2.4	0.71	6.667	07/27/23 06:01	07/28/23 22:37	7440-47-3	
Lead	**7.0**	mg/kg	0.78	0.21	6.667	07/27/23 06:01	07/28/23 22:37	7439-92-1	
Selenium	**1.1**	mg/kg	0.78	0.21	6.667	07/27/23 06:01	07/28/23 22:37	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/27/23 06:01	07/28/23 22:37	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.019J**	mg/kg	0.038	0.011	1	07/28/23 10:28	07/31/23 08:00	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**69.7J**	ug/kg	202	26.3	10	07/27/23 07:45	07/27/23 15:12	83-32-9	
Acenaphthylene	**82.8J**	ug/kg	202	25.5	10	07/27/23 07:45	07/27/23 15:12	208-96-8	
Anthracene	**67.4J**	ug/kg	202	25.1	10	07/27/23 07:45	07/27/23 15:12	120-12-7	
Benzo(a)anthracene	**53.2J**	ug/kg	202	26.2	10	07/27/23 07:45	07/27/23 15:12	56-55-3	
Benzo(a)pyrene	**29.2J**	ug/kg	202	23.0	10	07/27/23 07:45	07/27/23 15:12	50-32-8	
Benzo(b)fluoranthene	**<28.1**	ug/kg	202	28.1	10	07/27/23 07:45	07/27/23 15:12	205-99-2	
Benzo(g,h,i)perylene	**<35.5**	ug/kg	202	35.5	10	07/27/23 07:45	07/27/23 15:12	191-24-2	
Benzo(k)fluoranthene	**<25.9**	ug/kg	202	25.9	10	07/27/23 07:45	07/27/23 15:12	207-08-9	
Chrysene	**55.3J**	ug/kg	202	38.2	10	07/27/23 07:45	07/27/23 15:12	218-01-9	
Dibenz(a,h)anthracene	**<28.0**	ug/kg	202	28.0	10	07/27/23 07:45	07/27/23 15:12	53-70-3	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523037 **Lab ID: 40265654006** Collected: 07/25/23 10:45 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Fluoranthene	**82.2J**	ug/kg	202	24.0	10	07/27/23 07:45	07/27/23 15:12	206-44-0	
Fluorene	**61.7J**	ug/kg	202	24.3	10	07/27/23 07:45	07/27/23 15:12	86-73-7	
Indeno(1,2,3-cd)pyrene	**<42.2**	ug/kg	202	42.2	10	07/27/23 07:45	07/27/23 15:12	193-39-5	
1-Methylnaphthalene	**364**	ug/kg	202	29.6	10	07/27/23 07:45	07/27/23 15:12	90-12-0	
2-Methylnaphthalene	**469**	ug/kg	202	29.6	10	07/27/23 07:45	07/27/23 15:12	91-57-6	
Naphthalene	**5040**	ug/kg	202	19.7	10	07/27/23 07:45	07/27/23 15:12	91-20-3	
Phenanthrene	**194J**	ug/kg	202	23.2	10	07/27/23 07:45	07/27/23 15:12	85-01-8	
Pyrene	**103J**	ug/kg	202	29.8	10	07/27/23 07:45	07/27/23 15:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	47	%	41-98		10	07/27/23 07:45	07/27/23 15:12	321-60-8	
Terphenyl-d14 (S)	44	%	37-106		10	07/27/23 07:45	07/27/23 15:12	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**13500**	ug/kg	28.4	16.9	1	07/26/23 07:45	07/28/23 03:25	71-43-2	
Ethylbenzene	**148**	ug/kg	71.1	16.9	1	07/26/23 07:45	07/28/23 03:25	100-41-4	
Toluene	**6160**	ug/kg	71.1	17.9	1	07/26/23 07:45	07/28/23 03:25	108-88-3	
1,2,4-Trimethylbenzene	**61.4J**	ug/kg	71.1	21.2	1	07/26/23 07:45	07/28/23 03:25	95-63-6	
Xylene (Total)	**1460**	ug/kg	213	51.3	1	07/26/23 07:45	07/28/23 03:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	120	%	68-156		1	07/26/23 07:45	07/28/23 03:25	460-00-4	
Toluene-d8 (S)	115	%	69-153		1	07/26/23 07:45	07/28/23 03:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	120	%	71-161		1	07/26/23 07:45	07/28/23 03:25	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.4**	%	0.10	0.10	1		07/26/23 13:17		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.68J**	mg/kg	1.0	0.34	1	07/28/23 10:45	07/28/23 13:55	57-12-5	

Sample: 072523038 **Lab ID: 40265654007** Collected: 07/25/23 11:05 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**8.9**	mg/kg	0.98	0.29	6.667	07/27/23 06:01	07/28/23 22:42	7440-38-2	
Barium	**73.1**	mg/kg	0.97	0.29	6.667	07/27/23 06:01	07/28/23 22:42	7440-39-3	
Cadmium	**0.59J**	mg/kg	0.74	0.11	6.667	07/27/23 06:01	07/28/23 22:42	7440-43-9	D3

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523038 **Lab ID: 40265654007** Collected: 07/25/23 11:05 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Chromium	**26.1**	mg/kg	2.3	0.68	6.667	07/27/23 06:01	07/28/23 22:42	7440-47-3	
Lead	**240**	mg/kg	0.74	0.20	6.667	07/27/23 06:01	07/28/23 22:42	7439-92-1	
Selenium	**1.2**	mg/kg	0.74	0.20	6.667	07/27/23 06:01	07/28/23 22:42	7782-49-2	
Silver	**<0.11**	mg/kg	0.37	0.11	6.667	07/27/23 06:01	07/28/23 22:42	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.86**	mg/kg	0.040	0.012	1	07/28/23 10:28	07/31/23 08:03	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**58.9J**	ug/kg	199	25.8	10	07/27/23 07:45	07/27/23 16:38	83-32-9	
Acenaphthylene	**520**	ug/kg	199	25.0	10	07/27/23 07:45	07/27/23 16:38	208-96-8	
Anthracene	**381**	ug/kg	199	24.6	10	07/27/23 07:45	07/27/23 16:38	120-12-7	
Benzo(a)anthracene	**1970**	ug/kg	199	25.7	10	07/27/23 07:45	07/27/23 16:38	56-55-3	
Benzo(a)pyrene	**2330**	ug/kg	199	22.6	10	07/27/23 07:45	07/27/23 16:38	50-32-8	
Benzo(b)fluoranthene	**3320**	ug/kg	199	27.6	10	07/27/23 07:45	07/27/23 16:38	205-99-2	
Benzo(g,h,i)perylene	**1980**	ug/kg	199	34.8	10	07/27/23 07:45	07/27/23 16:38	191-24-2	
Benzo(k)fluoranthene	**1220**	ug/kg	199	25.4	10	07/27/23 07:45	07/27/23 16:38	207-08-9	
Chrysene	**1960**	ug/kg	199	37.4	10	07/27/23 07:45	07/27/23 16:38	218-01-9	
Dibenz(a,h)anthracene	**577**	ug/kg	199	27.5	10	07/27/23 07:45	07/27/23 16:38	53-70-3	
Fluoranthene	**2920**	ug/kg	199	23.5	10	07/27/23 07:45	07/27/23 16:38	206-44-0	
Fluorene	**102J**	ug/kg	199	23.8	10	07/27/23 07:45	07/27/23 16:38	86-73-7	
Indeno(1,2,3-cd)pyrene	**1700**	ug/kg	199	41.4	10	07/27/23 07:45	07/27/23 16:38	193-39-5	
1-Methylnaphthalene	**170J**	ug/kg	199	29.0	10	07/27/23 07:45	07/27/23 16:38	90-12-0	
2-Methylnaphthalene	**253**	ug/kg	199	29.0	10	07/27/23 07:45	07/27/23 16:38	91-57-6	
Naphthalene	**750**	ug/kg	199	19.3	10	07/27/23 07:45	07/27/23 16:38	91-20-3	
Phenanthrene	**1100**	ug/kg	199	22.7	10	07/27/23 07:45	07/27/23 16:38	85-01-8	
Pyrene	**2740**	ug/kg	199	29.2	10	07/27/23 07:45	07/27/23 16:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	84	%	41-98		10	07/27/23 07:45	07/27/23 16:38	321-60-8	
Terphenyl-d14 (S)	78	%	37-106		10	07/27/23 07:45	07/27/23 16:38	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**103**	ug/kg	27.6	16.4	1	07/26/23 07:45	07/28/23 04:46	71-43-2	
Ethylbenzene	**72.8**	ug/kg	69.0	16.4	1	07/26/23 07:45	07/28/23 04:46	100-41-4	
Toluene	**85.3**	ug/kg	69.0	17.4	1	07/26/23 07:45	07/28/23 04:46	108-88-3	
1,2,4-Trimethylbenzene	**39.2J**	ug/kg	69.0	20.6	1	07/26/23 07:45	07/28/23 04:46	95-63-6	
Xylene (Total)	**120J**	ug/kg	207	49.8	1	07/26/23 07:45	07/28/23 04:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	123	%	68-156		1	07/26/23 07:45	07/28/23 04:46	460-00-4	
Toluene-d8 (S)	120	%	69-153		1	07/26/23 07:45	07/28/23 04:46	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	116	%	71-161		1	07/26/23 07:45	07/28/23 04:46	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523038 **Lab ID: 40265654007** Collected: 07/25/23 11:05 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**15.9**	%	0.10	0.10	1		07/26/23 13:17		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B								
	Pace Analytical Services - Green Bay								
Cyanide	**<0.35**	mg/kg	1.1	0.35	1	07/28/23 10:45	07/28/23 13:56	57-12-5	

Sample: 072523039 **Lab ID: 40265654008** Collected: 07/25/23 11:30 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B								
	Pace Analytical Services - Green Bay								
Arsenic	**2.8**	mg/kg	1.0	0.31	6.667	07/27/23 06:01	07/28/23 22:47	7440-38-2	
Barium	**59.7**	mg/kg	1.0	0.31	6.667	07/27/23 06:01	07/28/23 22:47	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.79	0.11	6.667	07/27/23 06:01	07/28/23 22:47	7440-43-9	D3
Chromium	**25.6**	mg/kg	2.4	0.72	6.667	07/27/23 06:01	07/28/23 22:47	7440-47-3	
Lead	**5.6**	mg/kg	0.79	0.21	6.667	07/27/23 06:01	07/28/23 22:47	7439-92-1	
Selenium	**0.83**	mg/kg	0.79	0.22	6.667	07/27/23 06:01	07/28/23 22:47	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/27/23 06:01	07/28/23 22:47	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
	Pace Analytical Services - Green Bay								
Mercury	**0.016J**	mg/kg	0.037	0.011	1	07/28/23 10:28	07/31/23 08:05	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**650J**	ug/kg	1980	256	100	07/27/23 07:45	07/27/23 16:55	83-32-9	
Acenaphthylene	**4350**	ug/kg	1980	249	100	07/27/23 07:45	07/27/23 16:55	208-96-8	
Anthracene	**3260**	ug/kg	1980	245	100	07/27/23 07:45	07/27/23 16:55	120-12-7	
Benzo(a)anthracene	**2250**	ug/kg	1980	255	100	07/27/23 07:45	07/27/23 16:55	56-55-3	
Benzo(a)pyrene	**1880J**	ug/kg	1980	224	100	07/27/23 07:45	07/27/23 16:55	50-32-8	
Benzo(b)fluoranthene	**1700J**	ug/kg	1980	274	100	07/27/23 07:45	07/27/23 16:55	205-99-2	
Benzo(g,h,i)perylene	**807J**	ug/kg	1980	347	100	07/27/23 07:45	07/27/23 16:55	191-24-2	
Benzo(k)fluoranthene	**694J**	ug/kg	1980	253	100	07/27/23 07:45	07/27/23 16:55	207-08-9	
Chrysene	**2420**	ug/kg	1980	373	100	07/27/23 07:45	07/27/23 16:55	218-01-9	
Dibenz(a,h)anthracene	**<273**	ug/kg	1980	273	100	07/27/23 07:45	07/27/23 16:55	53-70-3	
Fluoranthene	**4330**	ug/kg	1980	234	100	07/27/23 07:45	07/27/23 16:55	206-44-0	
Fluorene	**3830**	ug/kg	1980	237	100	07/27/23 07:45	07/27/23 16:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**634J**	ug/kg	1980	412	100	07/27/23 07:45	07/27/23 16:55	193-39-5	
1-Methylnaphthalene	**16600**	ug/kg	1980	289	100	07/27/23 07:45	07/27/23 16:55	90-12-0	
2-Methylnaphthalene	**25900**	ug/kg	1980	289	100	07/27/23 07:45	07/27/23 16:55	91-57-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523039 **Lab ID: 40265654008** Collected: 07/25/23 11:30 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Naphthalene	**82600**	ug/kg	1980	193	100	07/27/23 07:45	07/27/23 16:55	91-20-3	
Phenanthrene	**11100**	ug/kg	1980	226	100	07/27/23 07:45	07/27/23 16:55	85-01-8	
Pyrene	**5130**	ug/kg	1980	290	100	07/27/23 07:45	07/27/23 16:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	98	%	41-98		100	07/27/23 07:45	07/27/23 16:55	321-60-8	
Terphenyl-d14 (S)	95	%	37-106		100	07/27/23 07:45	07/27/23 16:55	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**3820**	ug/kg	685	407	25	07/26/23 07:45	07/28/23 06:06	71-43-2	
Ethylbenzene	**3130**	ug/kg	1710	407	25	07/26/23 07:45	07/28/23 06:06	100-41-4	
Toluene	**1040J**	ug/kg	1710	431	25	07/26/23 07:45	07/28/23 06:06	108-88-3	
1,2,4-Trimethylbenzene	**4270**	ug/kg	1710	510	25	07/26/23 07:45	07/28/23 06:06	95-63-6	
Xylene (Total)	**10800**	ug/kg	5130	1240	25	07/26/23 07:45	07/28/23 06:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	116	%	68-156		25	07/26/23 07:45	07/28/23 06:06	460-00-4	D3,S4
Toluene-d8 (S)	96	%	69-153		25	07/26/23 07:45	07/28/23 06:06	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	122	%	71-161		25	07/26/23 07:45	07/28/23 06:06	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.6**	%	0.10	0.10	1		07/26/23 13:17		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.32J**	mg/kg	0.92	0.31	1	07/28/23 10:45	07/28/23 13:56	57-12-5	

Sample: 072523040 **Lab ID: 40265654009** Collected: 07/25/23 11:40 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.2**	mg/kg	1.1	0.33	6.667	07/27/23 06:01	07/28/23 22:52	7440-38-2	
Barium	**95.8**	mg/kg	1.1	0.32	6.667	07/27/23 06:01	07/28/23 22:52	7440-39-3	
Cadmium	**<0.12**	mg/kg	0.82	0.12	6.667	07/27/23 06:01	07/28/23 22:52	7440-43-9	D3
Chromium	**35.9**	mg/kg	2.5	0.75	6.667	07/27/23 06:01	07/28/23 22:52	7440-47-3	
Lead	**7.2**	mg/kg	0.82	0.22	6.667	07/27/23 06:01	07/28/23 22:52	7439-92-1	
Selenium	**1.1**	mg/kg	0.82	0.22	6.667	07/27/23 06:01	07/28/23 22:52	7782-49-2	
Silver	**<0.12**	mg/kg	0.41	0.12	6.667	07/27/23 06:01	07/28/23 22:52	7440-22-4	D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523040 **Lab ID: 40265654009** Collected: 07/25/23 11:40 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.011J**	mg/kg	0.039	0.011	1	08/01/23 06:05	08/01/23 10:20	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<27.2**	ug/kg	210	27.2	10	07/27/23 07:45	07/27/23 15:29	83-32-9	
Acenaphthylene	**187J**	ug/kg	210	26.4	10	07/27/23 07:45	07/27/23 15:29	208-96-8	
Anthracene	**62.3J**	ug/kg	210	26.0	10	07/27/23 07:45	07/27/23 15:29	120-12-7	
Benzo(a)anthracene	**40.5J**	ug/kg	210	27.1	10	07/27/23 07:45	07/27/23 15:29	56-55-3	
Benzo(a)pyrene	**24.8J**	ug/kg	210	23.8	10	07/27/23 07:45	07/27/23 15:29	50-32-8	
Benzo(b)fluoranthene	**<29.1**	ug/kg	210	29.1	10	07/27/23 07:45	07/27/23 15:29	205-99-2	
Benzo(g,h,i)perylene	**<36.8**	ug/kg	210	36.8	10	07/27/23 07:45	07/27/23 15:29	191-24-2	
Benzo(k)fluoranthene	**<26.8**	ug/kg	210	26.8	10	07/27/23 07:45	07/27/23 15:29	207-08-9	
Chrysene	**43.0J**	ug/kg	210	39.5	10	07/27/23 07:45	07/27/23 15:29	218-01-9	
Dibenz(a,h)anthracene	**<29.0**	ug/kg	210	29.0	10	07/27/23 07:45	07/27/23 15:29	53-70-3	
Fluoranthene	**70.2J**	ug/kg	210	24.8	10	07/27/23 07:45	07/27/23 15:29	206-44-0	
Fluorene	**56.3J**	ug/kg	210	25.1	10	07/27/23 07:45	07/27/23 15:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**<43.7**	ug/kg	210	43.7	10	07/27/23 07:45	07/27/23 15:29	193-39-5	
1-Methylnaphthalene	**434**	ug/kg	210	30.6	10	07/27/23 07:45	07/27/23 15:29	90-12-0	
2-Methylnaphthalene	**657**	ug/kg	210	30.7	10	07/27/23 07:45	07/27/23 15:29	91-57-6	
Naphthalene	**4300**	ug/kg	210	20.4	10	07/27/23 07:45	07/27/23 15:29	91-20-3	
Phenanthrene	**153J**	ug/kg	210	24.0	10	07/27/23 07:45	07/27/23 15:29	85-01-8	
Pyrene	**82.9J**	ug/kg	210	30.8	10	07/27/23 07:45	07/27/23 15:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	41-98		10	07/27/23 07:45	07/27/23 15:29	321-60-8	
Terphenyl-d14 (S)	47	%	37-106		10	07/27/23 07:45	07/27/23 15:29	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**8160**	ug/kg	242	144	8	07/26/23 07:45	07/28/23 06:46	71-43-2	
Ethylbenzene	**1230**	ug/kg	605	144	8	07/26/23 07:45	07/28/23 06:46	100-41-4	
Toluene	**10100**	ug/kg	605	153	8	07/26/23 07:45	07/28/23 06:46	108-88-3	
1,2,4-Trimethylbenzene	**1900**	ug/kg	605	180	8	07/26/23 07:45	07/28/23 06:46	95-63-6	
Xylene (Total)	**8510**	ug/kg	1820	437	8	07/26/23 07:45	07/28/23 06:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	68-156		8	07/26/23 07:45	07/28/23 06:46	460-00-4	D3
Toluene-d8 (S)	109	%	69-153		8	07/26/23 07:45	07/28/23 06:46	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	121	%	71-161		8	07/26/23 07:45	07/28/23 06:46	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**20.4**	%	0.10	0.10	1		07/26/23 13:18		

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523040 **Lab ID: 40265654009** Collected: 07/25/23 11:40 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.38**	mg/kg	1.1	0.38	1	07/28/23 10:45	07/28/23 13:57	57-12-5	

Sample: 072523041 **Lab ID: 40265654010** Collected: 07/25/23 13:00 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**5.8**	mg/kg	1.0	0.31	6.667	07/27/23 06:01	07/28/23 22:57	7440-38-2	
Barium	**91.8**	mg/kg	1.0	0.30	6.667	07/27/23 06:01	07/28/23 22:57	7440-39-3	
Cadmium	**0.62J**	mg/kg	0.77	0.11	6.667	07/27/23 06:01	07/28/23 22:57	7440-43-9	D3
Chromium	**24.4**	mg/kg	2.3	0.70	6.667	07/27/23 06:01	07/28/23 22:57	7440-47-3	
Lead	**130**	mg/kg	0.77	0.21	6.667	07/27/23 06:01	07/28/23 22:57	7439-92-1	
Selenium	**1.5**	mg/kg	0.77	0.21	6.667	07/27/23 06:01	07/28/23 22:57	7782-49-2	
Silver	**<0.11**	mg/kg	0.39	0.11	6.667	07/27/23 06:01	07/28/23 22:57	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.27**	mg/kg	0.038	0.011	1	08/01/23 06:05	08/01/23 10:22	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**19800**	ug/kg	4010	520	200	07/27/23 07:45	07/27/23 17:13	83-32-9	
Acenaphthylene	**1490J**	ug/kg	4010	505	200	07/27/23 07:45	07/27/23 17:13	208-96-8	
Anthracene	**5370**	ug/kg	4010	497	200	07/27/23 07:45	07/27/23 17:13	120-12-7	
Benzo(a)anthracene	**4400**	ug/kg	4010	518	200	07/27/23 07:45	07/27/23 17:13	56-55-3	
Benzo(a)pyrene	**3520J**	ug/kg	4010	455	200	07/27/23 07:45	07/27/23 17:13	50-32-8	
Benzo(b)fluoranthene	**3800J**	ug/kg	4010	557	200	07/27/23 07:45	07/27/23 17:13	205-99-2	
Benzo(g,h,i)perylene	**2190J**	ug/kg	4010	703	200	07/27/23 07:45	07/27/23 17:13	191-24-2	
Benzo(k)fluoranthene	**1510J**	ug/kg	4010	512	200	07/27/23 07:45	07/27/23 17:13	207-08-9	
Chrysene	**4840**	ug/kg	4010	756	200	07/27/23 07:45	07/27/23 17:13	218-01-9	
Dibenz(a,h)anthracene	**585J**	ug/kg	4010	555	200	07/27/23 07:45	07/27/23 17:13	53-70-3	
Fluoranthene	**7600**	ug/kg	4010	474	200	07/27/23 07:45	07/27/23 17:13	206-44-0	
Fluorene	**9480**	ug/kg	4010	481	200	07/27/23 07:45	07/27/23 17:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**1510J**	ug/kg	4010	835	200	07/27/23 07:45	07/27/23 17:13	193-39-5	
1-Methylnaphthalene	**44100**	ug/kg	4010	586	200	07/27/23 07:45	07/27/23 17:13	90-12-0	
2-Methylnaphthalene	**18000**	ug/kg	4010	586	200	07/27/23 07:45	07/27/23 17:13	91-57-6	
Naphthalene	**97800**	ug/kg	4010	391	200	07/27/23 07:45	07/27/23 17:13	91-20-3	
Phenanthrene	**21400**	ug/kg	4010	459	200	07/27/23 07:45	07/27/23 17:13	85-01-8	
Pyrene	**8210**	ug/kg	4010	589	200	07/27/23 07:45	07/27/23 17:13	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523041 **Lab ID: 40265654010** Collected: 07/25/23 13:00 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Surrogates									
2-Fluorobiphenyl (S)	67	%	41-98		200	07/27/23 07:45	07/27/23 17:13	321-60-8	
Terphenyl-d14 (S)	58	%	37-106		200	07/27/23 07:45	07/27/23 17:13	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<666**	ug/kg	1120	666	40	07/26/23 07:45	07/28/23 05:46	71-43-2	
Ethylbenzene	**2650J**	ug/kg	2800	666	40	07/26/23 07:45	07/28/23 05:46	100-41-4	
Toluene	**<705**	ug/kg	2800	705	40	07/26/23 07:45	07/28/23 05:46	108-88-3	
1,2,4-Trimethylbenzene	**4470**	ug/kg	2800	834	40	07/26/23 07:45	07/28/23 05:46	95-63-6	
Xylene (Total)	**<2020**	ug/kg	8400	2020	40	07/26/23 07:45	07/28/23 05:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	120	%	68-156		40	07/26/23 07:45	07/28/23 05:46	460-00-4	D3,S4
Toluene-d8 (S)	109	%	69-153		40	07/26/23 07:45	07/28/23 05:46	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	146	%	71-161		40	07/26/23 07:45	07/28/23 05:46	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.6**	%	0.10	0.10	1		07/26/23 13:18		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.51J**	mg/kg	1.0	0.34	1	07/28/23 10:45	07/28/23 13:58	57-12-5	

Sample: 072523042 **Lab ID: 40265654011** Collected: 07/25/23 13:05 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.5**	mg/kg	1.3	0.39	6.667	07/27/23 06:01	07/28/23 23:02	7440-38-2	
Barium	**85.5**	mg/kg	1.3	0.39	6.667	07/27/23 06:01	07/28/23 23:02	7440-39-3	
Cadmium	**0.70J**	mg/kg	0.98	0.14	6.667	07/27/23 06:01	07/28/23 23:02	7440-43-9	D3
Chromium	**25.7**	mg/kg	3.0	0.90	6.667	07/27/23 06:01	07/28/23 23:02	7440-47-3	
Lead	**7.2**	mg/kg	0.98	0.27	6.667	07/27/23 06:01	07/28/23 23:02	7439-92-1	
Selenium	**1.3**	mg/kg	0.98	0.27	6.667	07/27/23 06:01	07/28/23 23:02	7782-49-2	
Silver	**<0.14**	mg/kg	0.49	0.14	6.667	07/27/23 06:01	07/28/23 23:02	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.045J**	mg/kg	0.048	0.014	1	08/01/23 06:05	08/01/23 10:24	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523042 **Lab ID: 40265654011** Collected: 07/25/23 13:05 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**2550**	ug/kg	2050	266	80	07/27/23 07:45	07/27/23 17:30	83-32-9	
Acenaphthylene	**<259**	ug/kg	2050	259	80	07/27/23 07:45	07/27/23 17:30	208-96-8	
Anthracene	**592J**	ug/kg	2050	255	80	07/27/23 07:45	07/27/23 17:30	120-12-7	
Benzo(a)anthracene	**350J**	ug/kg	2050	265	80	07/27/23 07:45	07/27/23 17:30	56-55-3	
Benzo(a)pyrene	**<233**	ug/kg	2050	233	80	07/27/23 07:45	07/27/23 17:30	50-32-8	
Benzo(b)fluoranthene	**<285**	ug/kg	2050	285	80	07/27/23 07:45	07/27/23 17:30	205-99-2	
Benzo(g,h,i)perylene	**<360**	ug/kg	2050	360	80	07/27/23 07:45	07/27/23 17:30	191-24-2	
Benzo(k)fluoranthene	**<263**	ug/kg	2050	263	80	07/27/23 07:45	07/27/23 17:30	207-08-9	
Chrysene	**<387**	ug/kg	2050	387	80	07/27/23 07:45	07/27/23 17:30	218-01-9	
Dibenz(a,h)anthracene	**<284**	ug/kg	2050	284	80	07/27/23 07:45	07/27/23 17:30	53-70-3	
Fluoranthene	**534J**	ug/kg	2050	243	80	07/27/23 07:45	07/27/23 17:30	206-44-0	
Fluorene	**936J**	ug/kg	2050	246	80	07/27/23 07:45	07/27/23 17:30	86-73-7	
Indeno(1,2,3-cd)pyrene	**<428**	ug/kg	2050	428	80	07/27/23 07:45	07/27/23 17:30	193-39-5	
1-Methylnaphthalene	**4420**	ug/kg	2050	300	80	07/27/23 07:45	07/27/23 17:30	90-12-0	
2-Methylnaphthalene	**2860**	ug/kg	2050	300	80	07/27/23 07:45	07/27/23 17:30	91-57-6	
Naphthalene	**31700**	ug/kg	2050	200	80	07/27/23 07:45	07/27/23 17:30	91-20-3	
Phenanthrene	**2070**	ug/kg	2050	235	80	07/27/23 07:45	07/27/23 17:30	85-01-8	
Pyrene	**587J**	ug/kg	2050	302	80	07/27/23 07:45	07/27/23 17:30	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	41-98		80	07/27/23 07:45	07/27/23 17:30	321-60-8	
Terphenyl-d14 (S)	57	%	37-106		80	07/27/23 07:45	07/27/23 17:30	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<24.7**	ug/kg	41.5	24.7	1	07/26/23 07:45	07/28/23 03:46	71-43-2	
Ethylbenzene	**41.2J**	ug/kg	104	24.7	1	07/26/23 07:45	07/28/23 03:46	100-41-4	
Toluene	**<26.2**	ug/kg	104	26.2	1	07/26/23 07:45	07/28/23 03:46	108-88-3	
1,2,4-Trimethylbenzene	**86.4J**	ug/kg	104	31.0	1	07/26/23 07:45	07/28/23 03:46	95-63-6	
Xylene (Total)	**<75.0**	ug/kg	312	75.0	1	07/26/23 07:45	07/28/23 03:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	143	%	68-156		1	07/26/23 07:45	07/28/23 03:46	460-00-4	
Toluene-d8 (S)	138	%	69-153		1	07/26/23 07:45	07/28/23 03:46	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	142	%	71-161		1	07/26/23 07:45	07/28/23 03:46	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**35.0**	%	0.10	0.10	1		07/26/23 13:18		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.46J**	mg/kg	1.4	0.46	1	07/28/23 10:45	07/28/23 13:59	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523043 **Lab ID: 40265654012** Collected: 07/25/23 13:10 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.2**	mg/kg	1.1	0.32	6.667	07/27/23 06:01	07/28/23 23:08	7440-38-2	
Barium	**74.9**	mg/kg	1.1	0.32	6.667	07/27/23 06:01	07/28/23 23:08	7440-39-3	
Cadmium	**<0.12**	mg/kg	0.82	0.12	6.667	07/27/23 06:01	07/28/23 23:08	7440-43-9	D3
Chromium	**39.6**	mg/kg	2.5	0.75	6.667	07/27/23 06:01	07/28/23 23:08	7440-47-3	
Lead	**8.2**	mg/kg	0.82	0.22	6.667	07/27/23 06:01	07/28/23 23:08	7439-92-1	
Selenium	**0.85**	mg/kg	0.82	0.22	6.667	07/27/23 06:01	07/28/23 23:08	7782-49-2	
Silver	**<0.12**	mg/kg	0.41	0.12	6.667	07/27/23 06:01	07/28/23 23:08	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.022J**	mg/kg	0.040	0.011	1	08/01/23 06:05	08/01/23 10:27	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**164**	ug/kg	21.4	2.8	1	07/27/23 07:45	07/27/23 13:45	83-32-9	
Acenaphthylene	**40.8**	ug/kg	21.4	2.7	1	07/27/23 07:45	07/27/23 13:45	208-96-8	
Anthracene	**9.4J**	ug/kg	21.4	2.7	1	07/27/23 07:45	07/27/23 13:45	120-12-7	
Benzo(a)anthracene	**<2.8**	ug/kg	21.4	2.8	1	07/27/23 07:45	07/27/23 13:45	56-55-3	
Benzo(a)pyrene	**<2.4**	ug/kg	21.4	2.4	1	07/27/23 07:45	07/27/23 13:45	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	21.4	3.0	1	07/27/23 07:45	07/27/23 13:45	205-99-2	
Benzo(g,h,i)perylene	**<3.8**	ug/kg	21.4	3.8	1	07/27/23 07:45	07/27/23 13:45	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	21.4	2.7	1	07/27/23 07:45	07/27/23 13:45	207-08-9	
Chrysene	**<4.0**	ug/kg	21.4	4.0	1	07/27/23 07:45	07/27/23 13:45	218-01-9	
Dibenz(a,h)anthracene	**<3.0**	ug/kg	21.4	3.0	1	07/27/23 07:45	07/27/23 13:45	53-70-3	
Fluoranthene	**3.9J**	ug/kg	21.4	2.5	1	07/27/23 07:45	07/27/23 13:45	206-44-0	
Fluorene	**117**	ug/kg	21.4	2.6	1	07/27/23 07:45	07/27/23 13:45	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.5**	ug/kg	21.4	4.5	1	07/27/23 07:45	07/27/23 13:45	193-39-5	
1-Methylnaphthalene	**12.9J**	ug/kg	21.4	3.1	1	07/27/23 07:45	07/27/23 13:45	90-12-0	
2-Methylnaphthalene	**6.7J**	ug/kg	21.4	3.1	1	07/27/23 07:45	07/27/23 13:45	91-57-6	
Naphthalene	**59.7**	ug/kg	21.4	2.1	1	07/27/23 07:45	07/27/23 13:45	91-20-3	
Phenanthrene	**8.2J**	ug/kg	21.4	2.5	1	07/27/23 07:45	07/27/23 13:45	85-01-8	
Pyrene	**3.6J**	ug/kg	21.4	3.2	1	07/27/23 07:45	07/27/23 13:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	41-98		1	07/27/23 07:45	07/27/23 13:45	321-60-8	
Terphenyl-d14 (S)	46	%	37-106		1	07/27/23 07:45	07/27/23 13:45	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<18.7**	ug/kg	31.4	18.7	1	07/26/23 07:45	07/28/23 09:58	71-43-2	
Ethylbenzene	**<18.7**	ug/kg	78.6	18.7	1	07/26/23 07:45	07/28/23 09:58	100-41-4	
Toluene	**<19.8**	ug/kg	78.6	19.8	1	07/26/23 07:45	07/28/23 09:58	108-88-3	
1,2,4-Trimethylbenzene	**<23.4**	ug/kg	78.6	23.4	1	07/26/23 07:45	07/28/23 09:58	95-63-6	
Xylene (Total)	**<56.8**	ug/kg	236	56.8	1	07/26/23 07:45	07/28/23 09:58	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Sample: 072523043 **Lab ID: 40265654012** Collected: 07/25/23 13:10 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	115	%	68-156		1	07/26/23 07:45	07/28/23 09:58	460-00-4	
Toluene-d8 (S)	109	%	69-153		1	07/26/23 07:45	07/28/23 09:58	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	113	%	71-161		1	07/26/23 07:45	07/28/23 09:58	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**22.2**	%	0.10	0.10	1		07/26/23 13:18		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.34**	mg/kg	1.0	0.34	1	07/28/23 10:45	07/28/23 13:59	57-12-5	M0

Sample: 072523044 **Lab ID: 40265654013** Collected: 07/25/23 00:00 Received: 07/25/23 14:43 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<11.9**	ug/kg	20.0	11.9	1	07/27/23 07:30	07/27/23 14:03	71-43-2	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	07/27/23 07:30	07/27/23 14:03	100-41-4	
Toluene	**<12.6**	ug/kg	50.0	12.6	1	07/27/23 07:30	07/27/23 14:03	108-88-3	
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	07/27/23 07:30	07/27/23 14:03	95-63-6	
Xylene (Total)	**<36.1**	ug/kg	150	36.1	1	07/27/23 07:30	07/27/23 14:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	68-156		1	07/27/23 07:30	07/27/23 14:03	460-00-4	
Toluene-d8 (S)	92	%	69-153		1	07/27/23 07:30	07/27/23 14:03	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	96	%	71-161		1	07/27/23 07:30	07/27/23 14:03	2199-69-1	

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

QC Batch: 450839 | Analysis Method: EPA 7471
QC Batch Method: EPA 7471 | Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265654001, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008

METHOD BLANK: 2590083 Matrix: Solid
Associated Lab Samples: 40265654001, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	07/31/23 07:07	

LABORATORY CONTROL SAMPLE: 2590084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.90	108	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2590085 2590086

Parameter	Units	40265713001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.027J	0.99	0.98	1.1	1.1	108	108	85-115	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

QC Batch: 451117 — Analysis Method: EPA 7471
QC Batch Method: EPA 7471 — Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265654002, 40265654009, 40265654010, 40265654011, 40265654012

METHOD BLANK: 2592075 — Matrix: Solid
Associated Lab Samples: 40265654002, 40265654009, 40265654010, 40265654011, 40265654012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	08/01/23 10:03	

LABORATORY CONTROL SAMPLE: 2592076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.86	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592077 2592078

Parameter	Units	40265654002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.012	0.96	0.96	1.0	1.0	107	107	85-115	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592079 2592080

Parameter	Units	40265723001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.012	0.98	0.99	1.1	1.1	107	107	85-115	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

QC Batch: 450680
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265654001, 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

METHOD BLANK: 2589192 Matrix: Solid
Associated Lab Samples: 40265654001, 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.040	0.13	07/31/23 19:48	
Barium	mg/kg	<0.039	0.13	07/31/23 19:48	
Cadmium	mg/kg	<0.015	0.10	07/31/23 19:48	
Chromium	mg/kg	<0.091	0.30	07/31/23 19:48	
Lead	mg/kg	<0.027	0.10	07/31/23 19:48	
Selenium	mg/kg	<0.027	0.10	07/31/23 19:48	
Silver	mg/kg	<0.014	0.050	07/31/23 19:48	

LABORATORY CONTROL SAMPLE: 2589193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	25.8	103	80-120	
Barium	mg/kg	25	25.6	103	80-120	
Cadmium	mg/kg	25	25.8	103	80-120	
Chromium	mg/kg	25	25.2	101	80-120	
Lead	mg/kg	25	25.6	102	80-120	
Selenium	mg/kg	25	26.0	104	80-120	
Silver	mg/kg	12.5	12.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589194 2589195

Parameter	Units	40265654002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.1	28.9	28.9	29.8	30.2	99	101	75-125	1	20	
Barium	mg/kg	18.0	28.9	28.9	71.2	53.4	184	123	75-125	29	20	M0,R1
Cadmium	mg/kg	<0.11	28.9	28.9	29.0	29.5	100	102	75-125	2	20	
Chromium	mg/kg	13.8	28.9	28.9	50.2	41.6	126	96	75-125	19	20	M0
Lead	mg/kg	2.0	28.9	28.9	32.3	31.1	105	101	75-125	4	20	
Selenium	mg/kg	0.35J	28.9	28.9	28.8	29.9	99	102	75-125	4	20	
Silver	mg/kg	<0.11	14.4	14.4	14.1	14.6	97	101	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

QC Batch: 450687
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

METHOD BLANK: 2589224 Matrix: Solid
Associated Lab Samples: 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	07/27/23 20:02	
Benzene	ug/kg	<11.9	20.0	07/27/23 20:02	
Ethylbenzene	ug/kg	<11.9	50.0	07/27/23 20:02	
Toluene	ug/kg	<12.6	50.0	07/27/23 20:02	
Xylene (Total)	ug/kg	<36.1	150	07/27/23 20:02	
1,2-Dichlorobenzene-d4 (S)	%	107	71-161	07/27/23 20:02	
4-Bromofluorobenzene (S)	%	108	68-156	07/27/23 20:02	
Toluene-d8 (S)	%	106	69-153	07/27/23 20:02	

LABORATORY CONTROL SAMPLE: 2589225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2620	105	70-130	
Ethylbenzene	ug/kg	2500	2590	103	80-120	
Toluene	ug/kg	2500	2570	103	80-120	
Xylene (Total)	ug/kg	7500	8030	107	70-130	
1,2-Dichlorobenzene-d4 (S)	%			105	71-161	
4-Bromofluorobenzene (S)	%			110	68-156	
Toluene-d8 (S)	%			107	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589226 2589227

Parameter	Units	40265654002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	33.9	1160	1170	1720	1470	145	123	70-130	15	20	M1
Ethylbenzene	ug/kg	<15.7	1160	1170	1430	1510	123	129	80-120	5	20	M1
Toluene	ug/kg	27.1J	1160	1170	1680	1400	142	118	79-120	18	20	M1
Xylene (Total)	ug/kg	<47.6	3480	3500	4480	4660	129	133	70-130	4	20	MS
1,2-Dichlorobenzene-d4 (S)	%						118	119	71-161			
4-Bromofluorobenzene (S)	%						125	132	68-156			
Toluene-d8 (S)	%						117	117	69-153			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

QC Batch: 450794
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265654001, 40265654013

METHOD BLANK: 2589847 Matrix: Solid
Associated Lab Samples: 40265654001, 40265654013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	07/27/23 11:02	
Benzene	ug/kg	<11.9	20.0	07/27/23 11:02	
Ethylbenzene	ug/kg	<11.9	50.0	07/27/23 11:02	
Toluene	ug/kg	<12.6	50.0	07/27/23 11:02	
Xylene (Total)	ug/kg	<36.1	150	07/27/23 11:02	
1,2-Dichlorobenzene-d4 (S)	%	101	71-161	07/27/23 11:02	
4-Bromofluorobenzene (S)	%	103	68-156	07/27/23 11:02	
Toluene-d8 (S)	%	96	69-153	07/27/23 11:02	

LABORATORY CONTROL SAMPLE: 2589848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg		2420			
Benzene	ug/kg	2500	2450	98	70-130	
Ethylbenzene	ug/kg	2500	2430	97	80-120	
Toluene	ug/kg	2500	2300	92	80-120	
Xylene (Total)	ug/kg	7500	7070	94	70-130	
1,2-Dichlorobenzene-d4 (S)	%			96	71-161	
4-Bromofluorobenzene (S)	%			100	68-156	
Toluene-d8 (S)	%			101	69-153	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

QC Batch: 450779
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265654001, 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

METHOD BLANK: 2589804 Matrix: Solid
Associated Lab Samples: 40265654001, 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	07/27/23 10:53	
2-Methylnaphthalene	ug/kg	<2.4	16.7	07/27/23 10:53	
Acenaphthene	ug/kg	<2.2	16.7	07/27/23 10:53	
Acenaphthylene	ug/kg	<2.1	16.7	07/27/23 10:53	
Anthracene	ug/kg	<2.1	16.7	07/27/23 10:53	
Benzo(a)anthracene	ug/kg	<2.2	16.7	07/27/23 10:53	
Benzo(a)pyrene	ug/kg	<1.9	16.7	07/27/23 10:53	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	07/27/23 10:53	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	07/27/23 10:53	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	07/27/23 10:53	
Chrysene	ug/kg	<3.2	16.7	07/27/23 10:53	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	07/27/23 10:53	
Fluoranthene	ug/kg	<2.0	16.7	07/27/23 10:53	
Fluorene	ug/kg	<2.0	16.7	07/27/23 10:53	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	07/27/23 10:53	
Naphthalene	ug/kg	<1.6	16.7	07/27/23 10:53	
Phenanthrene	ug/kg	<1.9	16.7	07/27/23 10:53	
Pyrene	ug/kg	<2.5	16.7	07/27/23 10:53	
2-Fluorobiphenyl (S)	%	73	41-98	07/27/23 10:53	
Terphenyl-d14 (S)	%	86	37-106	07/27/23 10:53	

LABORATORY CONTROL SAMPLE: 2589805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	251	75	64-110	
2-Methylnaphthalene	ug/kg	333	236	71	60-110	
Acenaphthene	ug/kg	333	245	74	69-120	
Acenaphthylene	ug/kg	333	249	75	63-120	
Anthracene	ug/kg	333	273	82	71-112	
Benzo(a)anthracene	ug/kg	333	232	70	62-120	
Benzo(a)pyrene	ug/kg	333	248	74	71-111	
Benzo(b)fluoranthene	ug/kg	333	265	80	59-112	
Benzo(g,h,i)perylene	ug/kg	333	285	86	64-115	
Benzo(k)fluoranthene	ug/kg	333	260	78	72-117	
Chrysene	ug/kg	333	277	83	75-120	
Dibenz(a,h)anthracene	ug/kg	333	279	84	67-114	
Fluoranthene	ug/kg	333	263	79	70-110	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

LABORATORY CONTROL SAMPLE: 2589805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	333	259	78	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	333	279	84	71-114	
Naphthalene	ug/kg	333	230	69	62-120	
Phenanthrene	ug/kg	333	260	78	59-106	
Pyrene	ug/kg	333	272	82	69-120	
2-Fluorobiphenyl (S)	%			78	41-98	
Terphenyl-d14 (S)	%			82	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589806 2589807

Parameter	Units	40265654002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	11.3J	386	387	256	265	63	66	51-110	4	34	
2-Methylnaphthalene	ug/kg	15.5J	386	387	266	271	65	66	45-110	2	29	
Acenaphthene	ug/kg	53.8	386	387	284	285	60	60	52-120	0	26	
Acenaphthylene	ug/kg	44.5	386	387	303	317	67	70	46-120	4	22	
Anthracene	ug/kg	17.9J	386	387	272	282	66	68	50-112	3	25	
Benzo(a)anthracene	ug/kg	90.2	386	387	432	427	88	87	41-120	1	37	
Benzo(a)pyrene	ug/kg	95.1	386	387	454	456	93	93	44-114	0	33	
Benzo(b)fluoranthene	ug/kg	152	386	387	541	542	101	101	41-112	0	43	
Benzo(g,h,i)perylene	ug/kg	83.9	386	387	406	414	83	85	40-115	2	36	
Benzo(k)fluoranthene	ug/kg	53.3	386	387	379	384	84	85	56-117	1	30	
Chrysene	ug/kg	96.2	386	387	428	421	86	84	45-120	2	28	
Dibenz(a,h)anthracene	ug/kg	27.7	386	387	278	293	65	69	44-114	5	33	
Fluoranthene	ug/kg	144	386	387	557	521	107	97	55-110	7	43	
Fluorene	ug/kg	11.7J	386	387	259	262	64	65	47-104	1	27	
Indeno(1,2,3-cd)pyrene	ug/kg	73.6	386	387	383	393	80	82	45-114	3	33	
Naphthalene	ug/kg	55.3	386	387	333	334	72	72	47-120	0	26	
Phenanthrene	ug/kg	57.8	386	387	377	333	82	71	38-106	12	24	
Pyrene	ug/kg	137	386	387	518	488	98	90	51-120	6	41	
2-Fluorobiphenyl (S)	%						65	69	41-98			
Terphenyl-d14 (S)	%						62	67	37-106			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

QC Batch: 450731
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265654001, 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

SAMPLE DUPLICATE: 2589532

Parameter	Units	40265654005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.7	17.2	3	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

QC Batch: 450818 Analysis Method: EPA 9012B
QC Batch Method: EPA 9012B Analysis Description: 9012 Cyanide
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265654001, 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

METHOD BLANK: 2589980 Matrix: Solid
Associated Lab Samples: 40265654001, 40265654002, 40265654003, 40265654004, 40265654005, 40265654006, 40265654007, 40265654008, 40265654009, 40265654010, 40265654011, 40265654012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.31	0.92	07/28/23 13:46	

LABORATORY CONTROL SAMPLE: 2589981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3	3.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589982 2589983

Parameter	Units	40265654002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	0.43J	2.9	2.9	2.9	2.9	86	85	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589984 2589985

Parameter	Units	40265654012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	<0.34	3.3	3.5	2.9	3.5	76	90	80-120	18	20	M0

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

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.

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
SD	The serial dilution and the original analysis did not agree within ±10%. The concentration is estimated due to a suspected chemical or physical interference.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265654001	**072523032**	EPA 3050B	450680	EPA 6020B	450849
40265654002	**072523033**	EPA 3050B	450680	EPA 6020B	450849
40265654003	**072523034**	EPA 3050B	450680	EPA 6020B	450849
40265654004	**072523035**	EPA 3050B	450680	EPA 6020B	450849
40265654005	**072523036**	EPA 3050B	450680	EPA 6020B	450849
40265654006	**072523037**	EPA 3050B	450680	EPA 6020B	450849
40265654007	**072523038**	EPA 3050B	450680	EPA 6020B	450849
40265654008	**072523039**	EPA 3050B	450680	EPA 6020B	450849
40265654009	**072523040**	EPA 3050B	450680	EPA 6020B	450849
40265654010	**072523041**	EPA 3050B	450680	EPA 6020B	450849
40265654011	**072523042**	EPA 3050B	450680	EPA 6020B	450849
40265654012	**072523043**	EPA 3050B	450680	EPA 6020B	450849
40265654001	**072523032**	EPA 7471	450839	EPA 7471	450952
40265654002	**072523033**	EPA 7471	451117	EPA 7471	451132
40265654003	**072523034**	EPA 7471	450839	EPA 7471	450952
40265654004	**072523035**	EPA 7471	450839	EPA 7471	450952
40265654005	**072523036**	EPA 7471	450839	EPA 7471	450952
40265654006	**072523037**	EPA 7471	450839	EPA 7471	450952
40265654007	**072523038**	EPA 7471	450839	EPA 7471	450952
40265654008	**072523039**	EPA 7471	450839	EPA 7471	450952
40265654009	**072523040**	EPA 7471	451117	EPA 7471	451132
40265654010	**072523041**	EPA 7471	451117	EPA 7471	451132
40265654011	**072523042**	EPA 7471	451117	EPA 7471	451132
40265654012	**072523043**	EPA 7471	451117	EPA 7471	451132
40265654001	**072523032**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654002	**072523033**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654003	**072523034**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654004	**072523035**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654005	**072523036**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654006	**072523037**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654007	**072523038**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654008	**072523039**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654009	**072523040**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654010	**072523041**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654011	**072523042**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654012	**072523043**	EPA 3546	450779	EPA 8270E by SIM	450823
40265654001	**072523032**	EPA 5035/5030B	450794	EPA 8260	450797
40265654002	**072523033**	EPA 5035/5030B	450687	EPA 8260	450691
40265654003	**072523034**	EPA 5035/5030B	450687	EPA 8260	450691
40265654004	**072523035**	EPA 5035/5030B	450687	EPA 8260	450691
40265654005	**072523036**	EPA 5035/5030B	450687	EPA 8260	450691
40265654006	**072523037**	EPA 5035/5030B	450687	EPA 8260	450691
40265654007	**072523038**	EPA 5035/5030B	450687	EPA 8260	450691
40265654008	**072523039**	EPA 5035/5030B	450687	EPA 8260	450691
40265654009	**072523040**	EPA 5035/5030B	450687	EPA 8260	450691

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265654

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265654010	**072523041**	EPA 5035/5030B	450687	EPA 8260	450691
40265654011	**072523042**	EPA 5035/5030B	450687	EPA 8260	450691
40265654012	**072523043**	EPA 5035/5030B	450687	EPA 8260	450691
40265654013	**072523044**	EPA 5035/5030B	450794	EPA 8260	450797
40265654001	**072523032**	ASTM D2974-87	450731		
40265654002	**072523033**	ASTM D2974-87	450731		
40265654003	**072523034**	ASTM D2974-87	450731		
40265654004	**072523035**	ASTM D2974-87	450731		
40265654005	**072523036**	ASTM D2974-87	450731		
40265654006	**072523037**	ASTM D2974-87	450731		
40265654007	**072523038**	ASTM D2974-87	450731		
40265654008	**072523039**	ASTM D2974-87	450731		
40265654009	**072523040**	ASTM D2974-87	450731		
40265654010	**072523041**	ASTM D2974-87	450731		
40265654011	**072523042**	ASTM D2974-87	450731		
40265654012	**072523043**	ASTM D2974-87	450731		
40265654001	**072523032**	EPA 9012B	450818	EPA 9012B	450940
40265654002	**072523033**	EPA 9012B	450818	EPA 9012B	450940
40265654003	**072523034**	EPA 9012B	450818	EPA 9012B	450940
40265654004	**072523035**	EPA 9012B	450818	EPA 9012B	450940
40265654005	**072523036**	EPA 9012B	450818	EPA 9012B	450940
40265654006	**072523037**	EPA 9012B	450818	EPA 9012B	450940
40265654007	**072523038**	EPA 9012B	450818	EPA 9012B	450940
40265654008	**072523039**	EPA 9012B	450818	EPA 9012B	450940
40265654009	**072523040**	EPA 9012B	450818	EPA 9012B	450940
40265654010	**072523041**	EPA 9012B	450818	EPA 9012B	450940
40265654011	**072523042**	EPA 9012B	450818	EPA 9012B	450940
40265654012	**072523043**	EPA 9012B	450818	EPA 9012B	450940

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PACE DROPOFF

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40265654

QA!

Section A Required Client Information

Company:	Ramboll / WPSC
Address:	234 W. Florida St., 5th Floor
	Milwaukee, WI 53204
Email To:	Nate.Duda@ramboll.com
Phone: 262-719-4512	Fax:
Requested Due Date/TAT:	Standard

Section B Required Project Information.

Report To	GDSData@ramboll.com
Copy To	Staci.Goetz@ramboll.com
	ASmall@ramboll.com
Purchase Order No.	
Project Name	Former Green Bay MGP
Project Number:	1950103365

Section C Invoice Information

Attention	Acts Payable/PM Frank Dombrowski
Company Name	Wisconsin Public Service Corp.
Address.	333 W Everett St Milwaukee WI 53203
Pace Quote Reference	
Pace Project Manager:	Brian Basten
Pace Profile #.	4543 #19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: WI

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test ↓	PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072523032	S	G	7/25/23	9 25	–	–		9	6						3		X	X	X	X	X		001
2	072523033	S	G	7/25/23	9 30	–	–		3	2						1		X	X	X	X	X		002
3	072523034	S	G	7/25/23	9 35	–	–		3	2						1		X	X	X	X	X		003
4	072523035	S	G	7/25/23	10 07	–	–		3	2						1		X	X	X	X	X		004
5	072523036	S	G	7/25/23	10 10	–	–		3	2						1		X	X	X	X	X		005
6	072523037	S	G	7/25/23	10 45	–	–		3	2						1		X	X	X	X	X		006
7	072523038	S	G	7/25/23	11 05	–	–		3	2						1		X	X	X	X	X		007
8	072523039	S	G	7/25/23	11:30	–	–		3	2						1		X	X	X	X	X		008
9	072523040	S	G	7/25/23	11:40	–	–		3	2						1		X	X	X	X	X		009
10	072523041	S	G	7/25/23	13:00	–	–		3	2						1		X	X	X	X	X		010
11	072523042	S	G	7/25/23	13:05	–	–		3	2						1		X	X	X	X	X		011
12	072523043	S	G	7/25/23	13:10	–	–		3	2						1		X	X	X	X	X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
072324015 MS/MSD	[signature] / Ramboll	7-25-23	1423	[signature]	7-25-23	14:23	2	0	4	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07-25-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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PACE DROPOFF

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40265654

QAS

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company:	Ramboll / WPSC	Report To	GDSData@ramboll.com	Attention:	Acts Payable/PM Frank Dombrowski
Address	234 W. Florida St., 5th Floor	Copy To	Staci.Goetz@ramboll.com	Company Name:	Wisconsin Public Service Corp.
	Milwaukee, WI 53204		ASmall@ramboll.com	Address	333 W Everett St Milwakee WI 53203
Email To	Nate.Duda@ramboll.com	Purchase Order No:		Pace Quote Reference	
Phone: 262-719-4512	Fax	Project Name	Former Green Bay MGP	Pace Project Manager:	Brian Basten
Requested Due Date/TAT:	Standard	Project Number:	1950103365	Pace Profile #	4543 #19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER ______

Site Location STATE: WI

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)							Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072523044	WT	G	7/25/23	--	--	--		1							1			X												013
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
072324015 MS/MSD	[signature] / Ramboll	7-25-23	1423	[signature]	7-25-23	14:23	2.0	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 7-25-23

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Confidential

F-ALL-Q-020rev.08, 12-Oct-2007

Client Name: Ramboll/WPSC

Sample Preservation Receipt Form

Project # 402656 54

All containers needing preservation have been checked and noted below. ☐Yes ☐No ☒N/A

Initial when completed: MJA Date/Time:

Lab Lot# of pH paper

Lab Std #ID of preservation (if pH adjusted)

	Glass							Plastic						Vials						Jars				General									
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		3		3			3											2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																							MJA 07/25/2023											2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

MJA 07/25/2023

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

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

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40265654

40265654

Client Name: Ramboll/WPSC

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

Tracking #: _____

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-104 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.0

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

Person examining contents:
Date: 07/25/2023 /Initials: MJH

Labeled By Initials: SG

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☑Yes ☐No ☐N/A		8.
Correct Containers Used	☑Yes ☐No	9.
Correct Type: (Pace Green Bay), Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): UN1230		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 2 of 2

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

August 02, 2023

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on July 26, 2023. 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,

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

Enclosures

cc: ERIC BAUER, Ramboll
NRT Data, Ramboll
Abigail Small, Ramboll
Dan Vachon, Ramboll

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CERTIFICATIONS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

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
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40265723001	**072623045**	Solid	07/26/23 09:05	07/26/23 15:53
40265723002	**072623046**	Solid	07/26/23 09:20	07/26/23 15:53
40265723003	**072623047**	Solid	07/26/23 09:30	07/26/23 15:53
40265723004	**072623048**	Solid	07/26/23 10:45	07/26/23 15:53
40265723005	**072623049**	Solid	07/26/23 10:50	07/26/23 15:53
40265723006	**072623050**	Solid	07/26/23 10:55	07/26/23 15:53
40265723007	**072623051**	Solid	07/26/23 11:00	07/26/23 15:53
40265723008	**072623052**	Solid	07/26/23 11:10	07/26/23 15:53
40265723009	**072623053**	Solid	07/26/23 13:50	07/26/23 15:53
40265723010	**072623054**	Solid	07/26/23 14:04	07/26/23 15:53
40265723011	**072623055**	Solid	07/26/23 14:09	07/26/23 15:53
40265723012	**072623056**	Solid	07/26/23 14:38	07/26/23 15:53
40265723013	**072623057**	Solid	07/26/23 14:48	07/26/23 15:53
40265723014	**072623058**	Solid	07/26/23 14:54	07/26/23 15:53
40265723015	**072623059**	Solid	07/26/23 00:00	07/26/23 15:53

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SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40265723001	**072623045**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723002	**072623046**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723003	**072623047**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723004	**072623048**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723005	**072623049**	EPA 6020B	KXS	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723006	**072623050**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723007	**072623051**	EPA 6020B	TXW	7

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723008	**072623052**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723009	**072623053**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723010	**072623054**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723011	**072623055**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723012	**072623056**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723013	**072623057**	EPA 6020B	TXW	7
		EPA 7471	YER	1

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723014	**072623058**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723015	**072623059**	EPA 8260	ALD	8

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
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(920)469-2436

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 02, 2023

General Information:
14 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

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

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

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

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

QC Batch: 450821

B: Analyte was detected in the associated method blank.

- BLANK for HBN 450821 [MPRP/295 (Lab ID: 2589993)
  - Silver

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

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

QC Batch: 450821

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265723001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2589995)
  - Barium
- MSD (Lab ID: 2589996)
  - Lead

R1: RPD value was outside control limits.

- MS (Lab ID: 2589995)
  - Lead

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 02, 2023

QC Batch: 450821

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265723001

R1: RPD value was outside control limits.

- MSD (Lab ID: 2589996)
  - Lead

Additional Comments:

Analyte Comments:

QC Batch: 450821

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072623045 (Lab ID: 40265723001)
  - Silver
  - Cadmium
- 072623046 (Lab ID: 40265723002)
  - Silver
  - Cadmium
- 072623047 (Lab ID: 40265723003)
  - Silver
  - Cadmium
- 072623048 (Lab ID: 40265723004)
  - Silver
  - Cadmium
- 072623049 (Lab ID: 40265723005)
  - Silver
  - Cadmium
- 072623050 (Lab ID: 40265723006)
  - Silver
  - Cadmium
- 072623051 (Lab ID: 40265723007)
  - Silver
  - Cadmium
- 072623052 (Lab ID: 40265723008)
  - Silver
  - Cadmium
- 072623053 (Lab ID: 40265723009)
  - Silver
  - Cadmium
  - Selenium
- 072623054 (Lab ID: 40265723010)
  - Silver
  - Cadmium
- 072623055 (Lab ID: 40265723011)
  - Silver
  - Cadmium

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 02, 2023

Analyte Comments:

QC Batch: 450821

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072623055 (Lab ID: 40265723011)
  - Selenium
- 072623056 (Lab ID: 40265723012)
  - Silver
  - Cadmium
- 072623057 (Lab ID: 40265723013)
  - Silver
  - Cadmium
  - Selenium
- 072623058 (Lab ID: 40265723014)
  - Silver
  - Cadmium

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Method: **EPA 7471**
Description: 7471 Mercury
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 02, 2023

General Information:
14 samples were analyzed for EPA 7471 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

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

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

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

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

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

Additional Comments:

Pace Analytical Services, LLC
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(920)469-2436

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH by SIM
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 02, 2023

General Information:
14 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

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

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

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

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

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

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

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

QC Batch: 450889

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265723001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 2590493)
  - Phenanthrene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 02, 2023

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

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

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

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

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

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

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

QC Batch: 451058

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 072623046 (Lab ID: 40265723002)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)
- 072623047 (Lab ID: 40265723003)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)
- 072623049 (Lab ID: 40265723005)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)
- 072623050 (Lab ID: 40265723006)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)
- 072623055 (Lab ID: 40265723011)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

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Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 02, 2023

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

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

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

Additional Comments:

Analyte Comments:

QC Batch: 451058

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072623046 (Lab ID: 40265723002)
  - 4-Bromofluorobenzene (S)
- 072623047 (Lab ID: 40265723003)
  - 4-Bromofluorobenzene (S)
- 072623049 (Lab ID: 40265723005)
  - 4-Bromofluorobenzene (S)
- 072623050 (Lab ID: 40265723006)
  - 4-Bromofluorobenzene (S)
- 072623051 (Lab ID: 40265723007)
  - 4-Bromofluorobenzene (S)
- 072623052 (Lab ID: 40265723008)
  - 4-Bromofluorobenzene (S)
- 072623055 (Lab ID: 40265723011)
  - 4-Bromofluorobenzene (S)

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Method: **EPA 9012B**
Description: 9012 Cyanide, Total
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 02, 2023

General Information:
14 samples were analyzed for EPA 9012B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

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

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

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

Additional Comments:

Analyte Comments:

QC Batch: 451139

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072623053 (Lab ID: 40265723009)
  - Cyanide
- 072623054 (Lab ID: 40265723010)
  - Cyanide
- 072623055 (Lab ID: 40265723011)
  - Cyanide

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

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623045 **Lab ID: 40265723001** Collected: 07/26/23 09:05 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.0**	mg/kg	1.0	0.31	6.667	07/28/23 07:12	07/29/23 02:39	7440-38-2	
Barium	**65.7**	mg/kg	1.0	0.31	6.667	07/28/23 07:12	07/29/23 02:39	7440-39-3	M0
Cadmium	**0.12J**	mg/kg	0.79	0.12	6.667	07/28/23 07:12	07/29/23 02:39	7440-43-9	D3
Chromium	**20.2**	mg/kg	2.4	0.72	6.667	07/28/23 07:12	07/29/23 02:39	7440-47-3	
Lead	**57.5**	mg/kg	0.79	0.22	6.667	07/28/23 07:12	07/29/23 02:39	7439-92-1	M0,R1
Selenium	**0.84**	mg/kg	0.79	0.22	6.667	07/28/23 07:12	07/29/23 02:39	7782-49-2	
Silver	**<0.11**	mg/kg	0.40	0.11	6.667	07/28/23 07:12	07/29/23 02:39	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.012**	mg/kg	0.042	0.012	1	08/01/23 06:05	08/01/23 11:13	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.6**	ug/kg	19.9	2.6	1	07/28/23 07:52	07/28/23 10:57	83-32-9	
Acenaphthylene	**<2.5**	ug/kg	19.9	2.5	1	07/28/23 07:52	07/28/23 10:57	208-96-8	
Anthracene	**74.8**	ug/kg	19.9	2.5	1	07/28/23 07:52	07/28/23 10:57	120-12-7	
Benzo(a)anthracene	**121**	ug/kg	19.9	2.6	1	07/28/23 07:52	07/28/23 10:57	56-55-3	
Benzo(a)pyrene	**120**	ug/kg	19.9	2.3	1	07/28/23 07:52	07/28/23 10:57	50-32-8	
Benzo(b)fluoranthene	**221**	ug/kg	19.9	2.8	1	07/28/23 07:52	07/28/23 10:57	205-99-2	
Benzo(g,h,i)perylene	**127**	ug/kg	19.9	3.5	1	07/28/23 07:52	07/28/23 10:57	191-24-2	
Benzo(k)fluoranthene	**67.5**	ug/kg	19.9	2.5	1	07/28/23 07:52	07/28/23 10:57	207-08-9	
Chrysene	**192**	ug/kg	19.9	3.8	1	07/28/23 07:52	07/28/23 10:57	218-01-9	
Dibenz(a,h)anthracene	**32.9**	ug/kg	19.9	2.8	1	07/28/23 07:52	07/28/23 10:57	53-70-3	
Fluoranthene	**219**	ug/kg	19.9	2.4	1	07/28/23 07:52	07/28/23 10:57	206-44-0	
Fluorene	**5.8J**	ug/kg	19.9	2.4	1	07/28/23 07:52	07/28/23 10:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**85.9**	ug/kg	19.9	4.1	1	07/28/23 07:52	07/28/23 10:57	193-39-5	
1-Methylnaphthalene	**25.9**	ug/kg	19.9	2.9	1	07/28/23 07:52	07/28/23 10:57	90-12-0	
2-Methylnaphthalene	**39.3**	ug/kg	19.9	2.9	1	07/28/23 07:52	07/28/23 10:57	91-57-6	
Naphthalene	**560**	ug/kg	19.9	1.9	1	07/28/23 07:52	07/28/23 10:57	91-20-3	
Phenanthrene	**505**	ug/kg	19.9	2.3	1	07/28/23 07:52	07/28/23 10:57	85-01-8	M1
Pyrene	**177**	ug/kg	19.9	2.9	1	07/28/23 07:52	07/28/23 10:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%	41-98		1	07/28/23 07:52	07/28/23 10:57	321-60-8	
Terphenyl-d14 (S)	74	%	37-106		1	07/28/23 07:52	07/28/23 10:57	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**21.4J**	ug/kg	27.6	16.4	1	07/31/23 07:15	08/01/23 10:47	71-43-2	
Ethylbenzene	**<16.4**	ug/kg	69.0	16.4	1	07/31/23 07:15	08/01/23 10:47	100-41-4	
Toluene	**<17.4**	ug/kg	69.0	17.4	1	07/31/23 07:15	08/01/23 10:47	108-88-3	
1,2,4-Trimethylbenzene	**<20.6**	ug/kg	69.0	20.6	1	07/31/23 07:15	08/01/23 10:47	95-63-6	
Xylene (Total)	**<49.8**	ug/kg	207	49.8	1	07/31/23 07:15	08/01/23 10:47	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623045 **Lab ID: 40265723001** Collected: 07/26/23 09:05 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	110	%	68-156		1	07/31/23 07:15	08/01/23 10:47	460-00-4	
Toluene-d8 (S)	103	%	69-153		1	07/31/23 07:15	08/01/23 10:47	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	108	%	71-161		1	07/31/23 07:15	08/01/23 10:47	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.0**	%	0.10	0.10	1		07/27/23 11:52		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.58J**	mg/kg	0.89	0.30	1	08/01/23 11:15	08/01/23 13:10	57-12-5	

Sample: 072623046 **Lab ID: 40265723002** Collected: 07/26/23 09:20 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.6**	mg/kg	1.0	0.30	6.667	07/28/23 07:12	07/29/23 03:00	7440-38-2	
Barium	**95.5**	mg/kg	1.0	0.30	6.667	07/28/23 07:12	07/29/23 03:00	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.76	0.11	6.667	07/28/23 07:12	07/29/23 03:00	7440-43-9	D3
Chromium	**26.7**	mg/kg	2.3	0.70	6.667	07/28/23 07:12	07/29/23 03:00	7440-47-3	
Lead	**6.1**	mg/kg	0.76	0.21	6.667	07/28/23 07:12	07/29/23 03:00	7439-92-1	
Selenium	**0.90**	mg/kg	0.76	0.21	6.667	07/28/23 07:12	07/29/23 03:00	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/28/23 07:12	07/29/23 03:00	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.016J**	mg/kg	0.036	0.010	1	08/01/23 06:05	08/01/23 10:38	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**1960J**	ug/kg	7720	1000	200	07/28/23 07:52	07/28/23 15:49	83-32-9	
Acenaphthylene	**1070J**	ug/kg	7720	973	200	07/28/23 07:52	07/28/23 15:49	208-96-8	
Anthracene	**2890J**	ug/kg	7720	958	200	07/28/23 07:52	07/28/23 15:49	120-12-7	
Benzo(a)anthracene	**1660J**	ug/kg	7720	998	200	07/28/23 07:52	07/28/23 15:49	56-55-3	
Benzo(a)pyrene	**<877**	ug/kg	7720	877	200	07/28/23 07:52	07/28/23 15:49	50-32-8	
Benzo(b)fluoranthene	**<1070**	ug/kg	7720	1070	200	07/28/23 07:52	07/28/23 15:49	205-99-2	
Benzo(g,h,i)perylene	**<1350**	ug/kg	7720	1350	200	07/28/23 07:52	07/28/23 15:49	191-24-2	
Benzo(k)fluoranthene	**<987**	ug/kg	7720	987	200	07/28/23 07:52	07/28/23 15:49	207-08-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623046 **Lab ID: 40265723002** Collected: 07/26/23 09:20 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Chrysene	**1470J**	ug/kg	7720	1460	200	07/28/23 07:52	07/28/23 15:49	218-01-9	
Dibenz(a,h)anthracene	**<1070**	ug/kg	7720	1070	200	07/28/23 07:52	07/28/23 15:49	53-70-3	
Fluoranthene	**2730J**	ug/kg	7720	914	200	07/28/23 07:52	07/28/23 15:49	206-44-0	
Fluorene	**3070J**	ug/kg	7720	926	200	07/28/23 07:52	07/28/23 15:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**<1610**	ug/kg	7720	1610	200	07/28/23 07:52	07/28/23 15:49	193-39-5	
1-Methylnaphthalene	**18300**	ug/kg	7720	1130	200	07/28/23 07:52	07/28/23 15:49	90-12-0	
2-Methylnaphthalene	**26200**	ug/kg	7720	1130	200	07/28/23 07:52	07/28/23 15:49	91-57-6	
Naphthalene	**91200**	ug/kg	7720	752	200	07/28/23 07:52	07/28/23 15:49	91-20-3	
Phenanthrene	**9060**	ug/kg	7720	884	200	07/28/23 07:52	07/28/23 15:49	85-01-8	
Pyrene	**3150J**	ug/kg	7720	1130	200	07/28/23 07:52	07/28/23 15:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%	41-98		200	07/28/23 07:52	07/28/23 15:49	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		200	07/28/23 07:52	07/28/23 15:49	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**28400**	ug/kg	5250	3130	200	07/31/23 07:15	08/01/23 03:33	71-43-2	
Ethylbenzene	**30400**	ug/kg	13100	3130	200	07/31/23 07:15	08/01/23 03:33	100-41-4	
Toluene	**35200**	ug/kg	13100	3310	200	07/31/23 07:15	08/01/23 03:33	108-88-3	
1,2,4-Trimethylbenzene	**33300**	ug/kg	13100	3910	200	07/31/23 07:15	08/01/23 03:33	95-63-6	
Xylene (Total)	**76000**	ug/kg	39400	9480	200	07/31/23 07:15	08/01/23 03:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	274	%	68-156		200	07/31/23 07:15	08/01/23 03:33	460-00-4	D3,S4
Toluene-d8 (S)	174	%	69-153		200	07/31/23 07:15	08/01/23 03:33	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	721	%	71-161		200	07/31/23 07:15	08/01/23 03:33	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.5**	%	0.10	0.10	1		07/27/23 11:52		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.31**	mg/kg	0.93	0.31	1	08/01/23 11:15	08/01/23 13:13	57-12-5	

Sample: 072623047 **Lab ID: 40265723003** Collected: 07/26/23 09:30 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.8**	mg/kg	1.1	0.32	6.667	07/28/23 07:12	07/29/23 03:10	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623047 **Lab ID: 40265723003** Collected: 07/26/23 09:30 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Barium	**98.9**	mg/kg	1.1	0.32	6.667	07/28/23 07:12	07/29/23 03:10	7440-39-3	
Cadmium	**<0.12**	mg/kg	0.81	0.12	6.667	07/28/23 07:12	07/29/23 03:10	7440-43-9	D3
Chromium	**35.3**	mg/kg	2.5	0.74	6.667	07/28/23 07:12	07/29/23 03:10	7440-47-3	
Lead	**7.0**	mg/kg	0.81	0.22	6.667	07/28/23 07:12	07/29/23 03:10	7439-92-1	
Selenium	**1.1**	mg/kg	0.81	0.22	6.667	07/28/23 07:12	07/29/23 03:10	7782-49-2	
Silver	**<0.12**	mg/kg	0.40	0.12	6.667	07/28/23 07:12	07/29/23 03:10	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.015J**	mg/kg	0.042	0.012	1	08/01/23 06:05	08/01/23 10:41	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<1330**	ug/kg	10300	1330	500	07/28/23 07:52	07/28/23 14:40	83-32-9	
Acenaphthylene	**<1300**	ug/kg	10300	1300	500	07/28/23 07:52	07/28/23 14:40	208-96-8	
Anthracene	**2220J**	ug/kg	10300	1280	500	07/28/23 07:52	07/28/23 14:40	120-12-7	
Benzo(a)anthracene	**<1330**	ug/kg	10300	1330	500	07/28/23 07:52	07/28/23 14:40	56-55-3	
Benzo(a)pyrene	**<1170**	ug/kg	10300	1170	500	07/28/23 07:52	07/28/23 14:40	50-32-8	
Benzo(b)fluoranthene	**<1430**	ug/kg	10300	1430	500	07/28/23 07:52	07/28/23 14:40	205-99-2	
Benzo(g,h,i)perylene	**<1800**	ug/kg	10300	1800	500	07/28/23 07:52	07/28/23 14:40	191-24-2	
Benzo(k)fluoranthene	**<1310**	ug/kg	10300	1310	500	07/28/23 07:52	07/28/23 14:40	207-08-9	
Chrysene	**<1940**	ug/kg	10300	1940	500	07/28/23 07:52	07/28/23 14:40	218-01-9	
Dibenz(a,h)anthracene	**<1420**	ug/kg	10300	1420	500	07/28/23 07:52	07/28/23 14:40	53-70-3	
Fluoranthene	**1260J**	ug/kg	10300	1220	500	07/28/23 07:52	07/28/23 14:40	206-44-0	
Fluorene	**2560J**	ug/kg	10300	1230	500	07/28/23 07:52	07/28/23 14:40	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2140**	ug/kg	10300	2140	500	07/28/23 07:52	07/28/23 14:40	193-39-5	
1-Methylnaphthalene	**23500**	ug/kg	10300	1500	500	07/28/23 07:52	07/28/23 14:40	90-12-0	
2-Methylnaphthalene	**33400**	ug/kg	10300	1500	500	07/28/23 07:52	07/28/23 14:40	91-57-6	
Naphthalene	**124000**	ug/kg	10300	1000	500	07/28/23 07:52	07/28/23 14:40	91-20-3	
Phenanthrene	**6290J**	ug/kg	10300	1180	500	07/28/23 07:52	07/28/23 14:40	85-01-8	
Pyrene	**<1510**	ug/kg	10300	1510	500	07/28/23 07:52	07/28/23 14:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	41-98		500	07/28/23 07:52	07/28/23 14:40	321-60-8	
Terphenyl-d14 (S)	47	%	37-106		500	07/28/23 07:52	07/28/23 14:40	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**8410**	ug/kg	2350	1400	80	07/31/23 07:15	08/01/23 04:53	71-43-2	
Ethylbenzene	**4200J**	ug/kg	5870	1400	80	07/31/23 07:15	08/01/23 04:53	100-41-4	
Toluene	**8270**	ug/kg	5870	1480	80	07/31/23 07:15	08/01/23 04:53	108-88-3	
1,2,4-Trimethylbenzene	**11700**	ug/kg	5870	1750	80	07/31/23 07:15	08/01/23 04:53	95-63-6	
Xylene (Total)	**24900**	ug/kg	17600	4240	80	07/31/23 07:15	08/01/23 04:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	130	%	68-156		80	07/31/23 07:15	08/01/23 04:53	460-00-4	D3,S4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623047 **Lab ID: 40265723003** Collected: 07/26/23 09:30 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	104	%	69-153		80	07/31/23 07:15	08/01/23 04:53	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	151	%	71-161		80	07/31/23 07:15	08/01/23 04:53	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.9**	%	0.10	0.10	1		07/27/23 11:52		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.27**	mg/kg	0.81	0.27	1	08/01/23 11:15	08/01/23 13:13	57-12-5	

Sample: 072623048 **Lab ID: 40265723004** Collected: 07/26/23 10:45 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.1**	mg/kg	1.0	0.30	6.667	07/28/23 07:12	07/29/23 03:15	7440-38-2	
Barium	**95.0**	mg/kg	1.0	0.30	6.667	07/28/23 07:12	07/29/23 03:15	7440-39-3	
Cadmium	**0.21J**	mg/kg	0.77	0.11	6.667	07/28/23 07:12	07/29/23 03:15	7440-43-9	D3
Chromium	**23.5**	mg/kg	2.3	0.70	6.667	07/28/23 07:12	07/29/23 03:15	7440-47-3	
Lead	**63.9**	mg/kg	0.77	0.21	6.667	07/28/23 07:12	07/29/23 03:15	7439-92-1	
Selenium	**1.1**	mg/kg	0.77	0.21	6.667	07/28/23 07:12	07/29/23 03:15	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/28/23 07:12	07/29/23 03:15	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**1.6**	mg/kg	0.036	0.010	1	08/01/23 06:05	08/01/23 10:43	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<571**	ug/kg	4410	571	5	07/28/23 07:52	07/28/23 16:06	83-32-9	
Acenaphthylene	**11100**	ug/kg	4410	555	5	07/28/23 07:52	07/28/23 16:06	208-96-8	
Anthracene	**4000J**	ug/kg	4410	547	5	07/28/23 07:52	07/28/23 16:06	120-12-7	
Benzo(a)anthracene	**15000**	ug/kg	4410	569	5	07/28/23 07:52	07/28/23 16:06	56-55-3	
Benzo(a)pyrene	**31000**	ug/kg	4410	501	5	07/28/23 07:52	07/28/23 16:06	50-32-8	
Benzo(b)fluoranthene	**32400**	ug/kg	4410	612	5	07/28/23 07:52	07/28/23 16:06	205-99-2	
Benzo(g,h,i)perylene	**19700**	ug/kg	4410	773	5	07/28/23 07:52	07/28/23 16:06	191-24-2	
Benzo(k)fluoranthene	**13600**	ug/kg	4410	563	5	07/28/23 07:52	07/28/23 16:06	207-08-9	
Chrysene	**16000**	ug/kg	4410	831	5	07/28/23 07:52	07/28/23 16:06	218-01-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623048 **Lab ID: 40265723004** Collected: 07/26/23 10:45 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Dibenz(a,h)anthracene	**6460**	ug/kg	4410	610	5	07/28/23 07:52	07/28/23 16:06	53-70-3	
Fluoranthene	**20600**	ug/kg	4410	521	5	07/28/23 07:52	07/28/23 16:06	206-44-0	
Fluorene	**1410J**	ug/kg	4410	528	5	07/28/23 07:52	07/28/23 16:06	86-73-7	
Indeno(1,2,3-cd)pyrene	**17200**	ug/kg	4410	918	5	07/28/23 07:52	07/28/23 16:06	193-39-5	
1-Methylnaphthalene	**1130J**	ug/kg	4410	644	5	07/28/23 07:52	07/28/23 16:06	90-12-0	
2-Methylnaphthalene	**2550J**	ug/kg	4410	644	5	07/28/23 07:52	07/28/23 16:06	91-57-6	
Naphthalene	**9030**	ug/kg	4410	429	5	07/28/23 07:52	07/28/23 16:06	91-20-3	
Phenanthrene	**7610**	ug/kg	4410	504	5	07/28/23 07:52	07/28/23 16:06	85-01-8	
Pyrene	**19400**	ug/kg	4410	647	5	07/28/23 07:52	07/28/23 16:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	83	%	41-98		5	07/28/23 07:52	07/28/23 16:06	321-60-8	
Terphenyl-d14 (S)	74	%	37-106		5	07/28/23 07:52	07/28/23 16:06	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**290**	ug/kg	27.0	16.1	1	07/31/23 07:15	08/01/23 02:33	71-43-2	
Ethylbenzene	**39.1J**	ug/kg	67.5	16.1	1	07/31/23 07:15	08/01/23 02:33	100-41-4	
Toluene	**282**	ug/kg	67.5	17.0	1	07/31/23 07:15	08/01/23 02:33	108-88-3	
1,2,4-Trimethylbenzene	**49.2J**	ug/kg	67.5	20.1	1	07/31/23 07:15	08/01/23 02:33	95-63-6	
Xylene (Total)	**182J**	ug/kg	202	48.7	1	07/31/23 07:15	08/01/23 02:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	121	%	68-156		1	07/31/23 07:15	08/01/23 02:33	460-00-4	
Toluene-d8 (S)	119	%	69-153		1	07/31/23 07:15	08/01/23 02:33	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	122	%	71-161		1	07/31/23 07:15	08/01/23 02:33	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.9**	%	0.10	0.10	1		07/27/23 11:52		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**8.8**	mg/kg	0.90	0.30	1	08/01/23 11:15	08/01/23 13:14	57-12-5	

Sample: 072623049 **Lab ID: 40265723005** Collected: 07/26/23 10:50 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.6**	mg/kg	0.98	0.30	6.667	07/28/23 07:12	07/31/23 21:23	7440-38-2	
Barium	**106**	mg/kg	0.98	0.29	6.667	07/28/23 07:12	07/31/23 21:23	7440-39-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623049 **Lab ID: 40265723005** Collected: 07/26/23 10:50 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Cadmium	**<0.11**	mg/kg	0.75	0.11	6.667	07/28/23 07:12	07/31/23 21:23	7440-43-9	D3
Chromium	**33.1**	mg/kg	2.3	0.68	6.667	07/28/23 07:12	07/31/23 21:23	7440-47-3	
Lead	**10.9**	mg/kg	0.75	0.20	6.667	07/28/23 07:12	07/31/23 21:23	7439-92-1	
Selenium	**0.81**	mg/kg	0.75	0.20	6.667	07/28/23 07:12	07/31/23 21:23	7782-49-2	
Silver	**<0.11**	mg/kg	0.37	0.11	6.667	07/28/23 07:12	07/31/23 21:23	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.066**	mg/kg	0.038	0.011	1	08/01/23 06:05	08/01/23 10:45	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**16700J**	ug/kg	40000	5190	2000	07/28/23 07:52	07/28/23 16:58	83-32-9	
Acenaphthylene	**31300J**	ug/kg	40000	5040	2000	07/28/23 07:52	07/28/23 16:58	208-96-8	
Anthracene	**33100J**	ug/kg	40000	4960	2000	07/28/23 07:52	07/28/23 16:58	120-12-7	
Benzo(a)anthracene	**22800J**	ug/kg	40000	5170	2000	07/28/23 07:52	07/28/23 16:58	56-55-3	
Benzo(a)pyrene	**17700J**	ug/kg	40000	4540	2000	07/28/23 07:52	07/28/23 16:58	50-32-8	
Benzo(b)fluoranthene	**22000J**	ug/kg	40000	5550	2000	07/28/23 07:52	07/28/23 16:58	205-99-2	
Benzo(g,h,i)perylene	**8340J**	ug/kg	40000	7020	2000	07/28/23 07:52	07/28/23 16:58	191-24-2	
Benzo(k)fluoranthene	**8670J**	ug/kg	40000	5110	2000	07/28/23 07:52	07/28/23 16:58	207-08-9	
Chrysene	**24000J**	ug/kg	40000	7540	2000	07/28/23 07:52	07/28/23 16:58	218-01-9	
Dibenz(a,h)anthracene	**<5530**	ug/kg	40000	5530	2000	07/28/23 07:52	07/28/23 16:58	53-70-3	
Fluoranthene	**74500**	ug/kg	40000	4730	2000	07/28/23 07:52	07/28/23 16:58	206-44-0	
Fluorene	**31800J**	ug/kg	40000	4790	2000	07/28/23 07:52	07/28/23 16:58	86-73-7	
Indeno(1,2,3-cd)pyrene	**<8330**	ug/kg	40000	8330	2000	07/28/23 07:52	07/28/23 16:58	193-39-5	
1-Methylnaphthalene	**51900**	ug/kg	40000	5840	2000	07/28/23 07:52	07/28/23 16:58	90-12-0	
2-Methylnaphthalene	**87500**	ug/kg	40000	5850	2000	07/28/23 07:52	07/28/23 16:58	91-57-6	
Naphthalene	**423000**	ug/kg	40000	3900	2000	07/28/23 07:52	07/28/23 16:58	91-20-3	
Phenanthrene	**108000**	ug/kg	40000	4580	2000	07/28/23 07:52	07/28/23 16:58	85-01-8	
Pyrene	**55300**	ug/kg	40000	5880	2000	07/28/23 07:52	07/28/23 16:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	92	%	41-98		2000	07/28/23 07:52	07/28/23 16:58	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		2000	07/28/23 07:52	07/28/23 16:58	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**8550**	ug/kg	5590	3330	200	07/31/23 07:15	08/01/23 03:53	71-43-2	
Ethylbenzene	**48800**	ug/kg	14000	3330	200	07/31/23 07:15	08/01/23 03:53	100-41-4	
Toluene	**10800J**	ug/kg	14000	3520	200	07/31/23 07:15	08/01/23 03:53	108-88-3	
1,2,4-Trimethylbenzene	**23300**	ug/kg	14000	4170	200	07/31/23 07:15	08/01/23 03:53	95-63-6	
Xylene (Total)	**51500**	ug/kg	41900	10100	200	07/31/23 07:15	08/01/23 03:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	152	%	68-156		200	07/31/23 07:15	08/01/23 03:53	460-00-4	D3,S4
Toluene-d8 (S)	170	%	69-153		200	07/31/23 07:15	08/01/23 03:53	2037-26-5	S4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623049 **Lab ID: 40265723005** Collected: 07/26/23 10:50 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
1,2-Dichlorobenzene-d4 (S)	290	%	71-161		200	07/31/23 07:15	08/01/23 03:53	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.6**	%	0.10	0.10	1		07/27/23 11:52		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.53J**	mg/kg	0.86	0.29	1	08/01/23 11:15	08/01/23 13:15	57-12-5	

Sample: 072623050 **Lab ID: 40265723006** Collected: 07/26/23 10:55 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.4**	mg/kg	1.1	0.32	6.667	07/28/23 07:12	07/29/23 03:36	7440-38-2	
Barium	**54.3**	mg/kg	1.1	0.32	6.667	07/28/23 07:12	07/29/23 03:36	7440-39-3	
Cadmium	**0.15J**	mg/kg	0.80	0.12	6.667	07/28/23 07:12	07/29/23 03:36	7440-43-9	D3
Chromium	**17.1**	mg/kg	2.4	0.73	6.667	07/28/23 07:12	07/29/23 03:36	7440-47-3	
Lead	**17.1**	mg/kg	0.80	0.22	6.667	07/28/23 07:12	07/29/23 03:36	7439-92-1	
Selenium	**0.87**	mg/kg	0.80	0.22	6.667	07/28/23 07:12	07/29/23 03:36	7782-49-2	
Silver	**<0.11**	mg/kg	0.40	0.11	6.667	07/28/23 07:12	07/29/23 03:36	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.034J**	mg/kg	0.038	0.011	1	08/01/23 06:05	08/01/23 10:47	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**8820J**	ug/kg	20600	2670	1000	07/28/23 07:52	07/28/23 17:16	83-32-9	
Acenaphthylene	**10400J**	ug/kg	20600	2600	1000	07/28/23 07:52	07/28/23 17:16	208-96-8	
Anthracene	**13700J**	ug/kg	20600	2550	1000	07/28/23 07:52	07/28/23 17:16	120-12-7	
Benzo(a)anthracene	**10700J**	ug/kg	20600	2660	1000	07/28/23 07:52	07/28/23 17:16	56-55-3	
Benzo(a)pyrene	**8020J**	ug/kg	20600	2340	1000	07/28/23 07:52	07/28/23 17:16	50-32-8	
Benzo(b)fluoranthene	**9910J**	ug/kg	20600	2860	1000	07/28/23 07:52	07/28/23 17:16	205-99-2	
Benzo(g,h,i)perylene	**3970J**	ug/kg	20600	3610	1000	07/28/23 07:52	07/28/23 17:16	191-24-2	
Benzo(k)fluoranthene	**4620J**	ug/kg	20600	2630	1000	07/28/23 07:52	07/28/23 17:16	207-08-9	
Chrysene	**10400J**	ug/kg	20600	3880	1000	07/28/23 07:52	07/28/23 17:16	218-01-9	
Dibenz(a,h)anthracene	**<2850**	ug/kg	20600	2850	1000	07/28/23 07:52	07/28/23 17:16	53-70-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623050 **Lab ID: 40265723006** Collected: 07/26/23 10:55 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Fluoranthene	**30700**	ug/kg	20600	2440	1000	07/28/23 07:52	07/28/23 17:16	206-44-0	
Fluorene	**11800J**	ug/kg	20600	2470	1000	07/28/23 07:52	07/28/23 17:16	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4290**	ug/kg	20600	4290	1000	07/28/23 07:52	07/28/23 17:16	193-39-5	
1-Methylnaphthalene	**23500**	ug/kg	20600	3010	1000	07/28/23 07:52	07/28/23 17:16	90-12-0	
2-Methylnaphthalene	**38100**	ug/kg	20600	3010	1000	07/28/23 07:52	07/28/23 17:16	91-57-6	
Naphthalene	**189000**	ug/kg	20600	2010	1000	07/28/23 07:52	07/28/23 17:16	91-20-3	
Phenanthrene	**41500**	ug/kg	20600	2360	1000	07/28/23 07:52	07/28/23 17:16	85-01-8	
Pyrene	**22700**	ug/kg	20600	3030	1000	07/28/23 07:52	07/28/23 17:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	41-98		1000	07/28/23 07:52	07/28/23 17:16	321-60-8	
Terphenyl-d14 (S)	56	%	37-106		1000	07/28/23 07:52	07/28/23 17:16	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**4880**	ug/kg	2930	1740	100	07/31/23 07:15	08/01/23 04:33	71-43-2	
Ethylbenzene	**32200**	ug/kg	7320	1740	100	07/31/23 07:15	08/01/23 04:33	100-41-4	
Toluene	**4230J**	ug/kg	7320	1850	100	07/31/23 07:15	08/01/23 04:33	108-88-3	
1,2,4-Trimethylbenzene	**17600**	ug/kg	7320	2180	100	07/31/23 07:15	08/01/23 04:33	95-63-6	
Xylene (Total)	**31400**	ug/kg	22000	5290	100	07/31/23 07:15	08/01/23 04:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	197	%	68-156		100	07/31/23 07:15	08/01/23 04:33	460-00-4	D3,S4
Toluene-d8 (S)	142	%	69-153		100	07/31/23 07:15	08/01/23 04:33	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	193	%	71-161		100	07/31/23 07:15	08/01/23 04:33	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.9**	%	0.10	0.10	1		07/27/23 11:52		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.87J**	mg/kg	0.96	0.32	1	08/01/23 11:15	08/01/23 13:16	57-12-5	

Sample: 072623051 **Lab ID: 40265723007** Collected: 07/26/23 11:00 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.5**	mg/kg	0.95	0.28	6.667	07/28/23 07:12	07/29/23 03:41	7440-38-2	
Barium	**86.9**	mg/kg	0.94	0.28	6.667	07/28/23 07:12	07/29/23 03:41	7440-39-3	
Cadmium	**<0.10**	mg/kg	0.72	0.10	6.667	07/28/23 07:12	07/29/23 03:41	7440-43-9	D3

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623051 **Lab ID: 40265723007** Collected: 07/26/23 11:00 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Chromium	**28.6**	mg/kg	2.2	0.65	6.667	07/28/23 07:12	07/29/23 03:41	7440-47-3	
Lead	**6.1**	mg/kg	0.72	0.20	6.667	07/28/23 07:12	07/29/23 03:41	7439-92-1	
Selenium	**0.97**	mg/kg	0.72	0.20	6.667	07/28/23 07:12	07/29/23 03:41	7782-49-2	
Silver	**<0.10**	mg/kg	0.36	0.10	6.667	07/28/23 07:12	07/29/23 03:41	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.038	0.011	1	08/01/23 06:05	08/01/23 10:50	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**134J**	ug/kg	155	20.1	8	07/28/23 07:52	07/28/23 16:41	83-32-9	
Acenaphthylene	**152J**	ug/kg	155	19.5	8	07/28/23 07:52	07/28/23 16:41	208-96-8	
Anthracene	**<19.2**	ug/kg	155	19.2	8	07/28/23 07:52	07/28/23 16:41	120-12-7	
Benzo(a)anthracene	**<20.0**	ug/kg	155	20.0	8	07/28/23 07:52	07/28/23 16:41	56-55-3	
Benzo(a)pyrene	**<17.6**	ug/kg	155	17.6	8	07/28/23 07:52	07/28/23 16:41	50-32-8	
Benzo(b)fluoranthene	**<21.5**	ug/kg	155	21.5	8	07/28/23 07:52	07/28/23 16:41	205-99-2	
Benzo(g,h,i)perylene	**<27.2**	ug/kg	155	27.2	8	07/28/23 07:52	07/28/23 16:41	191-24-2	
Benzo(k)fluoranthene	**<19.8**	ug/kg	155	19.8	8	07/28/23 07:52	07/28/23 16:41	207-08-9	
Chrysene	**<29.2**	ug/kg	155	29.2	8	07/28/23 07:52	07/28/23 16:41	218-01-9	
Dibenz(a,h)anthracene	**<21.5**	ug/kg	155	21.5	8	07/28/23 07:52	07/28/23 16:41	53-70-3	
Fluoranthene	**<18.4**	ug/kg	155	18.4	8	07/28/23 07:52	07/28/23 16:41	206-44-0	
Fluorene	**132J**	ug/kg	155	18.6	8	07/28/23 07:52	07/28/23 16:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**<32.3**	ug/kg	155	32.3	8	07/28/23 07:52	07/28/23 16:41	193-39-5	
1-Methylnaphthalene	**362**	ug/kg	155	22.7	8	07/28/23 07:52	07/28/23 16:41	90-12-0	
2-Methylnaphthalene	**33.0J**	ug/kg	155	22.7	8	07/28/23 07:52	07/28/23 16:41	91-57-6	
Naphthalene	**1770**	ug/kg	155	15.1	8	07/28/23 07:52	07/28/23 16:41	91-20-3	
Phenanthrene	**47.3J**	ug/kg	155	17.8	8	07/28/23 07:52	07/28/23 16:41	85-01-8	
Pyrene	**<22.8**	ug/kg	155	22.8	8	07/28/23 07:52	07/28/23 16:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	41-98		8	07/28/23 07:52	07/28/23 16:41	321-60-8	
Terphenyl-d14 (S)	72	%	37-106		8	07/28/23 07:52	07/28/23 16:41	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**1690**	ug/kg	106	62.8	4	07/31/23 07:15	08/01/23 06:34	71-43-2	
Ethylbenzene	**3230**	ug/kg	264	62.8	4	07/31/23 07:15	08/01/23 06:34	100-41-4	
Toluene	**255J**	ug/kg	264	66.5	4	07/31/23 07:15	08/01/23 06:34	108-88-3	
1,2,4-Trimethylbenzene	**783**	ug/kg	264	78.6	4	07/31/23 07:15	08/01/23 06:34	95-63-6	
Xylene (Total)	**2320**	ug/kg	792	191	4	07/31/23 07:15	08/01/23 06:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	68-156		4	07/31/23 07:15	08/01/23 06:34	460-00-4	D3
Toluene-d8 (S)	112	%	69-153		4	07/31/23 07:15	08/01/23 06:34	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	120	%	71-161		4	07/31/23 07:15	08/01/23 06:34	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623051 **Lab ID: 40265723007** Collected: 07/26/23 11:00 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.8**	%	0.10	0.10	1		07/27/23 11:52		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.35**	mg/kg	1.1	0.35	1	08/01/23 11:15	08/01/23 13:18	57-12-5	

Sample: 072623052 **Lab ID: 40265723008** Collected: 07/26/23 11:10 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.3**	mg/kg	1.0	0.30	6.667	07/28/23 07:12	07/29/23 03:46	7440-38-2	
Barium	**79.4**	mg/kg	0.99	0.30	6.667	07/28/23 07:12	07/29/23 03:46	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.75	0.11	6.667	07/28/23 07:12	07/29/23 03:46	7440-43-9	D3
Chromium	**26.5**	mg/kg	2.3	0.69	6.667	07/28/23 07:12	07/29/23 03:46	7440-47-3	
Lead	**5.9**	mg/kg	0.75	0.21	6.667	07/28/23 07:12	07/29/23 03:46	7439-92-1	
Selenium	**0.91**	mg/kg	0.75	0.21	6.667	07/28/23 07:12	07/29/23 03:46	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/28/23 07:12	07/29/23 03:46	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.039	0.011	1	08/01/23 06:05	08/01/23 10:52	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**155J**	ug/kg	991	129	50	07/28/23 07:52	07/28/23 16:24	83-32-9	
Acenaphthylene	**201J**	ug/kg	991	125	50	07/28/23 07:52	07/28/23 16:24	208-96-8	
Anthracene	**205J**	ug/kg	991	123	50	07/28/23 07:52	07/28/23 16:24	120-12-7	
Benzo(a)anthracene	**<128**	ug/kg	991	128	50	07/28/23 07:52	07/28/23 16:24	56-55-3	
Benzo(a)pyrene	**<113**	ug/kg	991	113	50	07/28/23 07:52	07/28/23 16:24	50-32-8	
Benzo(b)fluoranthene	**<138**	ug/kg	991	138	50	07/28/23 07:52	07/28/23 16:24	205-99-2	
Benzo(g,h,i)perylene	**<174**	ug/kg	991	174	50	07/28/23 07:52	07/28/23 16:24	191-24-2	
Benzo(k)fluoranthene	**<127**	ug/kg	991	127	50	07/28/23 07:52	07/28/23 16:24	207-08-9	
Chrysene	**<187**	ug/kg	991	187	50	07/28/23 07:52	07/28/23 16:24	218-01-9	
Dibenz(a,h)anthracene	**<137**	ug/kg	991	137	50	07/28/23 07:52	07/28/23 16:24	53-70-3	
Fluoranthene	**166J**	ug/kg	991	117	50	07/28/23 07:52	07/28/23 16:24	206-44-0	
Fluorene	**230J**	ug/kg	991	119	50	07/28/23 07:52	07/28/23 16:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**<206**	ug/kg	991	206	50	07/28/23 07:52	07/28/23 16:24	193-39-5	
1-Methylnaphthalene	**732J**	ug/kg	991	145	50	07/28/23 07:52	07/28/23 16:24	90-12-0	
2-Methylnaphthalene	**1070**	ug/kg	991	145	50	07/28/23 07:52	07/28/23 16:24	91-57-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623052 **Lab ID: 40265723008** Collected: 07/26/23 11:10 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Naphthalene	**14400**	ug/kg	991	96.6	50	07/28/23 07:52	07/28/23 16:24	91-20-3	
Phenanthrene	**784J**	ug/kg	991	113	50	07/28/23 07:52	07/28/23 16:24	85-01-8	
Pyrene	**<146**	ug/kg	991	146	50	07/28/23 07:52	07/28/23 16:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	41-98		50	07/28/23 07:52	07/28/23 16:24	321-60-8	
Terphenyl-d14 (S)	51	%	37-106		50	07/28/23 07:52	07/28/23 16:24	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**2750**	ug/kg	276	164	10	07/31/23 07:15	08/01/23 05:54	71-43-2	
Ethylbenzene	**1220**	ug/kg	689	164	10	07/31/23 07:15	08/01/23 05:54	100-41-4	
Toluene	**3930**	ug/kg	689	174	10	07/31/23 07:15	08/01/23 05:54	108-88-3	
1,2,4-Trimethylbenzene	**1670**	ug/kg	689	205	10	07/31/23 07:15	08/01/23 05:54	95-63-6	
Xylene (Total)	**6650**	ug/kg	2070	497	10	07/31/23 07:15	08/01/23 05:54	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	124	%	68-156		10	07/31/23 07:15	08/01/23 05:54	460-00-4	D3
Toluene-d8 (S)	123	%	69-153		10	07/31/23 07:15	08/01/23 05:54	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	122	%	71-161		10	07/31/23 07:15	08/01/23 05:54	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.9**	%	0.10	0.10	1		07/27/23 11:52		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.25**	mg/kg	0.74	0.25	1	08/01/23 11:15	08/01/23 13:19	57-12-5	

Sample: 072623053 **Lab ID: 40265723009** Collected: 07/26/23 13:50 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.3**	mg/kg	0.87	0.26	6.667	07/28/23 07:12	07/29/23 03:51	7440-38-2	
Barium	**4.4**	mg/kg	0.86	0.26	6.667	07/28/23 07:12	07/29/23 03:51	7440-39-3	
Cadmium	**<0.096**	mg/kg	0.66	0.096	6.667	07/28/23 07:12	07/29/23 03:51	7440-43-9	D3
Chromium	**2.4**	mg/kg	2.0	0.60	6.667	07/28/23 07:12	07/29/23 03:51	7440-47-3	
Lead	**2.6**	mg/kg	0.66	0.18	6.667	07/28/23 07:12	07/29/23 03:51	7439-92-1	
Selenium	**<0.18**	mg/kg	0.66	0.18	6.667	07/28/23 07:12	07/29/23 03:51	7782-49-2	D3
Silver	**<0.094**	mg/kg	0.33	0.094	6.667	07/28/23 07:12	07/29/23 03:51	7440-22-4	D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623053 **Lab ID: 40265723009** Collected: 07/26/23 13:50 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0096**	mg/kg	0.034	0.0096	1	08/01/23 06:05	08/01/23 10:59	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**5.1J**	ug/kg	17.4	2.3	1	07/28/23 07:52	07/28/23 14:58	83-32-9	
Acenaphthylene	**25.7**	ug/kg	17.4	2.2	1	07/28/23 07:52	07/28/23 14:58	208-96-8	
Anthracene	**21.9**	ug/kg	17.4	2.2	1	07/28/23 07:52	07/28/23 14:58	120-12-7	
Benzo(a)anthracene	**79.2**	ug/kg	17.4	2.2	1	07/28/23 07:52	07/28/23 14:58	56-55-3	
Benzo(a)pyrene	**106**	ug/kg	17.4	2.0	1	07/28/23 07:52	07/28/23 14:58	50-32-8	
Benzo(b)fluoranthene	**148**	ug/kg	17.4	2.4	1	07/28/23 07:52	07/28/23 14:58	205-99-2	
Benzo(g,h,i)perylene	**81.2**	ug/kg	17.4	3.1	1	07/28/23 07:52	07/28/23 14:58	191-24-2	
Benzo(k)fluoranthene	**48.9**	ug/kg	17.4	2.2	1	07/28/23 07:52	07/28/23 14:58	207-08-9	
Chrysene	**103**	ug/kg	17.4	3.3	1	07/28/23 07:52	07/28/23 14:58	218-01-9	
Dibenz(a,h)anthracene	**25.5**	ug/kg	17.4	2.4	1	07/28/23 07:52	07/28/23 14:58	53-70-3	
Fluoranthene	**209**	ug/kg	17.4	2.1	1	07/28/23 07:52	07/28/23 14:58	206-44-0	
Fluorene	**10.2J**	ug/kg	17.4	2.1	1	07/28/23 07:52	07/28/23 14:58	86-73-7	
Indeno(1,2,3-cd)pyrene	**64.0**	ug/kg	17.4	3.6	1	07/28/23 07:52	07/28/23 14:58	193-39-5	
1-Methylnaphthalene	**5.2J**	ug/kg	17.4	2.5	1	07/28/23 07:52	07/28/23 14:58	90-12-0	
2-Methylnaphthalene	**7.5J**	ug/kg	17.4	2.5	1	07/28/23 07:52	07/28/23 14:58	91-57-6	
Naphthalene	**20.0**	ug/kg	17.4	1.7	1	07/28/23 07:52	07/28/23 14:58	91-20-3	
Phenanthrene	**128**	ug/kg	17.4	2.0	1	07/28/23 07:52	07/28/23 14:58	85-01-8	
Pyrene	**167**	ug/kg	17.4	2.6	1	07/28/23 07:52	07/28/23 14:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	82	%	41-98		1	07/28/23 07:52	07/28/23 14:58	321-60-8	
Terphenyl-d14 (S)	82	%	37-106		1	07/28/23 07:52	07/28/23 14:58	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.8**	ug/kg	21.6	12.8	1	07/31/23 07:15	08/01/23 10:27	71-43-2	
Ethylbenzene	**<12.8**	ug/kg	54.0	12.8	1	07/31/23 07:15	08/01/23 10:27	100-41-4	
Toluene	**<13.6**	ug/kg	54.0	13.6	1	07/31/23 07:15	08/01/23 10:27	108-88-3	
1,2,4-Trimethylbenzene	**<16.1**	ug/kg	54.0	16.1	1	07/31/23 07:15	08/01/23 10:27	95-63-6	
Xylene (Total)	**<39.0**	ug/kg	162	39.0	1	07/31/23 07:15	08/01/23 10:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	84	%	68-156		1	07/31/23 07:15	08/01/23 10:27	460-00-4	
Toluene-d8 (S)	71	%	69-153		1	07/31/23 07:15	08/01/23 10:27	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	85	%	71-161		1	07/31/23 07:15	08/01/23 10:27	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**3.8**	%	0.10	0.10	1		07/27/23 11:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623053 **Lab ID: 40265723009** Collected: 07/26/23 13:50 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<1.6**	mg/kg	4.7	1.6	5	08/01/23 11:15	08/01/23 13:45	57-12-5	D3

Sample: 072623054 **Lab ID: 40265723010** Collected: 07/26/23 14:04 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.6**	mg/kg	0.93	0.28	6.667	07/28/23 07:12	07/29/23 03:56	7440-38-2	
Barium	**69.2**	mg/kg	0.93	0.28	6.667	07/28/23 07:12	07/29/23 03:56	7440-39-3	
Cadmium	**<0.10**	mg/kg	0.71	0.10	6.667	07/28/23 07:12	07/29/23 03:56	7440-43-9	D3
Chromium	**22.5**	mg/kg	2.2	0.65	6.667	07/28/23 07:12	07/29/23 03:56	7440-47-3	
Lead	**4.0**	mg/kg	0.71	0.19	6.667	07/28/23 07:12	07/29/23 03:56	7439-92-1	
Selenium	**0.94**	mg/kg	0.71	0.19	6.667	07/28/23 07:12	07/29/23 03:56	7782-49-2	
Silver	**<0.10**	mg/kg	0.35	0.10	6.667	07/28/23 07:12	07/29/23 03:56	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.038	0.011	1	08/01/23 06:05	08/01/23 11:01	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**97.9**	ug/kg	19.4	2.5	1	07/28/23 07:52	07/28/23 12:57	83-32-9	
Acenaphthylene	**84.9**	ug/kg	19.4	2.5	1	07/28/23 07:52	07/28/23 12:57	208-96-8	
Anthracene	**91.6**	ug/kg	19.4	2.4	1	07/28/23 07:52	07/28/23 12:57	120-12-7	
Benzo(a)anthracene	**81.4**	ug/kg	19.4	2.5	1	07/28/23 07:52	07/28/23 12:57	56-55-3	
Benzo(a)pyrene	**72.2**	ug/kg	19.4	2.2	1	07/28/23 07:52	07/28/23 12:57	50-32-8	
Benzo(b)fluoranthene	**64.9**	ug/kg	19.4	2.7	1	07/28/23 07:52	07/28/23 12:57	205-99-2	
Benzo(g,h,i)perylene	**33.4**	ug/kg	19.4	3.4	1	07/28/23 07:52	07/28/23 12:57	191-24-2	
Benzo(k)fluoranthene	**26.7**	ug/kg	19.4	2.5	1	07/28/23 07:52	07/28/23 12:57	207-08-9	
Chrysene	**82.4**	ug/kg	19.4	3.7	1	07/28/23 07:52	07/28/23 12:57	218-01-9	
Dibenz(a,h)anthracene	**7.5J**	ug/kg	19.4	2.7	1	07/28/23 07:52	07/28/23 12:57	53-70-3	
Fluoranthene	**188**	ug/kg	19.4	2.3	1	07/28/23 07:52	07/28/23 12:57	206-44-0	
Fluorene	**111**	ug/kg	19.4	2.3	1	07/28/23 07:52	07/28/23 12:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**26.3**	ug/kg	19.4	4.0	1	07/28/23 07:52	07/28/23 12:57	193-39-5	
1-Methylnaphthalene	**53.7**	ug/kg	19.4	2.8	1	07/28/23 07:52	07/28/23 12:57	90-12-0	
2-Methylnaphthalene	**59.7**	ug/kg	19.4	2.8	1	07/28/23 07:52	07/28/23 12:57	91-57-6	
Naphthalene	**167**	ug/kg	19.4	1.9	1	07/28/23 07:52	07/28/23 12:57	91-20-3	
Phenanthrene	**68.6**	ug/kg	19.4	2.2	1	07/28/23 07:52	07/28/23 12:57	85-01-8	
Pyrene	**192**	ug/kg	19.4	2.9	1	07/28/23 07:52	07/28/23 12:57	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623054 **Lab ID: 40265723010** Collected: 07/26/23 14:04 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Surrogates									
2-Fluorobiphenyl (S)	71	%	41-98		1	07/28/23 07:52	07/28/23 12:57	321-60-8	
Terphenyl-d14 (S)	68	%	37-106		1	07/28/23 07:52	07/28/23 12:57	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.8**	ug/kg	26.6	15.8	1	07/31/23 07:15	08/01/23 02:13	71-43-2	
Ethylbenzene	**<15.8**	ug/kg	66.4	15.8	1	07/31/23 07:15	08/01/23 02:13	100-41-4	
Toluene	**<16.7**	ug/kg	66.4	16.7	1	07/31/23 07:15	08/01/23 02:13	108-88-3	
1,2,4-Trimethylbenzene	**<19.8**	ug/kg	66.4	19.8	1	07/31/23 07:15	08/01/23 02:13	95-63-6	
Xylene (Total)	**<48.0**	ug/kg	199	48.0	1	07/31/23 07:15	08/01/23 02:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	116	%	68-156		1	07/31/23 07:15	08/01/23 02:13	460-00-4	
Toluene-d8 (S)	115	%	69-153		1	07/31/23 07:15	08/01/23 02:13	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	118	%	71-161		1	07/31/23 07:15	08/01/23 02:13	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.1**	%	0.10	0.10	1		07/27/23 11:53		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<1.7**	mg/kg	5.2	1.7	5	08/01/23 11:15	08/01/23 13:46	57-12-5	D3

Sample: 072623055 **Lab ID: 40265723011** Collected: 07/26/23 14:09 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.5**	mg/kg	0.93	0.28	6.667	07/28/23 07:12	07/29/23 04:02	7440-38-2	
Barium	**39.8**	mg/kg	0.92	0.28	6.667	07/28/23 07:12	07/29/23 04:02	7440-39-3	
Cadmium	**<0.10**	mg/kg	0.70	0.10	6.667	07/28/23 07:12	07/29/23 04:02	7440-43-9	D3
Chromium	**16.8**	mg/kg	2.1	0.64	6.667	07/28/23 07:12	07/29/23 04:02	7440-47-3	
Lead	**3.2**	mg/kg	0.70	0.19	6.667	07/28/23 07:12	07/29/23 04:02	7439-92-1	
Selenium	**0.52J**	mg/kg	0.70	0.19	6.667	07/28/23 07:12	07/29/23 04:02	7782-49-2	D3
Silver	**<0.10**	mg/kg	0.35	0.10	6.667	07/28/23 07:12	07/29/23 04:02	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.038	0.011	1	08/01/23 06:05	08/01/23 11:04	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623055 **Lab ID: 40265723011** Collected: 07/26/23 14:09 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**937J**	ug/kg	1890	245	100	07/28/23 07:52	07/28/23 15:15	83-32-9	
Acenaphthylene	**1730J**	ug/kg	1890	238	100	07/28/23 07:52	07/28/23 15:15	208-96-8	
Anthracene	**1780J**	ug/kg	1890	234	100	07/28/23 07:52	07/28/23 15:15	120-12-7	
Benzo(a)anthracene	**1610J**	ug/kg	1890	244	100	07/28/23 07:52	07/28/23 15:15	56-55-3	
Benzo(a)pyrene	**1210J**	ug/kg	1890	215	100	07/28/23 07:52	07/28/23 15:15	50-32-8	
Benzo(b)fluoranthene	**1110J**	ug/kg	1890	262	100	07/28/23 07:52	07/28/23 15:15	205-99-2	
Benzo(g,h,i)perylene	**511J**	ug/kg	1890	332	100	07/28/23 07:52	07/28/23 15:15	191-24-2	
Benzo(k)fluoranthene	**591J**	ug/kg	1890	241	100	07/28/23 07:52	07/28/23 15:15	207-08-9	
Chrysene	**1660J**	ug/kg	1890	356	100	07/28/23 07:52	07/28/23 15:15	218-01-9	
Dibenz(a,h)anthracene	**<261**	ug/kg	1890	261	100	07/28/23 07:52	07/28/23 15:15	53-70-3	
Fluoranthene	**3200**	ug/kg	1890	224	100	07/28/23 07:52	07/28/23 15:15	206-44-0	
Fluorene	**2630**	ug/kg	1890	227	100	07/28/23 07:52	07/28/23 15:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**<394**	ug/kg	1890	394	100	07/28/23 07:52	07/28/23 15:15	193-39-5	
1-Methylnaphthalene	**4840**	ug/kg	1890	276	100	07/28/23 07:52	07/28/23 15:15	90-12-0	
2-Methylnaphthalene	**6180**	ug/kg	1890	276	100	07/28/23 07:52	07/28/23 15:15	91-57-6	
Naphthalene	**14500**	ug/kg	1890	184	100	07/28/23 07:52	07/28/23 15:15	91-20-3	
Phenanthrene	**8150**	ug/kg	1890	216	100	07/28/23 07:52	07/28/23 15:15	85-01-8	
Pyrene	**3560**	ug/kg	1890	278	100	07/28/23 07:52	07/28/23 15:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	41-98		100	07/28/23 07:52	07/28/23 15:15	321-60-8	
Terphenyl-d14 (S)	60	%	37-106		100	07/28/23 07:52	07/28/23 15:15	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**1760**	ug/kg	505	300	20	07/31/23 07:15	08/01/23 05:14	71-43-2	
Ethylbenzene	**1520**	ug/kg	1260	300	20	07/31/23 07:15	08/01/23 05:14	100-41-4	
Toluene	**1170J**	ug/kg	1260	318	20	07/31/23 07:15	08/01/23 05:14	108-88-3	
1,2,4-Trimethylbenzene	**1240J**	ug/kg	1260	376	20	07/31/23 07:15	08/01/23 05:14	95-63-6	
Xylene (Total)	**2560J**	ug/kg	3780	911	20	07/31/23 07:15	08/01/23 05:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	68-156		20	07/31/23 07:15	08/01/23 05:14	460-00-4	D3,S4
Toluene-d8 (S)	108	%	69-153		20	07/31/23 07:15	08/01/23 05:14	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	114	%	71-161		20	07/31/23 07:15	08/01/23 05:14	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.6**	%	0.10	0.10	1		07/27/23 11:53		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<1.6**	mg/kg	4.8	1.6	5	08/01/23 11:15	08/01/23 13:47	57-12-5	D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623056 **Lab ID: 40265723012** Collected: 07/26/23 14:38 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.9**	mg/kg	1.1	0.32	6.667	07/28/23 07:12	07/29/23 04:07	7440-38-2	
Barium	**110**	mg/kg	1.1	0.32	6.667	07/28/23 07:12	07/29/23 04:07	7440-39-3	
Cadmium	**0.53J**	mg/kg	0.81	0.12	6.667	07/28/23 07:12	07/29/23 04:07	7440-43-9	D3
Chromium	**11.0**	mg/kg	2.4	0.73	6.667	07/28/23 07:12	07/29/23 04:07	7440-47-3	
Lead	**303**	mg/kg	0.81	0.22	6.667	07/28/23 07:12	07/29/23 04:07	7439-92-1	
Selenium	**1.3**	mg/kg	0.81	0.22	6.667	07/28/23 07:12	07/29/23 04:07	7782-49-2	
Silver	**0.16J**	mg/kg	0.40	0.12	6.667	07/28/23 07:12	07/29/23 04:07	7440-22-4	B,D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.56**	mg/kg	0.041	0.012	1	08/01/23 06:05	08/01/23 11:06	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<26.6**	ug/kg	205	26.6	10	07/28/23 07:52	07/28/23 15:32	83-32-9	
Acenaphthylene	**198J**	ug/kg	205	25.9	10	07/28/23 07:52	07/28/23 15:32	208-96-8	
Anthracene	**206**	ug/kg	205	25.4	10	07/28/23 07:52	07/28/23 15:32	120-12-7	
Benzo(a)anthracene	**1030**	ug/kg	205	26.5	10	07/28/23 07:52	07/28/23 15:32	56-55-3	
Benzo(a)pyrene	**1180**	ug/kg	205	23.3	10	07/28/23 07:52	07/28/23 15:32	50-32-8	
Benzo(b)fluoranthene	**1590**	ug/kg	205	28.5	10	07/28/23 07:52	07/28/23 15:32	205-99-2	
Benzo(g,h,i)perylene	**753**	ug/kg	205	36.0	10	07/28/23 07:52	07/28/23 15:32	191-24-2	
Benzo(k)fluoranthene	**534**	ug/kg	205	26.2	10	07/28/23 07:52	07/28/23 15:32	207-08-9	
Chrysene	**1100**	ug/kg	205	38.7	10	07/28/23 07:52	07/28/23 15:32	218-01-9	
Dibenz(a,h)anthracene	**248**	ug/kg	205	28.4	10	07/28/23 07:52	07/28/23 15:32	53-70-3	
Fluoranthene	**1910**	ug/kg	205	24.3	10	07/28/23 07:52	07/28/23 15:32	206-44-0	
Fluorene	**51.6J**	ug/kg	205	24.6	10	07/28/23 07:52	07/28/23 15:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**643**	ug/kg	205	42.7	10	07/28/23 07:52	07/28/23 15:32	193-39-5	
1-Methylnaphthalene	**157J**	ug/kg	205	30.0	10	07/28/23 07:52	07/28/23 15:32	90-12-0	
2-Methylnaphthalene	**214**	ug/kg	205	30.0	10	07/28/23 07:52	07/28/23 15:32	91-57-6	
Naphthalene	**353**	ug/kg	205	20.0	10	07/28/23 07:52	07/28/23 15:32	91-20-3	
Phenanthrene	**692**	ug/kg	205	23.5	10	07/28/23 07:52	07/28/23 15:32	85-01-8	
Pyrene	**1650**	ug/kg	205	30.1	10	07/28/23 07:52	07/28/23 15:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	41-98		10	07/28/23 07:52	07/28/23 15:32	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		10	07/28/23 07:52	07/28/23 15:32	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**83.0**	ug/kg	29.1	17.3	1	07/31/23 07:15	08/01/23 00:32	71-43-2	
Ethylbenzene	**<17.3**	ug/kg	72.9	17.3	1	07/31/23 07:15	08/01/23 00:32	100-41-4	
Toluene	**<18.4**	ug/kg	72.9	18.4	1	07/31/23 07:15	08/01/23 00:32	108-88-3	
1,2,4-Trimethylbenzene	**<21.7**	ug/kg	72.9	21.7	1	07/31/23 07:15	08/01/23 00:32	95-63-6	
Xylene (Total)	**<52.6**	ug/kg	219	52.6	1	07/31/23 07:15	08/01/23 00:32	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623056 **Lab ID: 40265723012** Collected: 07/26/23 14:38 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	131	%	68-156		1	07/31/23 07:15	08/01/23 00:32	460-00-4	
Toluene-d8 (S)	130	%	69-153		1	07/31/23 07:15	08/01/23 00:32	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	133	%	71-161		1	07/31/23 07:15	08/01/23 00:32	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.6**	%	0.10	0.10	1		07/27/23 11:53		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.52J**	mg/kg	0.78	0.26	1	08/01/23 11:15	08/01/23 13:22	57-12-5	

Sample: 072623057 **Lab ID: 40265723013** Collected: 07/26/23 14:48 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.4**	mg/kg	0.99	0.30	6.667	07/28/23 07:12	07/29/23 04:12	7440-38-2	
Barium	**47.0**	mg/kg	0.98	0.30	6.667	07/28/23 07:12	07/29/23 04:12	7440-39-3	
Cadmium	**0.16J**	mg/kg	0.75	0.11	6.667	07/28/23 07:12	07/29/23 04:12	7440-43-9	D3
Chromium	**10.4**	mg/kg	2.3	0.68	6.667	07/28/23 07:12	07/29/23 04:12	7440-47-3	
Lead	**82.2**	mg/kg	0.75	0.20	6.667	07/28/23 07:12	07/29/23 04:12	7439-92-1	
Selenium	**0.56J**	mg/kg	0.75	0.20	6.667	07/28/23 07:12	07/29/23 04:12	7782-49-2	D3
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/28/23 07:12	07/29/23 04:12	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.15**	mg/kg	0.039	0.011	1	08/01/23 06:05	08/01/23 11:08	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**4.3J**	ug/kg	19.7	2.6	1	07/28/23 07:52	07/28/23 11:48	83-32-9	
Acenaphthylene	**10.7J**	ug/kg	19.7	2.5	1	07/28/23 07:52	07/28/23 11:48	208-96-8	
Anthracene	**12.3J**	ug/kg	19.7	2.4	1	07/28/23 07:52	07/28/23 11:48	120-12-7	
Benzo(a)anthracene	**48.3**	ug/kg	19.7	2.5	1	07/28/23 07:52	07/28/23 11:48	56-55-3	
Benzo(a)pyrene	**60.0**	ug/kg	19.7	2.2	1	07/28/23 07:52	07/28/23 11:48	50-32-8	
Benzo(b)fluoranthene	**83.5**	ug/kg	19.7	2.7	1	07/28/23 07:52	07/28/23 11:48	205-99-2	
Benzo(g,h,i)perylene	**47.3**	ug/kg	19.7	3.5	1	07/28/23 07:52	07/28/23 11:48	191-24-2	
Benzo(k)fluoranthene	**27.2**	ug/kg	19.7	2.5	1	07/28/23 07:52	07/28/23 11:48	207-08-9	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623057 **Lab ID: 40265723013** Collected: 07/26/23 14:48 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Chrysene	**60.7**	ug/kg	19.7	3.7	1	07/28/23 07:52	07/28/23 11:48	218-01-9	
Dibenz(a,h)anthracene	**13.8J**	ug/kg	19.7	2.7	1	07/28/23 07:52	07/28/23 11:48	53-70-3	
Fluoranthene	**89.6**	ug/kg	19.7	2.3	1	07/28/23 07:52	07/28/23 11:48	206-44-0	
Fluorene	**5.0J**	ug/kg	19.7	2.4	1	07/28/23 07:52	07/28/23 11:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**36.3**	ug/kg	19.7	4.1	1	07/28/23 07:52	07/28/23 11:48	193-39-5	
1-Methylnaphthalene	**15.8J**	ug/kg	19.7	2.9	1	07/28/23 07:52	07/28/23 11:48	90-12-0	
2-Methylnaphthalene	**22.5**	ug/kg	19.7	2.9	1	07/28/23 07:52	07/28/23 11:48	91-57-6	
Naphthalene	**43.9**	ug/kg	19.7	1.9	1	07/28/23 07:52	07/28/23 11:48	91-20-3	
Phenanthrene	**50.9**	ug/kg	19.7	2.3	1	07/28/23 07:52	07/28/23 11:48	85-01-8	
Pyrene	**74.9**	ug/kg	19.7	2.9	1	07/28/23 07:52	07/28/23 11:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	41-98		1	07/28/23 07:52	07/28/23 11:48	321-60-8	
Terphenyl-d14 (S)	64	%	37-106		1	07/28/23 07:52	07/28/23 11:48	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**38.3**	ug/kg	27.2	16.2	1	07/31/23 07:15	08/01/23 00:52	71-43-2	
Ethylbenzene	**<16.2**	ug/kg	68.1	16.2	1	07/31/23 07:15	08/01/23 00:52	100-41-4	
Toluene	**<17.2**	ug/kg	68.1	17.2	1	07/31/23 07:15	08/01/23 00:52	108-88-3	
1,2,4-Trimethylbenzene	**<20.3**	ug/kg	68.1	20.3	1	07/31/23 07:15	08/01/23 00:52	95-63-6	
Xylene (Total)	**<49.1**	ug/kg	204	49.1	1	07/31/23 07:15	08/01/23 00:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	127	%	68-156		1	07/31/23 07:15	08/01/23 00:52	460-00-4	
Toluene-d8 (S)	119	%	69-153		1	07/31/23 07:15	08/01/23 00:52	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	127	%	71-161		1	07/31/23 07:15	08/01/23 00:52	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.3**	%	0.10	0.10	1		07/27/23 11:53		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.30**	mg/kg	0.91	0.30	1	08/01/23 11:15	08/01/23 13:22	57-12-5	

Sample: 072623058 **Lab ID: 40265723014** Collected: 07/26/23 14:54 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.3**	mg/kg	0.99	0.30	6.667	07/28/23 07:12	07/29/23 04:17	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623058 **Lab ID: 40265723014** Collected: 07/26/23 14:54 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Barium	**87.4**	mg/kg	0.98	0.29	6.667	07/28/23 07:12	07/29/23 04:17	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.75	0.11	6.667	07/28/23 07:12	07/29/23 04:17	7440-43-9	D3
Chromium	**27.2**	mg/kg	2.3	0.68	6.667	07/28/23 07:12	07/29/23 04:17	7440-47-3	
Lead	**6.5**	mg/kg	0.75	0.20	6.667	07/28/23 07:12	07/29/23 04:17	7439-92-1	
Selenium	**0.95**	mg/kg	0.75	0.20	6.667	07/28/23 07:12	07/29/23 04:17	7782-49-2	
Silver	**<0.11**	mg/kg	0.37	0.11	6.667	07/28/23 07:12	07/29/23 04:17	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.039	0.011	1	08/01/23 06:05	08/01/23 11:11	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.5**	ug/kg	19.3	2.5	1	07/31/23 08:09	07/31/23 14:57	83-32-9	
Acenaphthylene	**<2.4**	ug/kg	19.3	2.4	1	07/31/23 08:09	07/31/23 14:57	208-96-8	
Anthracene	**<2.4**	ug/kg	19.3	2.4	1	07/31/23 08:09	07/31/23 14:57	120-12-7	
Benzo(a)anthracene	**<2.5**	ug/kg	19.3	2.5	1	07/31/23 08:09	07/31/23 14:57	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.3	2.2	1	07/31/23 08:09	07/31/23 14:57	50-32-8	
Benzo(b)fluoranthene	**<2.7**	ug/kg	19.3	2.7	1	07/31/23 08:09	07/31/23 14:57	205-99-2	
Benzo(g,h,i)perylene	**3.6J**	ug/kg	19.3	3.4	1	07/31/23 08:09	07/31/23 14:57	191-24-2	
Benzo(k)fluoranthene	**<2.5**	ug/kg	19.3	2.5	1	07/31/23 08:09	07/31/23 14:57	207-08-9	
Chrysene	**<3.6**	ug/kg	19.3	3.6	1	07/31/23 08:09	07/31/23 14:57	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.3	2.7	1	07/31/23 08:09	07/31/23 14:57	53-70-3	
Fluoranthene	**<2.3**	ug/kg	19.3	2.3	1	07/31/23 08:09	07/31/23 14:57	206-44-0	
Fluorene	**<2.3**	ug/kg	19.3	2.3	1	07/31/23 08:09	07/31/23 14:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.0**	ug/kg	19.3	4.0	1	07/31/23 08:09	07/31/23 14:57	193-39-5	
1-Methylnaphthalene	**<2.8**	ug/kg	19.3	2.8	1	07/31/23 08:09	07/31/23 14:57	90-12-0	
2-Methylnaphthalene	**<2.8**	ug/kg	19.3	2.8	1	07/31/23 08:09	07/31/23 14:57	91-57-6	
Naphthalene	**<1.9**	ug/kg	19.3	1.9	1	07/31/23 08:09	07/31/23 14:57	91-20-3	
Phenanthrene	**<2.2**	ug/kg	19.3	2.2	1	07/31/23 08:09	07/31/23 14:57	85-01-8	
Pyrene	**<2.8**	ug/kg	19.3	2.8	1	07/31/23 08:09	07/31/23 14:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	41-98		1	07/31/23 08:09	07/31/23 14:57	321-60-8	
Terphenyl-d14 (S)	57	%	37-106		1	07/31/23 08:09	07/31/23 14:57	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.6**	ug/kg	26.2	15.6	1	07/31/23 07:15	08/01/23 01:12	71-43-2	
Ethylbenzene	**<15.6**	ug/kg	65.4	15.6	1	07/31/23 07:15	08/01/23 01:12	100-41-4	
Toluene	**<16.5**	ug/kg	65.4	16.5	1	07/31/23 07:15	08/01/23 01:12	108-88-3	
1,2,4-Trimethylbenzene	**<19.5**	ug/kg	65.4	19.5	1	07/31/23 07:15	08/01/23 01:12	95-63-6	
Xylene (Total)	**<47.2**	ug/kg	196	47.2	1	07/31/23 07:15	08/01/23 01:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	68-156		1	07/31/23 07:15	08/01/23 01:12	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Sample: 072623058 **Lab ID: 40265723014** Collected: 07/26/23 14:54 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	100	%	69-153		1	07/31/23 07:15	08/01/23 01:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	71-161		1	07/31/23 07:15	08/01/23 01:12	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.4**	%	0.10	0.10	1		07/27/23 13:02		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.35**	mg/kg	1.0	0.35	1	08/01/23 11:15	08/01/23 13:23	57-12-5	

Sample: 072623059 **Lab ID: 40265723015** Collected: 07/26/23 00:00 Received: 07/26/23 15:53 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<11.9**	ug/kg	20.0	11.9	1	07/31/23 07:15	08/01/23 00:12	71-43-2	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	07/31/23 07:15	08/01/23 00:12	100-41-4	
Toluene	**<12.6**	ug/kg	50.0	12.6	1	07/31/23 07:15	08/01/23 00:12	108-88-3	
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	07/31/23 07:15	08/01/23 00:12	95-63-6	
Xylene (Total)	**<36.1**	ug/kg	150	36.1	1	07/31/23 07:15	08/01/23 00:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	68-156		1	07/31/23 07:15	08/01/23 00:12	460-00-4	
Toluene-d8 (S)	100	%	69-153		1	07/31/23 07:15	08/01/23 00:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	71-161		1	07/31/23 07:15	08/01/23 00:12	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

QC Batch: 451117 — Analysis Method: EPA 7471
QC Batch Method: EPA 7471 — Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013, 40265723014

METHOD BLANK: 2592075 — Matrix: Solid
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013, 40265723014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	08/01/23 10:03	

LABORATORY CONTROL SAMPLE: 2592076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.86	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592077 2592078

Parameter	Units	40265654002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.012	0.96	0.96	1.0	1.0	107	107	85-115	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592079 2592080

Parameter	Units	40265723001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.012	0.98	0.99	1.1	1.1	107	107	85-115	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

QC Batch: 450821
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013, 40265723014

METHOD BLANK: 2589993 Matrix: Solid
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013, 40265723014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.040	0.13	07/29/23 02:29	
Barium	mg/kg	<0.039	0.13	07/29/23 02:29	
Cadmium	mg/kg	<0.015	0.10	07/29/23 02:29	
Chromium	mg/kg	<0.091	0.30	07/29/23 02:29	
Lead	mg/kg	<0.027	0.10	07/29/23 02:29	
Selenium	mg/kg	<0.027	0.10	07/29/23 02:29	
Silver	mg/kg	0.044J	0.050	07/29/23 02:29	

LABORATORY CONTROL SAMPLE: 2589994

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	25.0	100	80-120	
Barium	mg/kg	25	24.7	99	80-120	
Cadmium	mg/kg	25	24.7	99	80-120	
Chromium	mg/kg	25	25.2	101	80-120	
Lead	mg/kg	25	24.5	98	80-120	
Selenium	mg/kg	25	25.1	101	80-120	
Silver	mg/kg	12.5	12.2	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2589995 2589996

Parameter	Units	40265723001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	4.0	29.6	29.8	32.6	33.0	96	98	75-125	1	20	
Barium	mg/kg	65.7	29.6	29.8	105	102	133	121	75-125	3	20	M0
Cadmium	mg/kg	0.12J	29.6	29.8	29.1	29.6	98	99	75-125	2	20	
Chromium	mg/kg	20.2	29.6	29.8	50.3	49.2	102	98	75-125	2	20	
Lead	mg/kg	57.5	29.6	29.8	92.6	160	118	347	75-125	54	20	M0,R1
Selenium	mg/kg	0.84	29.6	29.8	29.3	30.0	96	98	75-125	2	20	
Silver	mg/kg	<0.11	14.9	14.9	14.0	14.3	94	96	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

QC Batch: 451058
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013, 40265723014, 40265723015

METHOD BLANK: 2591909 Matrix: Solid
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013, 40265723014, 40265723015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	07/31/23 19:29	
Benzene	ug/kg	<11.9	20.0	07/31/23 19:29	
Ethylbenzene	ug/kg	<11.9	50.0	07/31/23 19:29	
Toluene	ug/kg	<12.6	50.0	07/31/23 19:29	
Xylene (Total)	ug/kg	<36.1	150	07/31/23 19:29	
1,2-Dichlorobenzene-d4 (S)	%	106	71-161	07/31/23 19:29	
4-Bromofluorobenzene (S)	%	106	68-156	07/31/23 19:29	
Toluene-d8 (S)	%	106	69-153	07/31/23 19:29	

LABORATORY CONTROL SAMPLE: 2591910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2610	104	70-130	
Ethylbenzene	ug/kg	2500	2520	101	80-120	
Toluene	ug/kg	2500	2520	101	80-120	
Xylene (Total)	ug/kg	7500	7670	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			111	71-161	
4-Bromofluorobenzene (S)	%			117	68-156	
Toluene-d8 (S)	%			112	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2591911 2591912

Parameter	Units	40265723001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	21.4J	1190	1190	1310	1420	109	118	70-130	8	20	
Ethylbenzene	ug/kg	<16.4	1190	1190	1340	1390	112	116	80-120	3	20	
Toluene	ug/kg	<17.4	1190	1190	1310	1420	110	119	79-120	8	20	
Xylene (Total)	ug/kg	<49.8	3570	3570	4220	4080	118	114	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%						110	106	71-161			
4-Bromofluorobenzene (S)	%						111	113	68-156			
Toluene-d8 (S)	%						109	110	69-153			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

QC Batch: 450889
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013

METHOD BLANK: 2590490 Matrix: Solid
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	07/28/23 10:05	
2-Methylnaphthalene	ug/kg	<2.4	16.7	07/28/23 10:05	
Acenaphthene	ug/kg	<2.2	16.7	07/28/23 10:05	
Acenaphthylene	ug/kg	<2.1	16.7	07/28/23 10:05	
Anthracene	ug/kg	<2.1	16.7	07/28/23 10:05	
Benzo(a)anthracene	ug/kg	<2.2	16.7	07/28/23 10:05	
Benzo(a)pyrene	ug/kg	<1.9	16.7	07/28/23 10:05	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	07/28/23 10:05	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	07/28/23 10:05	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	07/28/23 10:05	
Chrysene	ug/kg	<3.2	16.7	07/28/23 10:05	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	07/28/23 10:05	
Fluoranthene	ug/kg	<2.0	16.7	07/28/23 10:05	
Fluorene	ug/kg	<2.0	16.7	07/28/23 10:05	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	07/28/23 10:05	
Naphthalene	ug/kg	<1.6	16.7	07/28/23 10:05	
Phenanthrene	ug/kg	<1.9	16.7	07/28/23 10:05	
Pyrene	ug/kg	<2.5	16.7	07/28/23 10:05	
2-Fluorobiphenyl (S)	%	86	41-98	07/28/23 10:05	
Terphenyl-d14 (S)	%	91	37-106	07/28/23 10:05	

LABORATORY CONTROL SAMPLE: 2590491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	282	85	64-110	
2-Methylnaphthalene	ug/kg	334	277	83	60-110	
Acenaphthene	ug/kg	334	295	88	69-120	
Acenaphthylene	ug/kg	334	295	88	63-120	
Anthracene	ug/kg	334	247	74	71-112	
Benzo(a)anthracene	ug/kg	334	260	78	62-120	
Benzo(a)pyrene	ug/kg	334	301	90	71-111	
Benzo(b)fluoranthene	ug/kg	334	286	86	59-112	
Benzo(g,h,i)perylene	ug/kg	334	300	90	64-115	
Benzo(k)fluoranthene	ug/kg	334	304	91	72-117	
Chrysene	ug/kg	334	305	91	75-120	
Dibenz(a,h)anthracene	ug/kg	334	297	89	67-114	
Fluoranthene	ug/kg	334	299	90	70-110	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

LABORATORY CONTROL SAMPLE: 2590491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	334	304	91	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	334	298	89	71-114	
Naphthalene	ug/kg	334	278	83	62-120	
Phenanthrene	ug/kg	334	288	86	59-106	
Pyrene	ug/kg	334	294	88	69-120	
2-Fluorobiphenyl (S)	%			92	41-98	
Terphenyl-d14 (S)	%			88	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2590492 2590493

Parameter	Units	40265723001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	25.9	398	398	325	373	75	87	51-110	14	34	
2-Methylnaphthalene	ug/kg	39.3	398	398	329	403	73	92	45-110	20	29	
Acenaphthene	ug/kg	<2.6	398	398	295	358	74	90	52-120	19	26	
Acenaphthylene	ug/kg	<2.5	398	398	304	310	76	78	46-120	2	22	
Anthracene	ug/kg	74.8	398	398	372	406	75	83	50-112	9	25	
Benzo(a)anthracene	ug/kg	121	398	398	412	446	73	82	41-120	8	37	
Benzo(a)pyrene	ug/kg	120	398	398	435	461	79	86	44-114	6	33	
Benzo(b)fluoranthene	ug/kg	221	398	398	511	561	73	85	41-112	9	43	
Benzo(g,h,i)perylene	ug/kg	127	398	398	413	426	72	75	40-115	3	36	
Benzo(k)fluoranthene	ug/kg	67.5	398	398	382	403	79	85	56-117	5	30	
Chrysene	ug/kg	192	398	398	462	513	68	81	45-120	11	28	
Dibenz(a,h)anthracene	ug/kg	32.9	398	398	342	336	78	76	44-114	2	33	
Fluoranthene	ug/kg	219	398	398	533	599	79	96	55-110	12	43	
Fluorene	ug/kg	5.8J	398	398	315	345	78	85	47-104	9	27	
Indeno(1,2,3-cd)pyrene	ug/kg	85.9	398	398	377	385	73	75	45-114	2	33	
Naphthalene	ug/kg	560	398	398	758	826	50	67	47-120	9	26	
Phenanthrene	ug/kg	505	398	398	776	934	68	108	38-106	19	24	M1
Pyrene	ug/kg	177	398	398	455	519	70	86	51-120	13	41	
2-Fluorobiphenyl (S)	%						74	75	41-98			
Terphenyl-d14 (S)	%						66	69	37-106			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

QC Batch: 451003
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265723014

METHOD BLANK: 2591793 Matrix: Solid
Associated Lab Samples: 40265723014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	07/31/23 10:56	
2-Methylnaphthalene	ug/kg	<2.4	16.7	07/31/23 10:56	
Acenaphthene	ug/kg	<2.2	16.7	07/31/23 10:56	
Acenaphthylene	ug/kg	<2.1	16.7	07/31/23 10:56	
Anthracene	ug/kg	<2.1	16.7	07/31/23 10:56	
Benzo(a)anthracene	ug/kg	<2.2	16.7	07/31/23 10:56	
Benzo(a)pyrene	ug/kg	<1.9	16.7	07/31/23 10:56	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	07/31/23 10:56	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	07/31/23 10:56	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	07/31/23 10:56	
Chrysene	ug/kg	<3.1	16.7	07/31/23 10:56	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	07/31/23 10:56	
Fluoranthene	ug/kg	<2.0	16.7	07/31/23 10:56	
Fluorene	ug/kg	<2.0	16.7	07/31/23 10:56	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	07/31/23 10:56	
Naphthalene	ug/kg	<1.6	16.7	07/31/23 10:56	
Phenanthrene	ug/kg	<1.9	16.7	07/31/23 10:56	
Pyrene	ug/kg	<2.5	16.7	07/31/23 10:56	
2-Fluorobiphenyl (S)	%	85	41-98	07/31/23 10:56	
Terphenyl-d14 (S)	%	96	37-106	07/31/23 10:56	

LABORATORY CONTROL SAMPLE: 2591794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	272	82	64-110	
2-Methylnaphthalene	ug/kg	334	259	78	60-110	
Acenaphthene	ug/kg	334	269	81	69-120	
Acenaphthylene	ug/kg	334	274	82	63-120	
Anthracene	ug/kg	334	292	88	71-112	
Benzo(a)anthracene	ug/kg	334	250	75	62-120	
Benzo(a)pyrene	ug/kg	334	272	82	71-111	
Benzo(b)fluoranthene	ug/kg	334	279	84	59-112	
Benzo(g,h,i)perylene	ug/kg	334	310	93	64-115	
Benzo(k)fluoranthene	ug/kg	334	287	86	72-117	
Chrysene	ug/kg	334	300	90	75-120	
Dibenz(a,h)anthracene	ug/kg	334	304	91	67-114	
Fluoranthene	ug/kg	334	278	83	70-110	
Fluorene	ug/kg	334	278	83	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	334	304	91	71-114	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

LABORATORY CONTROL SAMPLE: 2591794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	334	250	75	62-120	
Phenanthrene	ug/kg	334	281	84	59-106	
Pyrene	ug/kg	334	292	87	69-120	
2-Fluorobiphenyl (S)	%			86	41-98	
Terphenyl-d14 (S)	%			88	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2591795 2591796

Parameter	Units	40265705012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	7.2J	415	414	302	281	71	66	51-110	7	34	
2-Methylnaphthalene	ug/kg	11.3J	415	414	305	279	71	65	45-110	9	29	
Acenaphthene	ug/kg	<2.7	415	414	327	294	79	71	52-120	11	26	
Acenaphthylene	ug/kg	<2.6	415	414	324	297	78	72	46-120	9	22	
Anthracene	ug/kg	<2.6	415	414	267	252	64	61	50-112	6	25	
Benzo(a)anthracene	ug/kg	<2.7	415	414	281	260	68	63	41-120	8	37	
Benzo(a)pyrene	ug/kg	<2.4	415	414	358	287	86	69	44-114	22	33	
Benzo(b)fluoranthene	ug/kg	<2.9	415	414	303	282	73	68	41-112	7	43	
Benzo(g,h,i)perylene	ug/kg	<3.6	415	414	324	314	78	76	40-115	3	36	
Benzo(k)fluoranthene	ug/kg	<2.7	415	414	335	328	81	79	56-117	2	30	
Chrysene	ug/kg	<3.9	415	414	343	332	82	80	45-120	3	28	
Dibenz(a,h)anthracene	ug/kg	<2.9	415	414	326	308	79	74	44-114	6	33	
Fluoranthene	ug/kg	<2.5	415	414	316	298	76	72	55-110	6	43	
Fluorene	ug/kg	<2.5	415	414	335	308	81	74	47-104	9	27	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.3	415	414	329	311	79	75	45-114	6	33	
Naphthalene	ug/kg	43.9	415	414	346	279	73	57	47-120	22	26	
Phenanthrene	ug/kg	3.3J	415	414	319	298	76	71	38-106	7	24	
Pyrene	ug/kg	<3.1	415	414	331	311	79	75	51-120	6	41	
2-Fluorobiphenyl (S)	%						80	71	41-98			
Terphenyl-d14 (S)	%						76	71	37-106			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

QC Batch: 450828
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013

SAMPLE DUPLICATE: 2590047

Parameter	Units	40265723007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.8	13.9	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

QC Batch: 450847
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40265723014

SAMPLE DUPLICATE: 2590109

Parameter	Units	40265609001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.8	4.8	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

QC Batch: 451139 Analysis Method: EPA 9012B
QC Batch Method: EPA 9012B Analysis Description: 9012 Cyanide
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013, 40265723014

METHOD BLANK: 2592149 Matrix: Solid
Associated Lab Samples: 40265723001, 40265723002, 40265723003, 40265723004, 40265723005, 40265723006, 40265723007, 40265723008, 40265723009, 40265723010, 40265723011, 40265723012, 40265723013, 40265723014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.31	0.92	08/01/23 13:09	

LABORATORY CONTROL SAMPLE: 2592150

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3	3.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592151 2592152

Parameter	Units	40265723001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	0.58J	2.9	3	3.0	3.2	85	88	80-120	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592153 2592154

Parameter	Units	40265795006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	<0.27	2.5	2.7	2.6	2.6	92	92	80-120	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

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.

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265723001	**072623045**	EPA 3050B	450821	EPA 6020B	450960
40265723002	**072623046**	EPA 3050B	450821	EPA 6020B	450960
40265723003	**072623047**	EPA 3050B	450821	EPA 6020B	450960
40265723004	**072623048**	EPA 3050B	450821	EPA 6020B	450960
40265723005	**072623049**	EPA 3050B	450821	EPA 6020B	450960
40265723006	**072623050**	EPA 3050B	450821	EPA 6020B	450960
40265723007	**072623051**	EPA 3050B	450821	EPA 6020B	450960
40265723008	**072623052**	EPA 3050B	450821	EPA 6020B	450960
40265723009	**072623053**	EPA 3050B	450821	EPA 6020B	450960
40265723010	**072623054**	EPA 3050B	450821	EPA 6020B	450960
40265723011	**072623055**	EPA 3050B	450821	EPA 6020B	450960
40265723012	**072623056**	EPA 3050B	450821	EPA 6020B	450960
40265723013	**072623057**	EPA 3050B	450821	EPA 6020B	450960
40265723014	**072623058**	EPA 3050B	450821	EPA 6020B	450960
40265723001	**072623045**	EPA 7471	451117	EPA 7471	451132
40265723002	**072623046**	EPA 7471	451117	EPA 7471	451132
40265723003	**072623047**	EPA 7471	451117	EPA 7471	451132
40265723004	**072623048**	EPA 7471	451117	EPA 7471	451132
40265723005	**072623049**	EPA 7471	451117	EPA 7471	451132
40265723006	**072623050**	EPA 7471	451117	EPA 7471	451132
40265723007	**072623051**	EPA 7471	451117	EPA 7471	451132
40265723008	**072623052**	EPA 7471	451117	EPA 7471	451132
40265723009	**072623053**	EPA 7471	451117	EPA 7471	451132
40265723010	**072623054**	EPA 7471	451117	EPA 7471	451132
40265723011	**072623055**	EPA 7471	451117	EPA 7471	451132
40265723012	**072623056**	EPA 7471	451117	EPA 7471	451132
40265723013	**072623057**	EPA 7471	451117	EPA 7471	451132
40265723014	**072623058**	EPA 7471	451117	EPA 7471	451132
40265723001	**072623045**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723002	**072623046**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723003	**072623047**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723004	**072623048**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723005	**072623049**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723006	**072623050**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723007	**072623051**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723008	**072623052**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723009	**072623053**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723010	**072623054**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723011	**072623055**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723012	**072623056**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723013	**072623057**	EPA 3546	450889	EPA 8270E by SIM	450946
40265723014	**072623058**	EPA 3546	451003	EPA 8270E by SIM	451063
40265723001	**072623045**	EPA 5035/5030B	451058	EPA 8260	451061
40265723002	**072623046**	EPA 5035/5030B	451058	EPA 8260	451061
40265723003	**072623047**	EPA 5035/5030B	451058	EPA 8260	451061
40265723004	**072623048**	EPA 5035/5030B	451058	EPA 8260	451061
40265723005	**072623049**	EPA 5035/5030B	451058	EPA 8260	451061

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265723006	**072623050**	EPA 5035/5030B	451058	EPA 8260	451061
40265723007	**072623051**	EPA 5035/5030B	451058	EPA 8260	451061
40265723008	**072623052**	EPA 5035/5030B	451058	EPA 8260	451061
40265723009	**072623053**	EPA 5035/5030B	451058	EPA 8260	451061
40265723010	**072623054**	EPA 5035/5030B	451058	EPA 8260	451061
40265723011	**072623055**	EPA 5035/5030B	451058	EPA 8260	451061
40265723012	**072623056**	EPA 5035/5030B	451058	EPA 8260	451061
40265723013	**072623057**	EPA 5035/5030B	451058	EPA 8260	451061
40265723014	**072623058**	EPA 5035/5030B	451058	EPA 8260	451061
40265723015	**072623059**	EPA 5035/5030B	451058	EPA 8260	451061
40265723001	**072623045**	ASTM D2974-87	450828		
40265723002	**072623046**	ASTM D2974-87	450828		
40265723003	**072623047**	ASTM D2974-87	450828		
40265723004	**072623048**	ASTM D2974-87	450828		
40265723005	**072623049**	ASTM D2974-87	450828		
40265723006	**072623050**	ASTM D2974-87	450828		
40265723007	**072623051**	ASTM D2974-87	450828		
40265723008	**072623052**	ASTM D2974-87	450828		
40265723009	**072623053**	ASTM D2974-87	450828		
40265723010	**072623054**	ASTM D2974-87	450828		
40265723011	**072623055**	ASTM D2974-87	450828		
40265723012	**072623056**	ASTM D2974-87	450828		
40265723013	**072623057**	ASTM D2974-87	450828		
40265723014	**072623058**	ASTM D2974-87	450847		
40265723001	**072623045**	EPA 9012B	451139	EPA 9012B	451172
40265723002	**072623046**	EPA 9012B	451139	EPA 9012B	451172
40265723003	**072623047**	EPA 9012B	451139	EPA 9012B	451172
40265723004	**072623048**	EPA 9012B	451139	EPA 9012B	451172
40265723005	**072623049**	EPA 9012B	451139	EPA 9012B	451172
40265723006	**072623050**	EPA 9012B	451139	EPA 9012B	451172
40265723007	**072623051**	EPA 9012B	451139	EPA 9012B	451172
40265723008	**072623052**	EPA 9012B	451139	EPA 9012B	451172
40265723009	**072623053**	EPA 9012B	451139	EPA 9012B	451172
40265723010	**072623054**	EPA 9012B	451139	EPA 9012B	451172
40265723011	**072623055**	EPA 9012B	451139	EPA 9012B	451172
40265723012	**072623056**	EPA 9012B	451139	EPA 9012B	451172
40265723013	**072623057**	EPA 9012B	451139	EPA 9012B	451172
40265723014	**072623058**	EPA 9012B	451139	EPA 9012B	451172

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PACE PROPOFF

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

QA: LCA 7/26/23

402657223

COC#1940103765.004

Page: 1 of 2

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company:	Ramboll / WPSC	Report To	GDSData@ramboll.com	Attention	Acts Payable/PM Frank Dombrowski
Address	234 W. Florida St., 5th Floor	Copy To	Staci.Goetz@ramboll.com	Company Name	Wisconsin Public Service Corp.
	Milwaukee, WI 53204		ASmall@ramboll.com	Address	333 W Everett St Milwakee WI 53203
Email To	Nate.Duda@ramboll.com	Purchase Order No :		Pace Quote Reference	
Phone.	262-719-4512 Fax.	Project Name.	Former Green Bay MGP	Pace Project Manager	Brian Basten
Requested Due Date/TAT:	Standard TAT	Project Number:	1950103365	Pace Profile #	4543 #19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WI

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072623045	S	G	7/26/23	9 05	–	–		9	6						3			X	X	X	X	X		001
2	072623046	S	G	7/26/23	9 20	–	–		3	2						1			X	X	X	X	X		002
3	072623047	S	G	7/26/23	9 30	–	–		3	2						1			X	X	X	X	X		003
4	072623048	S	G	7/26/23	10 45	–	–		3	2						1			X	X	X	X	X		004
5	072623049	S	G	7/26/23	10 50	–	–		3	2						1			X	X	X	X	X		005
6	072623050	S	G	7/26/23	10 55	–	–		3	2						1			X	X	X	X	X		006
7	072623051	S	G	7/26/23	11 00	–	–		3	2						1			X	X	X	X	X		007
8	072623052	S	G	7/26/23	11 10	–	–		3	2						1			X	X	X	X	X		008
9	072623053	S	G	7/26/23	13 50	–	–		3	2						1			X	X	X	X	X		009
10	072623054	S	G	7/26/23	14 04	–	–		3	2						1			X	X	X	X	X		010
11	072623055	S	G	7/26/23	14 09	–	–		3	2						1			X	X	X	X	X		011
12	072623056	S	G	7/26/23	14.38	–	–		3	2						1			X	X	X	X	X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
072623045 MS/MSD	[signature] Ramboll	7-26-23	1553	[signature] pace	7/26/23	1553	4.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07/26/23

*Important Note By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1 5% per month for any invoices not paid within 30 days

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PACE DROPOFF

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40265723

QA: NWA 7/26/23

COC#1950103365.004

Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Ramboll / WPSC	Report To:	GDSData@ramboll.com	Attention:	Acts Payable/PM Frank Dombrowski
Address:	234 W. Florida St., 5th Floor	Copy To:	Staci.Goetz@ramboll.com	Company Name:	Wisconsin Public Service Corp.
	Milwaukee, WI 53204		ASmall@ramboll.com	Address:	333 W Everett St Milwakee WI 53203
Email To:	Nate.Duda@ramboll.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	262-719-4512 Fax:	Project Name:	Former Green Bay MGP	Pace Project Manager:	Brian Basten
Requested Due Date/TAT:	Standard TAT	Project Number:	1950103365	Pace Profile #:	4543 #19

REGULATORY AGENCY

- ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
- ☐ UST ☐ RCRA ☐ OTHER ______

Site Location STATE: WI

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072623057	S	G	7/26/23	14:48	–	–		3	2						1			X	X	X	X	X		013
2	072623058	S	G	7/26/23	14:54	–	–		3	2						1			X	X	X	X	X		014
3	072623059	S	G	7/26/23	–	–	–		1							1			X						015
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] / Ramboll	7-26-23	1553	[signature] Pace	7/26/23	1553	4.0	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07/26/23

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Client Name: Ramboll/WPSC

Sample Preservation Receipt Form

Project # ✓402665723

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

Initial when completed MNS Date/Time:

Lab Lot# of pH paper.

Lab Std #ID of preservation (if pH adjusted)

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001																		3		3			3										2.5 / 5
002																		3		1			1										2.5 / 5
003																		1		1			1										2.5 / 5
004																		1		1			1										2.5 / 5
005																		1		1			1										2.5 / 5
006																		1		1			1										2.5 / 5
007																		1		1			1										2.5 / 5
008																		1		1			1										2.5 / 5
009																		1		1			1										2.5 / 5
010																		1		1			1										2.5 / 5
011																		1		1			1										2.5 / 5
012																		1		1			1										2.5 / 5
013																		1		1			1										2.5 / 5
014																		1		1			1										2.5 / 5
015																		1															2.5 / 5
016																																	2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																																	2.5 / 5

MNS 07/26/2023

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	VG9C	40 mL clear ascorbic w/ HCl	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
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40265723

40265723

Client Name: Ramboll/WPSC

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

Tracking #: _____

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 -~~108~~ 134 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 4.0 /Corr. 4.0

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: 07/26/2023 Initials: MW

Labeled By Initials: SG

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☑Yes ☐No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: (Pace Green Bay) Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): VIN1230		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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

August 03, 2023

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on July 27, 2023. 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,

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

Enclosures

cc: ERIC BAUER, Ramboll
NRT Data, Ramboll
Abigail Small, Ramboll
Dan Vachon, Ramboll

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

CERTIFICATIONS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

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
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40265795001	**072723060**	Solid	07/27/23 08:07	07/27/23 10:46
40265795002	**072723061**	Solid	07/27/23 08:17	07/27/23 10:46
40265795003	**072723062**	Solid	07/27/23 08:22	07/27/23 10:46
40265795004	**072723063**	Solid	07/27/23 08:45	07/27/23 10:46
40265795005	**072723064**	Solid	07/27/23 08:50	07/27/23 10:46
40265795006	**072723065**	Solid	07/27/23 08:55	07/27/23 10:46
40265795007	**072723066**	Solid	07/27/23 00:00	07/27/23 10:46

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

SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40265795001	**072723060**	EPA 6020B	KXS	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	NMK	1
		EPA 9012B	DAW	1
40265795002	**072723061**	EPA 6020B	KXS	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	NMK	1
		EPA 9012B	DAW	1
40265795003	**072723062**	EPA 6020B	KXS	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	NMK	1
		EPA 9012B	DAW	1
40265795004	**072723063**	EPA 6020B	KXS	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	NMK	1
		EPA 9012B	DAW	1
40265795005	**072723064**	EPA 6020B	KXS	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	NMK	1
		EPA 9012B	DAW	1
40265795006	**072723065**	EPA 6020B	KXS	7
		EPA 7471	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	NMK	1
		EPA 9012B	DAW	1
40265795007	**072723066**	EPA 8260	ALD	8

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Lab ID	Sample ID	Method	Analysts	Analytes Reported

PASI-G = Pace Analytical Services - Green Bay

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 03, 2023

General Information:
6 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

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

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

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

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

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

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

QC Batch: 451001

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40265795001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2591791)
  - Barium
- MSD (Lab ID: 2591792)
  - Barium

Additional Comments:

Analyte Comments:

QC Batch: 451001

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072723060 (Lab ID: 40265795001)
  - Silver

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 03, 2023

Analyte Comments:

QC Batch: 451001

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072723060 (Lab ID: 40265795001)
  - Cadmium
  - Selenium
- 072723061 (Lab ID: 40265795002)
  - Silver
  - Cadmium
- 072723062 (Lab ID: 40265795003)
  - Silver
  - Cadmium
- 072723063 (Lab ID: 40265795004)
  - Silver
  - Cadmium
  - Selenium
- 072723064 (Lab ID: 40265795005)
  - Silver
  - Cadmium
  - Selenium
- 072723065 (Lab ID: 40265795006)
  - Silver
  - Cadmium

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Method: **EPA 7471**
Description: 7471 Mercury
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 03, 2023

General Information:
6 samples were analyzed for EPA 7471 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

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

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

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

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

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

Additional Comments:

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

PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Method: **EPA 8270E by SIM**
Description: 8270E MSSV PAH by SIM
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 03, 2023

General Information:
6 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

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

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

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

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

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

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

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

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 03, 2023

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

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

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

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

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

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

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

QC Batch: 451058

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 072723061 (Lab ID: 40265795002)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)
- 072723062 (Lab ID: 40265795003)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

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

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

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Method: **EPA 8260**
Description: 8260 MSV Med Level Short List
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 03, 2023

Analyte Comments:

QC Batch: 451058

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 072723061 (Lab ID: 40265795002)
  - 4-Bromofluorobenzene (S)
- 072723062 (Lab ID: 40265795003)
  - 4-Bromofluorobenzene (S)

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PROJECT NARRATIVE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Method: **EPA 9012B**
Description: 9012 Cyanide, Total
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: August 03, 2023

General Information:
6 samples were analyzed for EPA 9012B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

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

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

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

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723060 **Lab ID: 40265795001** Collected: 07/27/23 08:07 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.8**	mg/kg	0.93	0.28	6.667	07/31/23 06:22	08/02/23 15:32	7440-38-2	
Barium	**6.9**	mg/kg	0.92	0.28	6.667	07/31/23 06:22	08/02/23 15:32	7440-39-3	M0
Cadmium	**<0.10**	mg/kg	0.70	0.10	6.667	07/31/23 06:22	08/02/23 15:32	7440-43-9	D3
Chromium	**19.3**	mg/kg	2.1	0.64	6.667	07/31/23 06:22	08/02/23 15:32	7440-47-3	
Lead	**13.8**	mg/kg	0.70	0.19	6.667	07/31/23 06:22	08/02/23 15:32	7439-92-1	
Selenium	**0.47J**	mg/kg	0.70	0.19	6.667	07/31/23 06:22	08/02/23 15:32	7782-49-2	D3
Silver	**<0.10**	mg/kg	0.35	0.10	6.667	07/31/23 06:22	08/02/23 15:32	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.010**	mg/kg	0.036	0.010	1	08/01/23 10:08	08/02/23 08:47	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.6	2.3	1	07/31/23 08:09	07/31/23 15:15	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.6	2.2	1	07/31/23 08:09	07/31/23 15:15	208-96-8	
Anthracene	**<2.2**	ug/kg	17.6	2.2	1	07/31/23 08:09	07/31/23 15:15	120-12-7	
Benzo(a)anthracene	**<2.3**	ug/kg	17.6	2.3	1	07/31/23 08:09	07/31/23 15:15	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.6	2.0	1	07/31/23 08:09	07/31/23 15:15	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.6	2.4	1	07/31/23 08:09	07/31/23 15:15	205-99-2	
Benzo(g,h,i)perylene	**<3.1**	ug/kg	17.6	3.1	1	07/31/23 08:09	07/31/23 15:15	191-24-2	
Benzo(k)fluoranthene	**<2.3**	ug/kg	17.6	2.3	1	07/31/23 08:09	07/31/23 15:15	207-08-9	
Chrysene	**7.8J**	ug/kg	17.6	3.3	1	07/31/23 08:09	07/31/23 15:15	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.6	2.4	1	07/31/23 08:09	07/31/23 15:15	53-70-3	
Fluoranthene	**<2.1**	ug/kg	17.6	2.1	1	07/31/23 08:09	07/31/23 15:15	206-44-0	
Fluorene	**<2.1**	ug/kg	17.6	2.1	1	07/31/23 08:09	07/31/23 15:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.7**	ug/kg	17.6	3.7	1	07/31/23 08:09	07/31/23 15:15	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.6	2.6	1	07/31/23 08:09	07/31/23 15:15	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	17.6	2.6	1	07/31/23 08:09	07/31/23 15:15	91-57-6	
Naphthalene	**2.0J**	ug/kg	17.6	1.7	1	07/31/23 08:09	07/31/23 15:15	91-20-3	
Phenanthrene	**8.9J**	ug/kg	17.6	2.0	1	07/31/23 08:09	07/31/23 15:15	85-01-8	
Pyrene	**4.1J**	ug/kg	17.6	2.6	1	07/31/23 08:09	07/31/23 15:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	41-98		1	07/31/23 08:09	07/31/23 15:15	321-60-8	
Terphenyl-d14 (S)	71	%	37-106		1	07/31/23 08:09	07/31/23 15:15	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.2**	ug/kg	22.1	13.2	1	08/01/23 07:10	08/01/23 16:48	71-43-2	
Ethylbenzene	**<13.2**	ug/kg	55.4	13.2	1	08/01/23 07:10	08/01/23 16:48	100-41-4	
Toluene	**<14.0**	ug/kg	55.4	14.0	1	08/01/23 07:10	08/01/23 16:48	108-88-3	
1,2,4-Trimethylbenzene	**<16.5**	ug/kg	55.4	16.5	1	08/01/23 07:10	08/01/23 16:48	95-63-6	
Xylene (Total)	**<40.0**	ug/kg	166	40.0	1	08/01/23 07:10	08/01/23 16:48	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723060 **Lab ID: 40265795001** Collected: 07/27/23 08:07 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
4-Bromofluorobenzene (S)	134	%	68-156		1	08/01/23 07:10	08/01/23 16:48	460-00-4	
Toluene-d8 (S)	116	%	69-153		1	08/01/23 07:10	08/01/23 16:48	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	130	%	71-161		1	08/01/23 07:10	08/01/23 16:48	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**5.1**	%	0.10	0.10	1		07/31/23 12:41		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.26**	mg/kg	0.77	0.26	1	08/01/23 11:15	08/01/23 13:24	57-12-5	

Sample: 072723061 **Lab ID: 40265795002** Collected: 07/27/23 08:17 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.7**	mg/kg	1.1	0.33	6.667	07/31/23 06:22	08/02/23 16:01	7440-38-2	
Barium	**94.4**	mg/kg	1.1	0.33	6.667	07/31/23 06:22	08/02/23 16:01	7440-39-3	
Cadmium	**0.32J**	mg/kg	0.83	0.12	6.667	07/31/23 06:22	08/02/23 16:01	7440-43-9	D3
Chromium	**26.4**	mg/kg	2.5	0.75	6.667	07/31/23 06:22	08/02/23 16:01	7440-47-3	
Lead	**64.6**	mg/kg	0.83	0.22	6.667	07/31/23 06:22	08/02/23 16:01	7439-92-1	
Selenium	**0.94**	mg/kg	0.83	0.23	6.667	07/31/23 06:22	08/02/23 16:01	7782-49-2	
Silver	**<0.12**	mg/kg	0.41	0.12	6.667	07/31/23 06:22	08/02/23 16:01	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.20**	mg/kg	0.046	0.013	1	08/01/23 10:08	08/02/23 08:54	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**13900**	ug/kg	8810	1140	400	07/31/23 08:09	07/31/23 16:41	83-32-9	
Acenaphthylene	**2640J**	ug/kg	8810	1110	400	07/31/23 08:09	07/31/23 16:41	208-96-8	
Anthracene	**7970J**	ug/kg	8810	1090	400	07/31/23 08:09	07/31/23 16:41	120-12-7	
Benzo(a)anthracene	**6350J**	ug/kg	8810	1140	400	07/31/23 08:09	07/31/23 16:41	56-55-3	
Benzo(a)pyrene	**5790J**	ug/kg	8810	1000	400	07/31/23 08:09	07/31/23 16:41	50-32-8	
Benzo(b)fluoranthene	**6070J**	ug/kg	8810	1220	400	07/31/23 08:09	07/31/23 16:41	205-99-2	
Benzo(g,h,i)perylene	**3630J**	ug/kg	8810	1550	400	07/31/23 08:09	07/31/23 16:41	191-24-2	
Benzo(k)fluoranthene	**2670J**	ug/kg	8810	1130	400	07/31/23 08:09	07/31/23 16:41	207-08-9	

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723061 **Lab ID: 40265795002** Collected: 07/27/23 08:17 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Chrysene	**8030J**	ug/kg	8810	1660	400	07/31/23 08:09	07/31/23 16:41	218-01-9	
Dibenz(a,h)anthracene	**<1220**	ug/kg	8810	1220	400	07/31/23 08:09	07/31/23 16:41	53-70-3	
Fluoranthene	**12700**	ug/kg	8810	1040	400	07/31/23 08:09	07/31/23 16:41	206-44-0	
Fluorene	**8070J**	ug/kg	8810	1060	400	07/31/23 08:09	07/31/23 16:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**2520J**	ug/kg	8810	1840	400	07/31/23 08:09	07/31/23 16:41	193-39-5	
1-Methylnaphthalene	**39600**	ug/kg	8810	1290	400	07/31/23 08:09	07/31/23 16:41	90-12-0	
2-Methylnaphthalene	**28300**	ug/kg	8810	1290	400	07/31/23 08:09	07/31/23 16:41	91-57-6	
Naphthalene	**131000**	ug/kg	8810	858	400	07/31/23 08:09	07/31/23 16:41	91-20-3	
Phenanthrene	**24200**	ug/kg	8810	1010	400	07/31/23 08:09	07/31/23 16:41	85-01-8	
Pyrene	**15100**	ug/kg	8810	1290	400	07/31/23 08:09	07/31/23 16:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	82	%	41-98		400	07/31/23 08:09	07/31/23 16:41	321-60-8	
Terphenyl-d14 (S)	69	%	37-106		400	07/31/23 08:09	07/31/23 16:41	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**15700**	ug/kg	4100	2440	125	07/31/23 07:15	08/01/23 04:13	71-43-2	
Ethylbenzene	**60200**	ug/kg	10200	2440	125	07/31/23 07:15	08/01/23 04:13	100-41-4	
Toluene	**<2580**	ug/kg	10200	2580	125	07/31/23 07:15	08/01/23 04:13	108-88-3	
1,2,4-Trimethylbenzene	**59200**	ug/kg	10200	3050	125	07/31/23 07:15	08/01/23 04:13	95-63-6	
Xylene (Total)	**44300**	ug/kg	30700	7390	125	07/31/23 07:15	08/01/23 04:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	320	%	68-156		125	07/31/23 07:15	08/01/23 04:13	460-00-4	D3,S4
Toluene-d8 (S)	163	%	69-153		125	07/31/23 07:15	08/01/23 04:13	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	218	%	71-161		125	07/31/23 07:15	08/01/23 04:13	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**24.2**	%	0.10	0.10	1		07/31/23 12:41		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**0.97**	mg/kg	0.86	0.29	1	08/01/23 11:15	08/01/23 13:25	57-12-5	

Sample: 072723062 **Lab ID: 40265795003** Collected: 07/27/23 08:22 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.8**	mg/kg	0.99	0.30	6.667	07/31/23 06:22	08/02/23 16:16	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723062 **Lab ID: 40265795003** Collected: 07/27/23 08:22 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Barium	**83.2**	mg/kg	0.98	0.30	6.667	07/31/23 06:22	08/02/23 16:16	7440-39-3	
Cadmium	**<0.11**	mg/kg	0.75	0.11	6.667	07/31/23 06:22	08/02/23 16:16	7440-43-9	D3
Chromium	**26.7**	mg/kg	2.3	0.68	6.667	07/31/23 06:22	08/02/23 16:16	7440-47-3	
Lead	**5.9**	mg/kg	0.75	0.20	6.667	07/31/23 06:22	08/02/23 16:16	7439-92-1	
Selenium	**0.84**	mg/kg	0.75	0.20	6.667	07/31/23 06:22	08/02/23 16:16	7782-49-2	
Silver	**<0.11**	mg/kg	0.37	0.11	6.667	07/31/23 06:22	08/02/23 16:16	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.012J**	mg/kg	0.037	0.011	1	08/01/23 10:08	08/02/23 08:56	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**556J**	ug/kg	1980	257	100	07/31/23 08:09	07/31/23 15:32	83-32-9	
Acenaphthylene	**1450J**	ug/kg	1980	249	100	07/31/23 08:09	07/31/23 15:32	208-96-8	
Anthracene	**1510J**	ug/kg	1980	245	100	07/31/23 08:09	07/31/23 15:32	120-12-7	
Benzo(a)anthracene	**809J**	ug/kg	1980	256	100	07/31/23 08:09	07/31/23 15:32	56-55-3	
Benzo(a)pyrene	**630J**	ug/kg	1980	225	100	07/31/23 08:09	07/31/23 15:32	50-32-8	
Benzo(b)fluoranthene	**668J**	ug/kg	1980	275	100	07/31/23 08:09	07/31/23 15:32	205-99-2	
Benzo(g,h,i)perylene	**<347**	ug/kg	1980	347	100	07/31/23 08:09	07/31/23 15:32	191-24-2	
Benzo(k)fluoranthene	**316J**	ug/kg	1980	253	100	07/31/23 08:09	07/31/23 15:32	207-08-9	
Chrysene	**981J**	ug/kg	1980	373	100	07/31/23 08:09	07/31/23 15:32	218-01-9	
Dibenz(a,h)anthracene	**<274**	ug/kg	1980	274	100	07/31/23 08:09	07/31/23 15:32	53-70-3	
Fluoranthene	**1730J**	ug/kg	1980	234	100	07/31/23 08:09	07/31/23 15:32	206-44-0	
Fluorene	**1350J**	ug/kg	1980	237	100	07/31/23 08:09	07/31/23 15:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**<412**	ug/kg	1980	412	100	07/31/23 08:09	07/31/23 15:32	193-39-5	
1-Methylnaphthalene	**6560**	ug/kg	1980	289	100	07/31/23 08:09	07/31/23 15:32	90-12-0	
2-Methylnaphthalene	**6810**	ug/kg	1980	289	100	07/31/23 08:09	07/31/23 15:32	91-57-6	
Naphthalene	**36500**	ug/kg	1980	193	100	07/31/23 08:09	07/31/23 15:32	91-20-3	
Phenanthrene	**3850**	ug/kg	1980	226	100	07/31/23 08:09	07/31/23 15:32	85-01-8	
Pyrene	**1970J**	ug/kg	1980	291	100	07/31/23 08:09	07/31/23 15:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	75	%	41-98		100	07/31/23 08:09	07/31/23 15:32	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		100	07/31/23 08:09	07/31/23 15:32	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**3050**	ug/kg	342	203	12.5	07/31/23 07:15	08/01/23 05:34	71-43-2	
Ethylbenzene	**5950**	ug/kg	854	203	12.5	07/31/23 07:15	08/01/23 05:34	100-41-4	
Toluene	**2700**	ug/kg	854	215	12.5	07/31/23 07:15	08/01/23 05:34	108-88-3	
1,2,4-Trimethylbenzene	**3390**	ug/kg	854	254	12.5	07/31/23 07:15	08/01/23 05:34	95-63-6	
Xylene (Total)	**6230**	ug/kg	2560	617	12.5	07/31/23 07:15	08/01/23 05:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	124	%	68-156		12.5	07/31/23 07:15	08/01/23 05:34	460-00-4	D3,S4

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723062 **Lab ID: 40265795003** Collected: 07/27/23 08:22 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	115	%	69-153		12.5	07/31/23 07:15	08/01/23 05:34	2037-26-5	S4
1,2-Dichlorobenzene-d4 (S)	130	%	71-161		12.5	07/31/23 07:15	08/01/23 05:34	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.5**	%	0.10	0.10	1		07/31/23 12:41		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.34**	mg/kg	1.0	0.34	1	08/01/23 11:15	08/01/23 13:27	57-12-5	

Sample: 072723063 **Lab ID: 40265795004** Collected: 07/27/23 08:45 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.0**	mg/kg	0.91	0.27	6.667	07/31/23 06:22	08/02/23 16:23	7440-38-2	
Barium	**3.4**	mg/kg	0.90	0.27	6.667	07/31/23 06:22	08/02/23 16:23	7440-39-3	
Cadmium	**<0.10**	mg/kg	0.69	0.10	6.667	07/31/23 06:22	08/02/23 16:23	7440-43-9	D3
Chromium	**2.8**	mg/kg	2.1	0.63	6.667	07/31/23 06:22	08/02/23 16:23	7440-47-3	
Lead	**4.6**	mg/kg	0.69	0.19	6.667	07/31/23 06:22	08/02/23 16:23	7439-92-1	
Selenium	**<0.19**	mg/kg	0.69	0.19	6.667	07/31/23 06:22	08/02/23 16:23	7782-49-2	D3
Silver	**<0.099**	mg/kg	0.35	0.099	6.667	07/31/23 06:22	08/02/23 16:23	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.010**	mg/kg	0.036	0.010	1	08/01/23 10:08	08/02/23 08:58	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.4	2.3	1	07/31/23 08:09	07/31/23 15:49	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.4	2.2	1	07/31/23 08:09	07/31/23 15:49	208-96-8	
Anthracene	**<2.2**	ug/kg	17.4	2.2	1	07/31/23 08:09	07/31/23 15:49	120-12-7	
Benzo(a)anthracene	**2.5J**	ug/kg	17.4	2.2	1	07/31/23 08:09	07/31/23 15:49	56-55-3	
Benzo(a)pyrene	**2.1J**	ug/kg	17.4	2.0	1	07/31/23 08:09	07/31/23 15:49	50-32-8	
Benzo(b)fluoranthene	**2.7J**	ug/kg	17.4	2.4	1	07/31/23 08:09	07/31/23 15:49	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.4	3.0	1	07/31/23 08:09	07/31/23 15:49	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.4	2.2	1	07/31/23 08:09	07/31/23 15:49	207-08-9	
Chrysene	**<3.3**	ug/kg	17.4	3.3	1	07/31/23 08:09	07/31/23 15:49	218-01-9	

REPORT OF LABORATORY ANALYSIS

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

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723063 **Lab ID: 40265795004** Collected: 07/27/23 08:45 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.4	2.4	1	07/31/23 08:09	07/31/23 15:49	53-70-3	
Fluoranthene	**3.2J**	ug/kg	17.4	2.1	1	07/31/23 08:09	07/31/23 15:49	206-44-0	
Fluorene	**<2.1**	ug/kg	17.4	2.1	1	07/31/23 08:09	07/31/23 15:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.4	3.6	1	07/31/23 08:09	07/31/23 15:49	193-39-5	
1-Methylnaphthalene	**4.3J**	ug/kg	17.4	2.5	1	07/31/23 08:09	07/31/23 15:49	90-12-0	
2-Methylnaphthalene	**5.2J**	ug/kg	17.4	2.5	1	07/31/23 08:09	07/31/23 15:49	91-57-6	
Naphthalene	**19.1**	ug/kg	17.4	1.7	1	07/31/23 08:09	07/31/23 15:49	91-20-3	
Phenanthrene	**5.0J**	ug/kg	17.4	2.0	1	07/31/23 08:09	07/31/23 15:49	85-01-8	
Pyrene	**3.1J**	ug/kg	17.4	2.6	1	07/31/23 08:09	07/31/23 15:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	86	%	41-98		1	07/31/23 08:09	07/31/23 15:49	321-60-8	
Terphenyl-d14 (S)	78	%	37-106		1	07/31/23 08:09	07/31/23 15:49	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.9**	ug/kg	21.6	12.9	1	07/31/23 07:15	08/01/23 03:13	71-43-2	
Ethylbenzene	**<12.9**	ug/kg	54.0	12.9	1	07/31/23 07:15	08/01/23 03:13	100-41-4	
Toluene	**<13.6**	ug/kg	54.0	13.6	1	07/31/23 07:15	08/01/23 03:13	108-88-3	
1,2,4-Trimethylbenzene	**<16.1**	ug/kg	54.0	16.1	1	07/31/23 07:15	08/01/23 03:13	95-63-6	
Xylene (Total)	**<39.0**	ug/kg	162	39.0	1	07/31/23 07:15	08/01/23 03:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	68-156		1	07/31/23 07:15	08/01/23 03:13	460-00-4	
Toluene-d8 (S)	103	%	69-153		1	07/31/23 07:15	08/01/23 03:13	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	71-161		1	07/31/23 07:15	08/01/23 03:13	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**3.9**	%	0.10	0.10	1		07/31/23 12:42		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.23**	mg/kg	0.69	0.23	1	08/01/23 11:15	08/01/23 13:28	57-12-5	

Sample: 072723064 **Lab ID: 40265795005** Collected: 07/27/23 08:50 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.2**	mg/kg	0.93	0.28	6.667	07/31/23 06:22	08/02/23 16:31	7440-38-2	
Barium	**25.8**	mg/kg	0.92	0.28	6.667	07/31/23 06:22	08/02/23 16:31	7440-39-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723064 **Lab ID: 40265795005** Collected: 07/27/23 08:50 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Cadmium	**<0.10**	mg/kg	0.70	0.10	6.667	07/31/23 06:22	08/02/23 16:31	7440-43-9	D3
Chromium	**7.1**	mg/kg	2.1	0.64	6.667	07/31/23 06:22	08/02/23 16:31	7440-47-3	
Lead	**40.0**	mg/kg	0.70	0.19	6.667	07/31/23 06:22	08/02/23 16:31	7439-92-1	
Selenium	**0.40J**	mg/kg	0.70	0.19	6.667	07/31/23 06:22	08/02/23 16:31	7782-49-2	D3
Silver	**<0.10**	mg/kg	0.35	0.10	6.667	07/31/23 06:22	08/02/23 16:31	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.072**	mg/kg	0.035	0.010	1	08/01/23 10:08	08/02/23 09:01	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**132J**	ug/kg	182	23.5	10	07/31/23 08:09	07/31/23 16:58	83-32-9	
Acenaphthylene	**112J**	ug/kg	182	22.9	10	07/31/23 08:09	07/31/23 16:58	208-96-8	
Anthracene	**453**	ug/kg	182	22.5	10	07/31/23 08:09	07/31/23 16:58	120-12-7	
Benzo(a)anthracene	**961**	ug/kg	182	23.5	10	07/31/23 08:09	07/31/23 16:58	56-55-3	
Benzo(a)pyrene	**898**	ug/kg	182	20.6	10	07/31/23 08:09	07/31/23 16:58	50-32-8	
Benzo(b)fluoranthene	**647**	ug/kg	182	25.2	10	07/31/23 08:09	07/31/23 16:58	205-99-2	
Benzo(g,h,i)perylene	**420**	ug/kg	182	31.9	10	07/31/23 08:09	07/31/23 16:58	191-24-2	
Benzo(k)fluoranthene	**258**	ug/kg	182	23.2	10	07/31/23 08:09	07/31/23 16:58	207-08-9	
Chrysene	**1700**	ug/kg	182	34.2	10	07/31/23 08:09	07/31/23 16:58	218-01-9	
Dibenz(a,h)anthracene	**188**	ug/kg	182	25.1	10	07/31/23 08:09	07/31/23 16:58	53-70-3	
Fluoranthene	**909**	ug/kg	182	21.5	10	07/31/23 08:09	07/31/23 16:58	206-44-0	
Fluorene	**36.7J**	ug/kg	182	21.8	10	07/31/23 08:09	07/31/23 16:58	86-73-7	
Indeno(1,2,3-cd)pyrene	**218**	ug/kg	182	37.8	10	07/31/23 08:09	07/31/23 16:58	193-39-5	
1-Methylnaphthalene	**71.9J**	ug/kg	182	26.5	10	07/31/23 08:09	07/31/23 16:58	90-12-0	
2-Methylnaphthalene	**75.8J**	ug/kg	182	26.5	10	07/31/23 08:09	07/31/23 16:58	91-57-6	
Naphthalene	**164J**	ug/kg	182	17.7	10	07/31/23 08:09	07/31/23 16:58	91-20-3	
Phenanthrene	**208**	ug/kg	182	20.8	10	07/31/23 08:09	07/31/23 16:58	85-01-8	
Pyrene	**2050**	ug/kg	182	26.7	10	07/31/23 08:09	07/31/23 16:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	41-98		10	07/31/23 08:09	07/31/23 16:58	321-60-8	
Terphenyl-d14 (S)	68	%	37-106		10	07/31/23 08:09	07/31/23 16:58	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.0**	ug/kg	23.5	14.0	1	07/31/23 07:15	08/01/23 01:32	71-43-2	
Ethylbenzene	**<14.0**	ug/kg	58.6	14.0	1	07/31/23 07:15	08/01/23 01:32	100-41-4	
Toluene	**<14.8**	ug/kg	58.6	14.8	1	07/31/23 07:15	08/01/23 01:32	108-88-3	
1,2,4-Trimethylbenzene	**<17.5**	ug/kg	58.6	17.5	1	07/31/23 07:15	08/01/23 01:32	95-63-6	
Xylene (Total)	**<42.3**	ug/kg	176	42.3	1	07/31/23 07:15	08/01/23 01:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	115	%	68-156		1	07/31/23 07:15	08/01/23 01:32	460-00-4	
Toluene-d8 (S)	118	%	69-153		1	07/31/23 07:15	08/01/23 01:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723064 **Lab ID: 40265795005** Collected: 07/27/23 08:50 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Surrogates									
1,2-Dichlorobenzene-d4 (S)	119	%	71-161		1	07/31/23 07:15	08/01/23 01:32	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**8.0**	%	0.10	0.10	1		07/31/23 12:42		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.27**	mg/kg	0.80	0.27	1	08/01/23 11:15	08/01/23 13:29	57-12-5	

Sample: 072723065 **Lab ID: 40265795006** Collected: 07/27/23 08:55 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.3**	mg/kg	1.0	0.30	6.667	07/31/23 06:22	08/01/23 01:43	7440-38-2	
Barium	**81.0**	mg/kg	1.0	0.30	6.667	07/31/23 06:22	08/01/23 01:43	7440-39-3	
Cadmium	**0.11J**	mg/kg	0.76	0.11	6.667	07/31/23 06:22	08/01/23 01:43	7440-43-9	D3
Chromium	**33.9**	mg/kg	2.3	0.70	6.667	07/31/23 06:22	08/01/23 01:43	7440-47-3	
Lead	**7.9**	mg/kg	0.76	0.21	6.667	07/31/23 06:22	08/01/23 01:43	7439-92-1	
Selenium	**1.4**	mg/kg	0.76	0.21	6.667	07/31/23 06:22	08/01/23 01:43	7782-49-2	
Silver	**<0.11**	mg/kg	0.38	0.11	6.667	07/31/23 06:22	08/01/23 01:43	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.037	0.011	1	08/01/23 10:08	08/02/23 09:03	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.5**	ug/kg	19.3	2.5	1	07/31/23 08:09	07/31/23 16:06	83-32-9	
Acenaphthylene	**<2.4**	ug/kg	19.3	2.4	1	07/31/23 08:09	07/31/23 16:06	208-96-8	
Anthracene	**<2.4**	ug/kg	19.3	2.4	1	07/31/23 08:09	07/31/23 16:06	120-12-7	
Benzo(a)anthracene	**2.8J**	ug/kg	19.3	2.5	1	07/31/23 08:09	07/31/23 16:06	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.3	2.2	1	07/31/23 08:09	07/31/23 16:06	50-32-8	
Benzo(b)fluoranthene	**<2.7**	ug/kg	19.3	2.7	1	07/31/23 08:09	07/31/23 16:06	205-99-2	
Benzo(g,h,i)perylene	**4.1J**	ug/kg	19.3	3.4	1	07/31/23 08:09	07/31/23 16:06	191-24-2	
Benzo(k)fluoranthene	**<2.5**	ug/kg	19.3	2.5	1	07/31/23 08:09	07/31/23 16:06	207-08-9	
Chrysene	**<3.6**	ug/kg	19.3	3.6	1	07/31/23 08:09	07/31/23 16:06	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.3	2.7	1	07/31/23 08:09	07/31/23 16:06	53-70-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723065 **Lab ID: 40265795006** Collected: 07/27/23 08:55 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Fluoranthene	**3.4J**	ug/kg	19.3	2.3	1	07/31/23 08:09	07/31/23 16:06	206-44-0	
Fluorene	**<2.3**	ug/kg	19.3	2.3	1	07/31/23 08:09	07/31/23 16:06	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.0**	ug/kg	19.3	4.0	1	07/31/23 08:09	07/31/23 16:06	193-39-5	
1-Methylnaphthalene	**4.4J**	ug/kg	19.3	2.8	1	07/31/23 08:09	07/31/23 16:06	90-12-0	
2-Methylnaphthalene	**<2.8**	ug/kg	19.3	2.8	1	07/31/23 08:09	07/31/23 16:06	91-57-6	
Naphthalene	**13.9J**	ug/kg	19.3	1.9	1	07/31/23 08:09	07/31/23 16:06	91-20-3	
Phenanthrene	**4.6J**	ug/kg	19.3	2.2	1	07/31/23 08:09	07/31/23 16:06	85-01-8	
Pyrene	**3.5J**	ug/kg	19.3	2.8	1	07/31/23 08:09	07/31/23 16:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	41-98		1	07/31/23 08:09	07/31/23 16:06	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		1	07/31/23 08:09	07/31/23 16:06	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.7**	ug/kg	26.3	15.7	1	07/31/23 07:15	08/01/23 01:53	71-43-2	
Ethylbenzene	**<15.7**	ug/kg	65.8	15.7	1	07/31/23 07:15	08/01/23 01:53	100-41-4	
Toluene	**<16.6**	ug/kg	65.8	16.6	1	07/31/23 07:15	08/01/23 01:53	108-88-3	
1,2,4-Trimethylbenzene	**<19.6**	ug/kg	65.8	19.6	1	07/31/23 07:15	08/01/23 01:53	95-63-6	
Xylene (Total)	**<47.5**	ug/kg	197	47.5	1	07/31/23 07:15	08/01/23 01:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	119	%	68-156		1	07/31/23 07:15	08/01/23 01:53	460-00-4	
Toluene-d8 (S)	121	%	69-153		1	07/31/23 07:15	08/01/23 01:53	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	120	%	71-161		1	07/31/23 07:15	08/01/23 01:53	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.7**	%	0.10	0.10	1		07/31/23 12:42		
9012 Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B Pace Analytical Services - Green Bay								
Cyanide	**<0.27**	mg/kg	0.81	0.27	1	08/01/23 11:15	08/01/23 13:29	57-12-5	

Sample: 072723066 **Lab ID: 40265795007** Collected: 07/27/23 00:00 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<11.9**	ug/kg	20.0	11.9	1	08/01/23 07:10	08/01/23 13:08	71-43-2	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	08/01/23 07:10	08/01/23 13:08	100-41-4	
Toluene	**<12.6**	ug/kg	50.0	12.6	1	08/01/23 07:10	08/01/23 13:08	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Sample: 072723066 **Lab ID: 40265795007** Collected: 07/27/23 00:00 Received: 07/27/23 10:46 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	08/01/23 07:10	08/01/23 13:08	95-63-6	
Xylene (Total)	**<36.1**	ug/kg	150	36.1	1	08/01/23 07:10	08/01/23 13:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	68-156		1	08/01/23 07:10	08/01/23 13:08	460-00-4	
Toluene-d8 (S)	97	%	69-153		1	08/01/23 07:10	08/01/23 13:08	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	71-161		1	08/01/23 07:10	08/01/23 13:08	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

QC Batch: 451027
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

METHOD BLANK: 2591831 Matrix: Solid
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	08/02/23 08:42	

LABORATORY CONTROL SAMPLE: 2591832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.90	108	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2591833 2591834

Parameter	Units	40265795001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.010	0.87	0.86	0.96	0.94	109	108	85-115	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

QC Batch: 451001
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

METHOD BLANK: 2591789 Matrix: Solid
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.040	0.13	08/02/23 14:04	
Barium	mg/kg	<0.039	0.13	08/02/23 14:04	
Cadmium	mg/kg	<0.015	0.10	08/02/23 14:04	
Chromium	mg/kg	<0.091	0.30	08/02/23 14:04	
Lead	mg/kg	<0.027	0.10	08/02/23 14:04	
Selenium	mg/kg	<0.027	0.10	08/02/23 14:04	
Silver	mg/kg	<0.014	0.050	08/02/23 14:04	

LABORATORY CONTROL SAMPLE: 2591790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	24.2	97	80-120	
Barium	mg/kg	25	24.3	97	80-120	
Cadmium	mg/kg	25	24.6	98	80-120	
Chromium	mg/kg	25	23.9	95	80-120	
Lead	mg/kg	25	27.4	110	80-120	
Selenium	mg/kg	25	25.2	101	80-120	
Silver	mg/kg	12.5	12.0	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2591791 2591792

Parameter	Units	40265795001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.8	26.2	26.2	26.7	30.1	91	104	75-125	12	20	
Barium	mg/kg	6.9	26.2	26.2	43.2	43.4	139	139	75-125	0	20	M0
Cadmium	mg/kg	<0.10	26.2	26.2	24.1	25.0	92	95	75-125	4	20	
Chromium	mg/kg	19.3	26.2	26.2	47.5	45.8	108	101	75-125	4	20	
Lead	mg/kg	13.8	26.2	26.2	38.3	38.1	94	93	75-125	1	20	
Selenium	mg/kg	0.47J	26.2	26.2	25.6	26.9	96	101	75-125	5	20	
Silver	mg/kg	<0.10	13.1	13.1	11.1	11.4	85	87	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

QC Batch: 451058
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

METHOD BLANK: 2591909 Matrix: Solid
Associated Lab Samples: 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	07/31/23 19:29	
Benzene	ug/kg	<11.9	20.0	07/31/23 19:29	
Ethylbenzene	ug/kg	<11.9	50.0	07/31/23 19:29	
Toluene	ug/kg	<12.6	50.0	07/31/23 19:29	
Xylene (Total)	ug/kg	<36.1	150	07/31/23 19:29	
1,2-Dichlorobenzene-d4 (S)	%	106	71-161	07/31/23 19:29	
4-Bromofluorobenzene (S)	%	106	68-156	07/31/23 19:29	
Toluene-d8 (S)	%	106	69-153	07/31/23 19:29	

LABORATORY CONTROL SAMPLE: 2591910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2610	104	70-130	
Ethylbenzene	ug/kg	2500	2520	101	80-120	
Toluene	ug/kg	2500	2520	101	80-120	
Xylene (Total)	ug/kg	7500	7670	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			111	71-161	
4-Bromofluorobenzene (S)	%			117	68-156	
Toluene-d8 (S)	%			112	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2591911 2591912

Parameter	Units	40265723001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	21.4J	1190	1190	1310	1420	109	118	70-130	8	20	
Ethylbenzene	ug/kg	<16.4	1190	1190	1340	1390	112	116	80-120	3	20	
Toluene	ug/kg	<17.4	1190	1190	1310	1420	110	119	79-120	8	20	
Xylene (Total)	ug/kg	<49.8	3570	3570	4220	4080	118	114	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%						110	106	71-161			
4-Bromofluorobenzene (S)	%						111	113	68-156			
Toluene-d8 (S)	%						109	110	69-153			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

QC Batch: 451179
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265795001, 40265795007

METHOD BLANK: 2592343 Matrix: Solid
Associated Lab Samples: 40265795001, 40265795007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/01/23 10:04	
Benzene	ug/kg	<11.9	20.0	08/01/23 10:04	
Ethylbenzene	ug/kg	<11.9	50.0	08/01/23 10:04	
Toluene	ug/kg	<12.6	50.0	08/01/23 10:04	
Xylene (Total)	ug/kg	<36.1	150	08/01/23 10:04	
1,2-Dichlorobenzene-d4 (S)	%	105	71-161	08/01/23 10:04	
4-Bromofluorobenzene (S)	%	108	68-156	08/01/23 10:04	
Toluene-d8 (S)	%	102	69-153	08/01/23 10:04	

LABORATORY CONTROL SAMPLE: 2592344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2460	98	70-130	
Ethylbenzene	ug/kg	2500	2480	99	80-120	
Toluene	ug/kg	2500	2360	94	80-120	
Xylene (Total)	ug/kg	7500	7660	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	71-161	
4-Bromofluorobenzene (S)	%			106	68-156	
Toluene-d8 (S)	%			96	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592345 2592346

Parameter	Units	40265789006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<16.2	1360	1360	1320	1340	98	99	70-130	1	20	
Ethylbenzene	ug/kg	<16.2	1360	1360	1260	1400	92	103	80-120	11	20	
Toluene	ug/kg	<17.1	1360	1360	1300	1260	96	93	79-120	3	20	
Xylene (Total)	ug/kg	<49.0	4070	4070	3930	4430	97	109	70-130	12	20	
1,2-Dichlorobenzene-d4 (S)	%						144	137	71-161			
4-Bromofluorobenzene (S)	%						150	151	68-156			
Toluene-d8 (S)	%						137	129	69-153			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

QC Batch: 451003
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

METHOD BLANK: 2591793 Matrix: Solid
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	07/31/23 10:56	
2-Methylnaphthalene	ug/kg	<2.4	16.7	07/31/23 10:56	
Acenaphthene	ug/kg	<2.2	16.7	07/31/23 10:56	
Acenaphthylene	ug/kg	<2.1	16.7	07/31/23 10:56	
Anthracene	ug/kg	<2.1	16.7	07/31/23 10:56	
Benzo(a)anthracene	ug/kg	<2.2	16.7	07/31/23 10:56	
Benzo(a)pyrene	ug/kg	<1.9	16.7	07/31/23 10:56	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	07/31/23 10:56	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	07/31/23 10:56	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	07/31/23 10:56	
Chrysene	ug/kg	<3.1	16.7	07/31/23 10:56	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	07/31/23 10:56	
Fluoranthene	ug/kg	<2.0	16.7	07/31/23 10:56	
Fluorene	ug/kg	<2.0	16.7	07/31/23 10:56	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	07/31/23 10:56	
Naphthalene	ug/kg	<1.6	16.7	07/31/23 10:56	
Phenanthrene	ug/kg	<1.9	16.7	07/31/23 10:56	
Pyrene	ug/kg	<2.5	16.7	07/31/23 10:56	
2-Fluorobiphenyl (S)	%	85	41-98	07/31/23 10:56	
Terphenyl-d14 (S)	%	96	37-106	07/31/23 10:56	

LABORATORY CONTROL SAMPLE: 2591794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	272	82	64-110	
2-Methylnaphthalene	ug/kg	334	259	78	60-110	
Acenaphthene	ug/kg	334	269	81	69-120	
Acenaphthylene	ug/kg	334	274	82	63-120	
Anthracene	ug/kg	334	292	88	71-112	
Benzo(a)anthracene	ug/kg	334	250	75	62-120	
Benzo(a)pyrene	ug/kg	334	272	82	71-111	
Benzo(b)fluoranthene	ug/kg	334	279	84	59-112	
Benzo(g,h,i)perylene	ug/kg	334	310	93	64-115	
Benzo(k)fluoranthene	ug/kg	334	287	86	72-117	
Chrysene	ug/kg	334	300	90	75-120	
Dibenz(a,h)anthracene	ug/kg	334	304	91	67-114	
Fluoranthene	ug/kg	334	278	83	70-110	
Fluorene	ug/kg	334	278	83	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	334	304	91	71-114	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

LABORATORY CONTROL SAMPLE: 2591794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	334	250	75	62-120	
Phenanthrene	ug/kg	334	281	84	59-106	
Pyrene	ug/kg	334	292	87	69-120	
2-Fluorobiphenyl (S)	%			86	41-98	
Terphenyl-d14 (S)	%			88	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2591795 2591796

Parameter	Units	40265705012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	7.2J	415	414	302	281	71	66	51-110	7	34	
2-Methylnaphthalene	ug/kg	11.3J	415	414	305	279	71	65	45-110	9	29	
Acenaphthene	ug/kg	<2.7	415	414	327	294	79	71	52-120	11	26	
Acenaphthylene	ug/kg	<2.6	415	414	324	297	78	72	46-120	9	22	
Anthracene	ug/kg	<2.6	415	414	267	252	64	61	50-112	6	25	
Benzo(a)anthracene	ug/kg	<2.7	415	414	281	260	68	63	41-120	8	37	
Benzo(a)pyrene	ug/kg	<2.4	415	414	358	287	86	69	44-114	22	33	
Benzo(b)fluoranthene	ug/kg	<2.9	415	414	303	282	73	68	41-112	7	43	
Benzo(g,h,i)perylene	ug/kg	<3.6	415	414	324	314	78	76	40-115	3	36	
Benzo(k)fluoranthene	ug/kg	<2.7	415	414	335	328	81	79	56-117	2	30	
Chrysene	ug/kg	<3.9	415	414	343	332	82	80	45-120	3	28	
Dibenz(a,h)anthracene	ug/kg	<2.9	415	414	326	308	79	74	44-114	6	33	
Fluoranthene	ug/kg	<2.5	415	414	316	298	76	72	55-110	6	43	
Fluorene	ug/kg	<2.5	415	414	335	308	81	74	47-104	9	27	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.3	415	414	329	311	79	75	45-114	6	33	
Naphthalene	ug/kg	43.9	415	414	346	279	73	57	47-120	22	26	
Phenanthrene	ug/kg	3.3J	415	414	319	298	76	71	38-106	7	24	
Pyrene	ug/kg	<3.1	415	414	331	311	79	75	51-120	6	41	
2-Fluorobiphenyl (S)	%						80	71	41-98			
Terphenyl-d14 (S)	%						76	71	37-106			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

QC Batch: 451082
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

SAMPLE DUPLICATE: 2591974

Parameter	Units	40265822003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.9	15.9	6	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

QC Batch: 451139 | Analysis Method: EPA 9012B
QC Batch Method: EPA 9012B | Analysis Description: 9012 Cyanide
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

METHOD BLANK: 2592149 Matrix: Solid
Associated Lab Samples: 40265795001, 40265795002, 40265795003, 40265795004, 40265795005, 40265795006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.31	0.92	08/01/23 13:09	

LABORATORY CONTROL SAMPLE: 2592150

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3	3.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592151 2592152

Parameter	Units	40265723001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	0.58J	2.9	3	3.0	3.2	85	88	80-120	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2592153 2592154

Parameter	Units	40265795006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	<0.27	2.5	2.7	2.6	2.6	92	92	80-120	3	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

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.

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1950103365 FORMER GREEN BAYMGP
Pace Project No.: 40265795

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265795001	**072723060**	EPA 3050B	451001	EPA 6020B	451092
40265795002	**072723061**	EPA 3050B	451001	EPA 6020B	451092
40265795003	**072723062**	EPA 3050B	451001	EPA 6020B	451092
40265795004	**072723063**	EPA 3050B	451001	EPA 6020B	451092
40265795005	**072723064**	EPA 3050B	451001	EPA 6020B	451092
40265795006	**072723065**	EPA 3050B	451001	EPA 6020B	451092
40265795001	**072723060**	EPA 7471	451027	EPA 7471	451191
40265795002	**072723061**	EPA 7471	451027	EPA 7471	451191
40265795003	**072723062**	EPA 7471	451027	EPA 7471	451191
40265795004	**072723063**	EPA 7471	451027	EPA 7471	451191
40265795005	**072723064**	EPA 7471	451027	EPA 7471	451191
40265795006	**072723065**	EPA 7471	451027	EPA 7471	451191
40265795001	**072723060**	EPA 3546	451003	EPA 8270E by SIM	451063
40265795002	**072723061**	EPA 3546	451003	EPA 8270E by SIM	451063
40265795003	**072723062**	EPA 3546	451003	EPA 8270E by SIM	451063
40265795004	**072723063**	EPA 3546	451003	EPA 8270E by SIM	451063
40265795005	**072723064**	EPA 3546	451003	EPA 8270E by SIM	451063
40265795006	**072723065**	EPA 3546	451003	EPA 8270E by SIM	451063
40265795001	**072723060**	EPA 5035/5030B	451179	EPA 8260	451183
40265795002	**072723061**	EPA 5035/5030B	451058	EPA 8260	451061
40265795003	**072723062**	EPA 5035/5030B	451058	EPA 8260	451061
40265795004	**072723063**	EPA 5035/5030B	451058	EPA 8260	451061
40265795005	**072723064**	EPA 5035/5030B	451058	EPA 8260	451061
40265795006	**072723065**	EPA 5035/5030B	451058	EPA 8260	451061
40265795007	**072723066**	EPA 5035/5030B	451179	EPA 8260	451183
40265795001	**072723060**	ASTM D2974-87	451082		
40265795002	**072723061**	ASTM D2974-87	451082		
40265795003	**072723062**	ASTM D2974-87	451082		
40265795004	**072723063**	ASTM D2974-87	451082		
40265795005	**072723064**	ASTM D2974-87	451082		
40265795006	**072723065**	ASTM D2974-87	451082		
40265795001	**072723060**	EPA 9012B	451139	EPA 9012B	451172
40265795002	**072723061**	EPA 9012B	451139	EPA 9012B	451172
40265795003	**072723062**	EPA 9012B	451139	EPA 9012B	451172
40265795004	**072723063**	EPA 9012B	451139	EPA 9012B	451172
40265795005	**072723064**	EPA 9012B	451139	EPA 9012B	451172
40265795006	**072723065**	EPA 9012B	451139	EPA 9012B	451172

Pace Analytical™
www.pacelabs.com

PACE PROPOFF

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

BA: WA 7/27/2023

40265795

COC# 1940103365.005

Page: 1 of 1

Section A Required Client Information.		Section B Required Project Information		Section C Invoice Information	
Company.	Ramboll / WPSC	Report To.	GDSData@ramboll.com	Attention.	Acts Payable/PM Frank Dombrowski
Address:	234 W. Florida St., 5th Floor	Copy To	Staci.Goetz@ramboll.com	Company Name	Wisconsin Public Service Corp.
	Milwaukee, WI 53204		ASmall@ramboll.com	Address	333 W Everett St Milwakee WI 53203
Email To.	Nate.Duda@ramboll.com	Purchase Order No.:		Pace Quote Reference	
Phone:	262-719-4512 Fax:	Project Name	Former Green Bay MGP	Pace Project Manager	Brian Basten
Requested Due Date/TAT:	Standard TAT	Project Number:	1950103365	Pace Profile #	4543 #19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: WI

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes (MATRIX / CODE): DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: PVOCs (8260)	PAH SIM (8270)	total metals (6020B)	total cyanide (9012B)	total mercury (7471)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	072723060		S	G	7/27/23	8 07	--	--		3	2						1			X	X	X	X	X		001
2	072723061		S	G	7/27/23	8 17	--	--		3	2						1			X	X	X	X	X		002
3	072723062		S	G	7/27/23	8 22	--	--		3	2						1			X	X	X	X	X		003
4	072723063		S	G	7/27/23	8 45	--	--		3	2						1			X	X	X	X	X		004
5	072723064		S	G	7/27/23	8 50	--	--		3	2						1			X	X	X	X	X		005
6	072723065		S	G	7/27/23	8.55	--	--		3	2						1			X	X	X	X	X		006
7	072723066		W	G	7/27/23	--	--	--		1							1			X						007
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] Ramboll	7-27-23	1046	[signature]	7/27/23	1046	1.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07/27/23

*Important Note By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Sample Preservation Receipt Form

Client Name: RamboLL Project # ✓ 40205795

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

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

	Glass						Plastic						Vials						Jars				General								
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																																		2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

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	VG9C	40 mL clear ascorbic w/ HCl	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
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40265795

40265795

Client Name: Kimball

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☒ Client ☐ Pace Other: R.A 7-27-23

Tracking #: 5092 4029 8815

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 - 121 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.5 /Corr: 1.0

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: 7-27-23 /Initials: R.A

Labeled By Initials: SG

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL	☒Yes ☐No ☐N/A	12.
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 1230		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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