From:	Dombrowski, Frank J <frank.dombrowski@wecenergygroup.com>
Sent:	Tuesday, December 12, 2023 1:17 PM
To:	Krueger, Sarah E - DNR; Werner, Leah
Cc:	'staci.goetz@ramboll.com'; Abigail Small (ASMALL@ramboll.com)
Subject:	Former Green Bay MGP- Third Party Notification Letters RI Soil Sampling Results
Attachments:	1584 WDNR notification ltr to Associated Bank.pdf; 1584 WDNR notification ltr to City of Green Bay.pdf; 1584 WDNR notification ltr to Harbinger Development, LLC.pdf

Sarah/Leah,

Attached are copies of 3rd Party Notification letters for soil sampling results provided to abutting property owners at the former WPS Green Bay MGP site. These letters have been provided via hard copy to the property owners and will be uploaded to the WDNR web portal. Please feel free to contact me with any questions.

Thanks,

Frank Dombrowski
Principal Environmental Consultant

WEC Energy Group – Business Services
Environmental Dept. - Land Quality Group
333 W. Everett St., A231
Milwaukee, WI 53203
Office: (414) 221-2156
Cell: (414) 587-4467
Fax: (414) 221-2022

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

December 11, 2023

Ms. Amy Hazuka
Associated Bank
433 Main Street, Mailstop 8227
Green Bay, WI, 54301-5114

RE: Recent Sampling Results
Wisconsin Public Service Corporation – Former Green Bay Manufactured Gas Plant (MGP)
700 North Adams Street, BRRTS# 0205000254

Dear Ms. Hazuka,

WEC Business Services (WBS), managing the Wisconsin Public Service Corporation (WPSC) former manufactured gas plant site at 700 North Adams Street is providing sample results of soil sampling collected as part of supplemental remedial investigation (RI) activities. Wisconsin Administrative Code Chapter NR716.14 requires responsible parties (WPSC for the above-mentioned site) to report sampling results to the property owner, and occupant, as applicable.

Results of the sampling are summarized in the attached documents. This include a summary table of the results compared to State standards. A copy of the relevant portions of the associated laboratory report and a figure showing the locations of the sample collected on your property are also included. The results will be presented in a future Remedial Investigation Report.

We appreciate your ongoing cooperation with groundwater sampling activities on your property. If you need additional information, please contact Sarah Krueger from the WDNR at 920-662-5443 or myself at 414-221-2156.

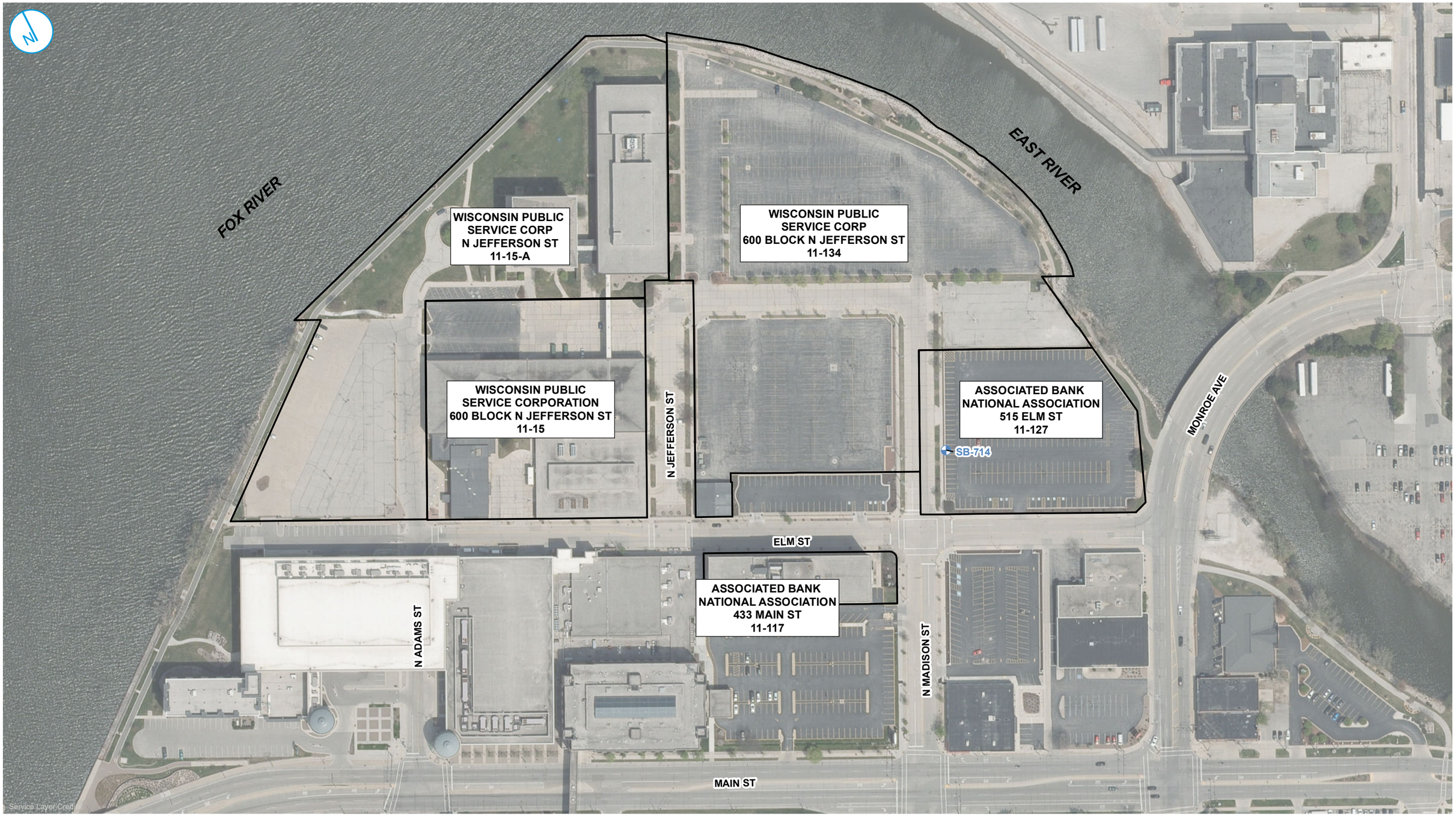
Sincerely,

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

Enc: Figure 1. Associated Bank
Table 1. September 2023 Soil Sample Results for Associated Bank
Laboratory Report – 40265723_frc

cc: Project File
USEPA RPM – Leah Werner (via email)
WDNR PM – Sarah Krueger (via US Mail and email)
Ms. Staci Goetz, Ramboll (via email)

FIGURE



SOIL BORING LOCATION

PROPERTY LINE

0 75 150 Feet

ASSOCIATED BANK
BRRTS# 02-05-000254

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

FIGURE 01

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

RAMBOLL

TABLE

Table 1. September 2023 Soil Sample Results for Associated Bank

Third Party Notification
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		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 Soil BTV Backgrounds:				NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Soil-to-Groundwater Pathway RCL (DF 2):				*NS*		*0.0051*		*1.57*		*1.1072*		*3.96*		*NS*		*NS*		*NS*		*NS*		*196.9492*		*NS*		*0.47*		*0.4781*		*NS*		*NS*		*0.1442*		*NS*	
WI Soil Industrial RCLs:				**219**		**7.07**		**35.4**		**818**		**260**		**72.7**		**3,010**		**45,200**		**NS**		**100,000**		**20.8**		**2.11**		**21.1**		**NS**		**211**		**2,110**		**2.11**	
WI Soil Non-Industrial RCLs:				219		1.6		8.02		818		260		17.6		239		3,590		NS		17,900		1.14		0.115		1.15		NS		11.5		115		0.115	
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

Notes:
Analyte concentration exceeds the standard for:

Blue Font	Soil BTV Backgrounds
Italic	*Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**Industrial Direct Contact RCL**
Underlined	Non-Industrial Direct Contact RCLs

Acronyms:
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = background threshold value
DF 2 = Dilution Factor of 2
Dup = Quality Control Field Duplicate Sample
GEO = Geotechnical Property
J = Estimated concentration
mg/kg = milligrams per kilogram
NS = No Standard
PAH = Polycyclic Aromatic Hydrocarbon
PVOC = Petroleum Volatile Organic Compound
RCL = NR720 Soil Residual Contaminant Level (WDNR)
U = Concentration was not detected above the reported limit
USEPA ID = United States Environmental Protection Agency site identification number

Screening Criteria:
Screening criteria from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018
Background Threshold Values (BTV) are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: http://pubs.usgs.gov/sir/2011/5202 .
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Lab comments, additional data qualifiers and definitions can be found in associated laboratory and validation reports.
Result values/flags may differ from lab report values/flags due to changes applied in third party validation report.

Table 1. September 2023 Soil Sample Results for Associated Bank

Third Party Notification
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 Soil BTV Backgrounds:	NS	NS	NS	NS	NS	NS	8	364	**1**	43.5	52	NS	NS	NS	NS
			Soil-to-Groundwater Pathway RCL (DF 2):	*88.8778*	*14.8299*	*NS*	*0.6582*	*NS*	*54.5455*	*0.584*	*164.8*	*0.752*	*360,000*	*27*	*0.208*	*0.52*	*0.8491*	*4.04*
			WI Soil Industrial RCLs:	**30,100**	**30,100**	**21.1**	**24.1**	**NS**	**22,600**	**3**	**100,000**	**985**	**NS**	**800**	**3.13**	**5,840**	**5,840**	**195**
			WI Soil Non-Industrial RCLs:	2,390	2,390	1.15	5.52	NS	1,790	0.677	15,300	71.1	NS	400	3.13	391	391	27.1
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

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

Notes:
Analyte concentration exceeds the standard for:

Blue Font	Soil BTV Backgrounds
Italic	*Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**Industrial Direct Contact RCL**
Underlined	Non-Industrial Direct Contact RCLs

Acronyms:
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = background threshold value
DF 2 = Dilution Factor of 2
Dup = Quality Control Field Duplicate Sample
GEO = Geotechnical Property
J = Estimated concentration
mg/kg = milligrams per kilogram
NS = No Standard
PAH = Polycyclic Aromatic Hydrocarbon
PVOC = Petroleum Volatile Organic Compound
RCL = NR720 Soil Residual Contaminant Level (WDNR)
U = Concentration was not detected above the reported limit
USEPA ID = United States Environmental Protection Agency site identification number

Screening Criteria:
Screening criteria from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018
Background Threshold Values (BTV) are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: http://pubs.usgs.gov/sir/2011/5202 .
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Lab comments, additional data qualifiers and definitions can be found in associated laboratory and validation reports.
Result values/flags may differ from lab report values/flags due to changes applied in third party validation report.

LABORATORY REPORT

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

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

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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
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
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 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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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 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

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 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

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 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

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 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
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 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)

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

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)

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 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

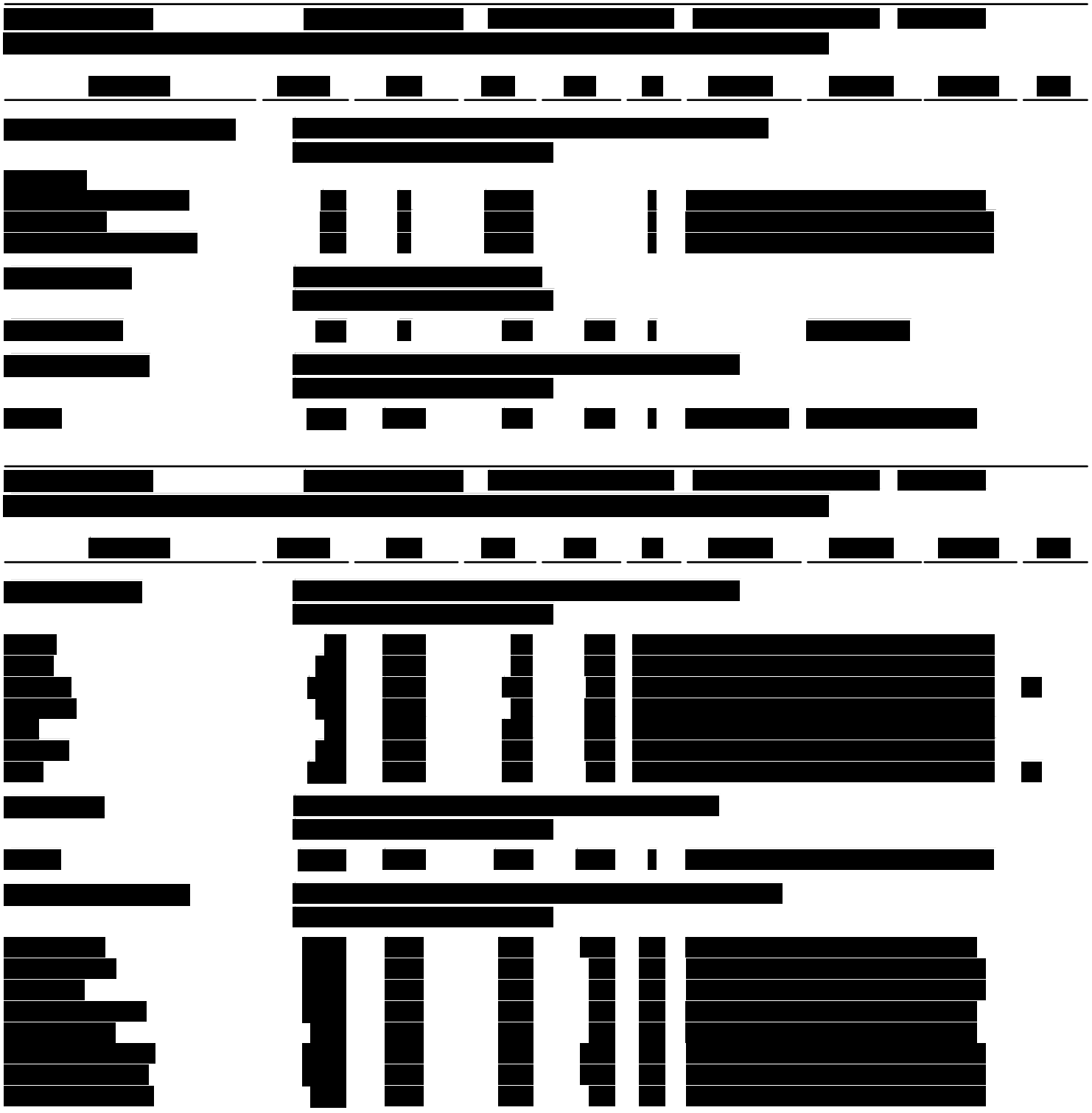
[redacted]

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



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

[redacted]

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

[redacted]

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

[redacted]

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

[redacted]

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

[redacted]

REPORT OF LABORATORY ANALYSIS

[redacted]

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

[redacted]

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

[redacted]

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

[redacted]

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

[redacted]

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

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

[redacted]

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

[redacted]

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

[redacted]

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

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: 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
(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
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
Green Bay, WI 54302
(920)469-2436

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
Green Bay, WI 54302
(920)469-2436

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
Green Bay, WI 54302
(920)469-2436

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	

[redacted]

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 BAY MG
Pace Project No.: 40265723

QC Batch: 451117
QC Batch Method: EPA 7471
Analysis 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	

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 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	

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 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			

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 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	

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 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			

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 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	

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 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			

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 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	

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 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	

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 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	

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

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

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

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.

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	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.
[redacted]																									
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			
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	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

Pace Analytical
www.pacelabs.com

DACE DRAFF

CHAIN-OF-CUSTODY / Analytical Request Document

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

QA: WA 7/26/23

402685723

COC#1440103365.004

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

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	Preservatives: 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		815
2	072623058	S	G	7/26/23	14:54	–	–		3	2						1			X	X	X	X	X		814
3																									
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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07/26/23

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 # ✓402665723

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

Initial when completed MNS Date/Time: 07/26/2023

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																		1		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
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI
BG3U	250 mL clear glass unpres				

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# : 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

Person examining contents:
Date: 07/26/2023 Initials: MW

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): 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

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

December 11, 2023

Mr. Steven M. Grenier, P.E.
City of Green Bay
100 North Jefferson Street
Green Bay, WI, 54301

RE: Recent Sampling Results
Wisconsin Public Service Corporation – Former Green Bay Manufactured Gas Plant (MGP)
700 North Adams Street, BRRTS# 0205000254

Dear Mr. Grenier,

WEC Business Services (WBS), managing the Wisconsin Public Service Corporation (WPSC) former manufactured gas plant site at 700 North Adams Street is providing sample results of soil sampling collected as part of supplemental remedial investigation (RI) activities. Wisconsin Administrative Code Chapter NR716.14 requires responsible parties (WPSC for the above-mentioned site) to report sampling results to the property owner, and occupant, as applicable.

Results of the sampling are summarized in the attached documents. This include a summary table of the results compared to State standards. A copy of the relevant portions of the associated laboratory report and a figure showing the locations of the sample collected on your property are also included. The results will be presented in a future Remedial Investigation Report.

We appreciate your ongoing cooperation with groundwater sampling activities on your property. If you need additional information, please contact Sarah Krueger from the WDNR at 920-662-5443 or myself at 414-221-2156.

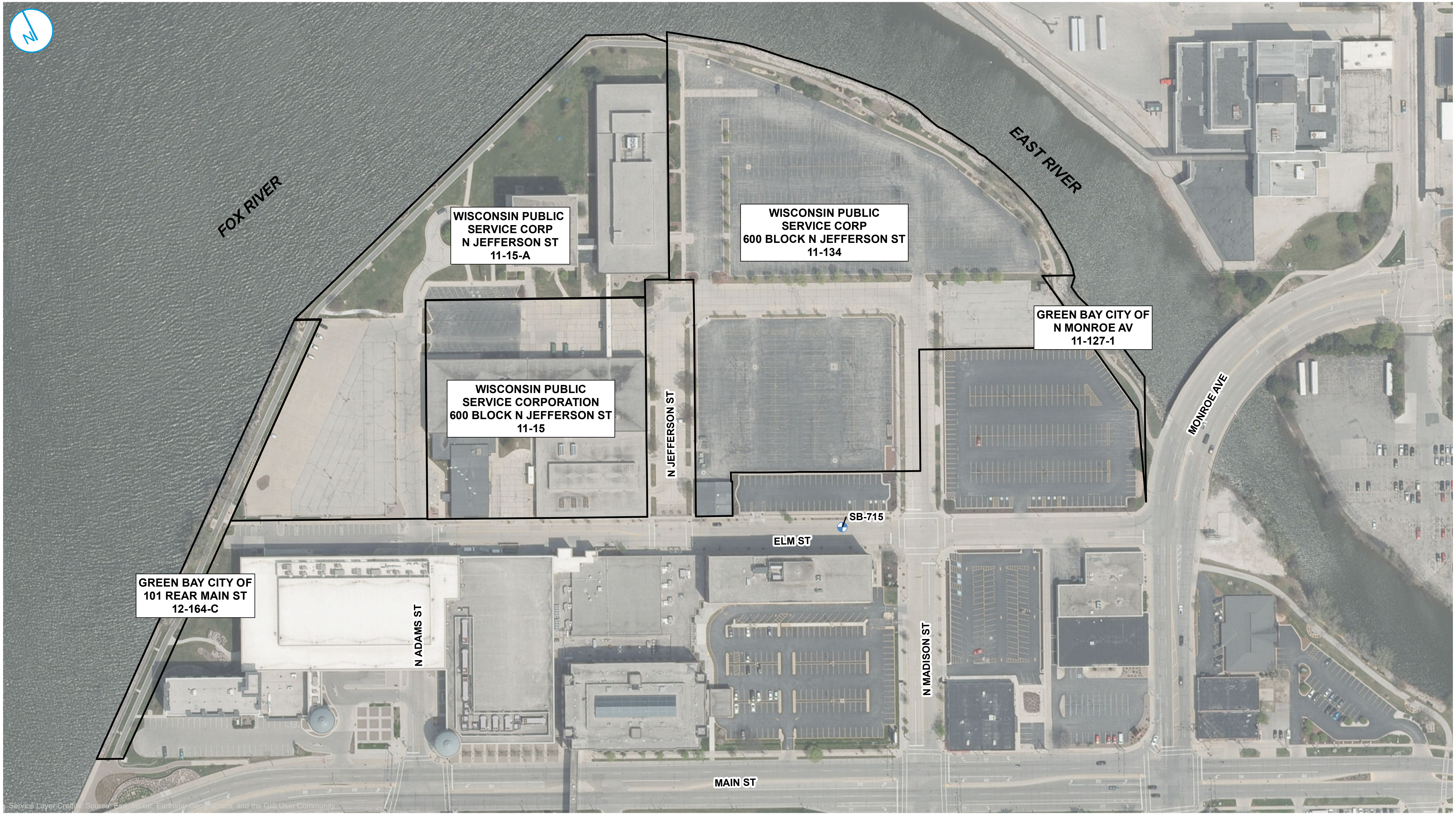
Sincerely,

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

Enc: Figure 1. City of Green Bay
Table 1. September 2023 Soil Sample Results for City of Green Bay
Laboratory Data Reports – 40265795_frc

cc: Project file
USEPA RPM – Leah Werner (via email)
WDNR PM – Sarah Krueger (via US Mail and email)
Ms. Staci Goetz, Ramboll (via email)
WPSC – Bob Laskowski (via email)

FIGURE



SOIL BORING LOCATION
PROPERTY LINE

0 75 150 Feet

PROJECT: 70712 | DATED: 9/28/2023 | DESIGNER: STOLZSD

Y:\GIS\Projects\1515\1584\MXD\WEC Adjacent Prop Data Maps\202005\Figure 1_Third_Party_2023_SBs.mxd

CITY OF GREEN BAY
BRRTS# 02-05-000254

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

FIGURE 01

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

TABLE

Table 1. September 2023 Soil Sample Results for the City of Green Bay

Third Party Notification
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 Soil BTV Backgrounds:				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Soil-to-Groundwater Pathway RCL (DF 2):				*NS*	*0.0051*	*1.57*	*1.1072*	*3.96*	*NS*	*NS*	*NS*	*NS*	*196.9492*	*NS*	*0.47*	*0.4781*	*NS*	*NS*	*0.1442*	*NS*
WI Soil Industrial RCLs:				**219**	**7.07**	**35.4**	**818**	**260**	**72.7**	**3,010**	**45,200**	**NS**	**100,000**	**20.8**	**2.11**	**21.1**	**NS**	**211**	**2,110**	**2.11**
WI Soil Non-Industrial RCLs:				219	1.6	8.02	818	260	17.6	239	3,590	NS	17,900	1.14	0.115	1.15	NS	11.5	115	0.115
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

Notes:
Analyte concentration exceeds the standard for:

Blue Font	Soil BTV Backgrounds
Italic	*Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**Industrial Direct Contact RCL**
Underlined	Non-Industrial Direct Contact RCLs

Acronyms:
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = background threshold value
DF 2 = Dilution Factor of 2
Dup = Quality Control Field Duplicate Sample
GEO = Geotechnical Property
J = Estimated concentration
mg/kg = milligrams per kilogram
NS = No Standard
PAH = Polycyclic Aromatic Hydrocarbon
PVOC = Petroleum Volatile Organic Compound
RCL = NR720 Soil Residual Contaminant Level (WDNR)
U = Concentration was not detected above the reported limit
USEPA ID = United States Environmental Protection Agency site identification number

Screening Criteria:
Screening criteria from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018
Background Threshold Values (BTV) are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: http://pubs.usgs.gov/sir/2011/5202 .
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Lab comments, additional data qualifiers and definitions can be found in associated laboratory and validation reports.
Result values/flags may differ from lab report values/flags due to changes applied in third party validation report.

Table 1. September 2023 Soil Sample Results for the City of Green Bay

2023 Third Party Notification
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	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 Soil BTV Backgrounds:	NS	NS	NS	NS	NS	NS	8	364	1	43.5	52	NS	NS	NS	NS
			Soil-to-Groundwater Pathway RCL (DF 2):	*88.8778*	*14.8299*	*NS*	*0.6582*	*NS*	*54.5455*	*0.584*	*164.8*	*0.752*	*360,000*	*27*	*0.208*	*0.52*	*0.8491*	*4.04*
			WI Soil Industrial RCLs:	**30,100**	**30,100**	**21.1**	**24.1**	**NS**	**22,600**	**3**	**100,000**	**985**	**NS**	**800**	**3.13**	**5,840**	**5,840**	**195**
			WI Soil Non-Industrial RCLs:	2,390	2,390	1.15	5.52	NS	1,790	0.677	15,300	71.1	NS	400	3.13	391	391	27.1
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

Notes:
Analyte concentration exceeds the standard for:

Blue Font	Soil BTV Backgrounds
Italic	*Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**Industrial Direct Contact RCL**
Underlined	Non-Industrial Direct Contact RCLs

Acronyms:
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = background threshold value
DF 2 = Dilution Factor of 2
Dup = Quality Control Field Duplicate Sample
GEO = Geotechnical Property
J = Estimated concentration
mg/kg = milligrams per kilogram
NS = No Standard
PAH = Polycyclic Aromatic Hydrocarbon
PVOC = Petroleum Volatile Organic Compound
RCL = NR720 Soil Residual Contaminant Level (WDNR)
U = Concentration was not detected above the reported limit
USEPA ID = United States Environmental Protection Agency site identification number

Screening Criteria:
Screening criteria from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018
Background Threshold Values (BTV) are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: http://pubs.usgs.gov/sir/2011/5202 .
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Lab comments, additional data qualifiers and definitions can be found in associated laboratory and validation reports.
Result values/flags may differ from lab report values/flags due to changes applied in third party validation report.

LABORATORY REPORT

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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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
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 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

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 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)

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 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.

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: 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

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: 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	

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: 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

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
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	

[redacted]

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

[redacted]
Pace Project No.: [redacted]

[redacted]

Analytical Method: EPA 6020B Preparation Method: EPA 3050B
Pace Analytical Services - Green Bay

[redacted]

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

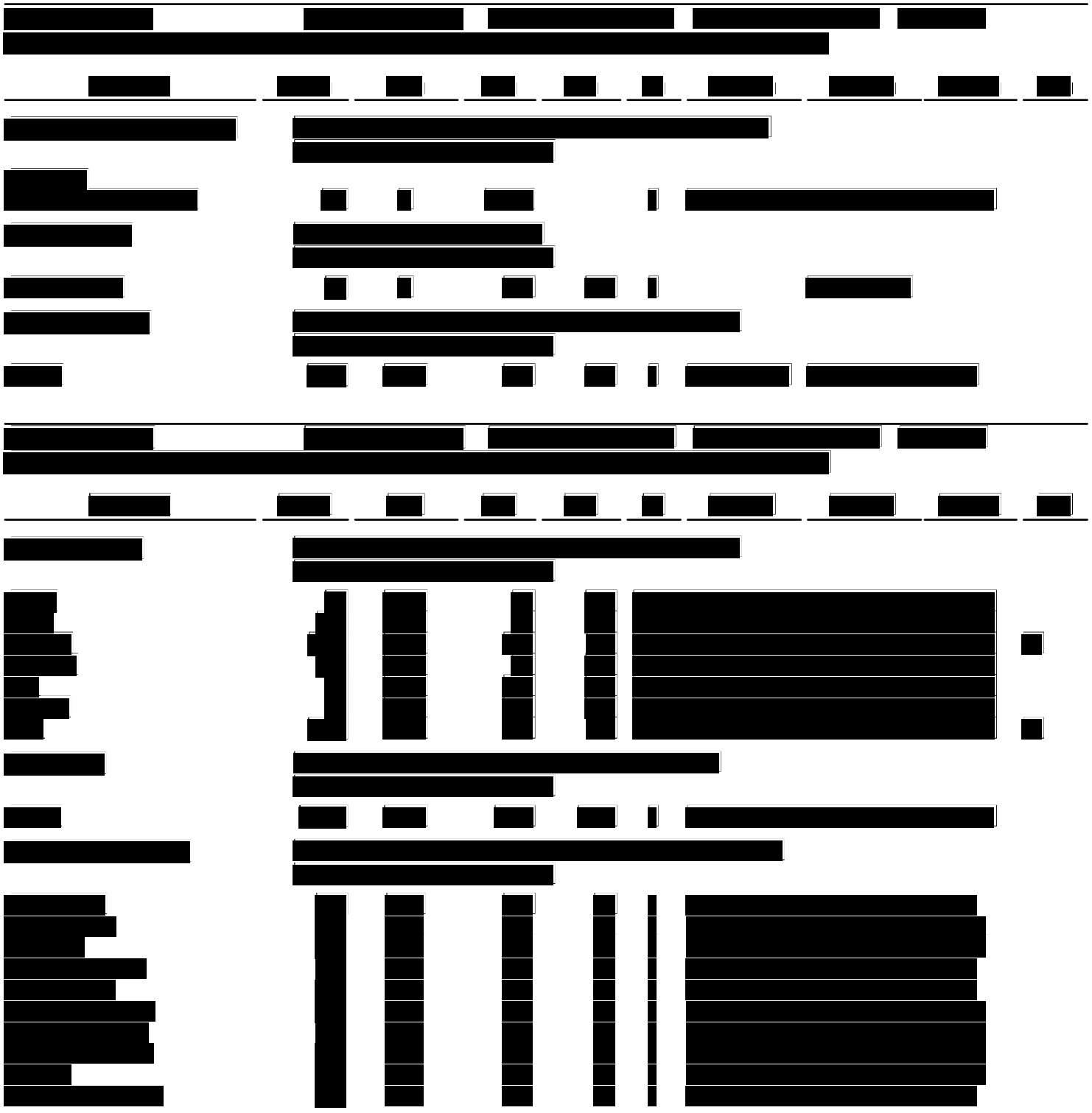
[redacted]

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



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

[redacted]

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

[redacted]

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.: 40265795

QC Batch: 451027 | Analysis Method: EPA 7471
QC Batch 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	

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.: 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	

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.: 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			

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.: 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			

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.: 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	

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.: 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			

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.: 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	

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.: 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.

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.: 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
40265795001	**072723060**	EPA 7471	451027	EPA 7471	451191
40265795002	**072723061**	EPA 7471	451027	EPA 7471	451191
40265795003	**072723062**	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
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
40265795001	**072723060**	ASTM D2974-87	451082		
40265795002	**072723061**	ASTM D2974-87	451082		
40265795003	**072723062**	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

REPORT OF LABORATORY ANALYSIS

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

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

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	Preservatives: 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	072723060	S	G	7/27/23	807	–	–		3	2						1			X	X	X	X	X		001
2	072723061	S	G	7/27/23	817	–	–		3	2						1			X	X	X	X	X		002
3	072723062	S	G	7/27/23	822	–	–		3	2						1			X	X	X	X	X		003
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

[redacted]

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]	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: Kamball

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

Page 2 of 2

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

December 11, 2023

Mr. Jeffery Weyers
Harbinger Development, LLC
111 North Washington Street, #400
Green Bay, WI, 54301

RE: Recent Sampling Results
Wisconsin Public Service Corporation – Former Green Bay Manufactured Gas Plant (MGP)
700 North Adams Street, BRRTS# 0205000254

Dear Mr. Weyers,

WEC Business Services (WBS), managing the Wisconsin Public Service Corporation (WPSC) former manufactured gas plant site at 700 North Adams Street is providing sample results of soil sampling collected as part of supplemental remedial investigation (RI) activities. Wisconsin Administrative Code Chapter NR716.14 requires responsible parties (WPSC for the above-mentioned site) to report sampling results to the property owner, and occupant, as applicable.

Results of the sampling are summarized in the attached documents. This include a summary table of the results compared to State standards. A copy of the relevant portions of the associated laboratory report and a figure showing the locations of the sample collected on your property are also included. The results will be presented in a future Remedial Investigation Report.

We appreciate your ongoing cooperation with groundwater sampling activities on your property. If you need additional information, please contact Sarah Krueger from the WDNR at 920-662-5443 or myself at 414-221-2156.

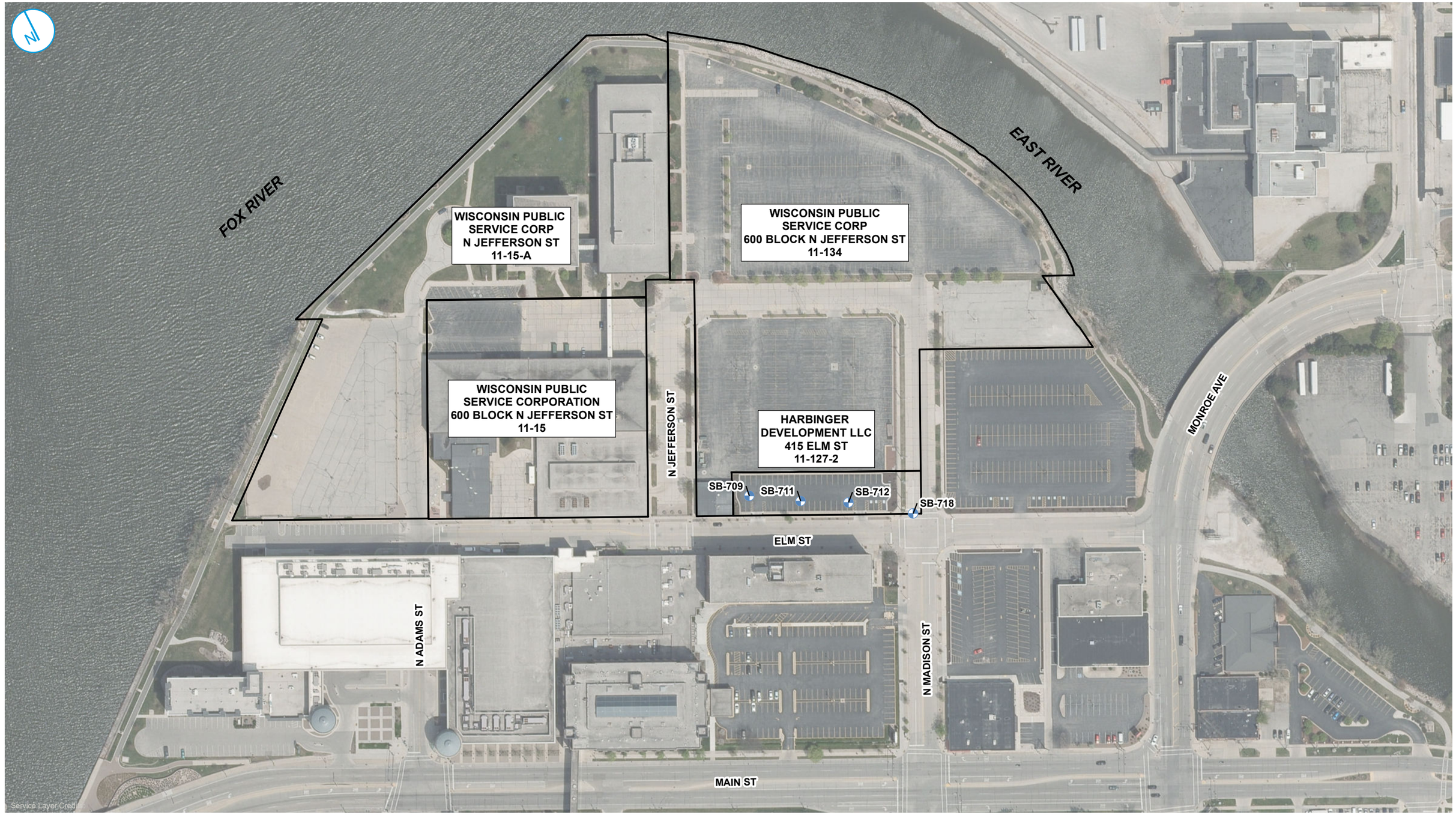
Sincerely,

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

Enc: Figure 1. Harbinger Development, LLC
Table 1. September 2023 Soil Sample Results for Harbinger Development, LLC.
Laboratory Data Reports – 40265723_frc and 40265795_frc

cc: USEPA RPM – Leah Werner (via email)
WDNR PM – Sarah Krueger (via US Mail and email)
Ms. Staci Goetz, Ramboll (via email)

FIGURE



PROJECT: 70712 | DATED: 9/28/2023 | DESIGNER: STOLZSD

Y:\GIS\Projects\15\15841MXD\WEC Adjacent Prop Data Maps\202005\Figure 1_Third_Party_2023_SBs.mxd

SOIL BORING LOCATION

PROPERTY LINE

0 75 150 Feet

HARBINGER DEVELOPMENT, LLC
BRRTS# 02-05-000254

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

FIGURE 01

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

RAMBOLL

TABLE

Table 1. September 2023 Soil Sample Results for Harbinger Development, LLC.

Third Party Notification
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 Soil BTV Backgrounds:				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Soil-to-Groundwater Pathway RCL (DF 2):				*NS*	*0.0051*	*1.57*	*1.1072*	*3.96*	*NS*	*NS*	*NS*	*NS*	*196.9492*	*NS*	*0.47*	*0.47*	*NS*	*NS*	*0.1442*	*NS*
WI Soil Industrial RCLs:				**219**	**7.07**	**35.4**	**818**	**260**	**72.7**	**3,010**	**45,200**	**NS**	**100,000**	**20.8**	**2.11**	**21.1**	**NS**	**211**	**2,110**	**2.11**
WI Soil Non-Industrial RCLs:				219	1.6	8.02	818	260	17.6	239	3,590	NS	17,900	1.14	0.115	1.15	NS	11.5	115	0.115
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
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
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

Notes:
Analyte concentration exceeds the standard for:

Blue Font	Soil BTV Backgrounds
Italic	*Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**Industrial Direct Contact RCL**
Underlined	Non-Industrial Direct Contact RCLs

Acronyms:
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = background threshold value
DF 2 = Dilution Factor of 2
Dup = Quality Control Field Duplicate Sample
GEO = Geotechnical Property
J = Estimated concentration
mg/kg = milligrams per kilogram
NS = No Standard
PAH = Polycyclic Aromatic Hydrocarbon
PVOC = Petroleum Volatile Organic Compound
RCL = NR720 Soil Residual Contaminant Level (WDNR)
U = Concentration was not detected above the reported limit
USEPA ID = United States Environmental Protection Agency site identification number

Screening Criteria:
Screening criteria from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018
Background Threshold Values (BTV) are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: http://pubs.usgs.gov/sir/2011/5202 .
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Lab comments, additional data qualifiers and definitions can be found in associated laboratory and validation reports.
Result values/flags may differ from lab report values/flags due to changes applied in third party validation report.

Table 1. Jeptember 2023 Soil Sample Results for Harbinger Development, LLC.

Third Party Notification
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 Soil BTV Backgrounds:	NS	NS	NS	NS	NS	NS	8	364	1	43.5	52	NS	NS	NS	NS
			Soil-to-Groundwater Pathway RCL (DF 2):	*88.8778*	*14.8299*	*NS*	*0.6582*	*NS*	*54.5455*	*0.584*	*164.8*	*0.752*	*360,000*	*27*	*0.208*	*0.52*	*0.8491*	*4.04*
			WI Soil Industrial RCLs:	**30,100**	**30,100**	**21.1**	**24.1**	**NS**	**22,600**	**3**	**100,000**	**985**	**NS**	**800**	**3.13**	**5,840**	**5,840**	**195**
			WI Soil Non-Industrial RCLs:	2,390	2,390	1.15	5.52	NS	1,790	0.677	15,300	71.1	NS	400	3.13	391	391	27.1
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
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
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

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

Notes:
Analyte concentration exceeds the standard for:

Blue Font	Soil BTV Backgrounds
Italic	*Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**Industrial Direct Contact RCL**
Underlined	Non-Industrial Direct Contact RCLs

Acronyms:
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = background threshold value
DF 2 = Dilution Factor of 2
Dup = Quality Control Field Duplicate Sample
GEO = Geotechnical Property
J = Estimated concentration
mg/kg = milligrams per kilogram
NS = No Standard
PAH = Polycyclic Aromatic Hydrocarbon
PVOC = Petroleum Volatile Organic Compound
RCL = NR720 Soil Residual Contaminant Level (WDNR)
U = Concentration was not detected above the reported limit
USEPA ID = United States Environmental Protection Agency site identification number

Screening Criteria:
Screening criteria from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018
Background Threshold Values (BTV) are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: http://pubs.usgs.gov/sir/2011/5202 .
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Lab comments, additional data qualifiers and definitions can be found in associated laboratory and validation reports.
Result values/flags may differ from lab report values/flags due to changes applied in third party validation report.

LABORATORY REPORTS

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

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

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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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
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

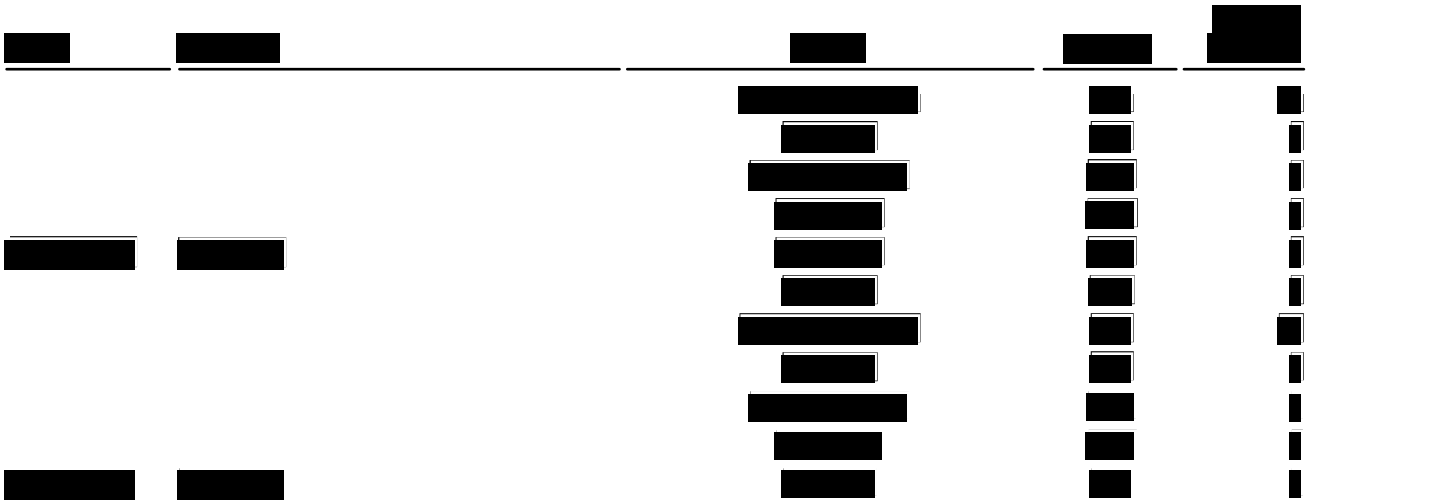
Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723008	**072623052**	EPA 6020B	TXW	7
		EPA 7471	YER	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	8
		ASTM D2974-87	MYH	1
		EPA 9012B	DAW	1
40265723009	**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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]

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



PASI-G = Pace Analytical Services - Green Bay

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 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

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 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

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 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

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 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
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 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)

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

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)

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 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
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: 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

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: 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

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: 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
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: 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
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: 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
Green Bay, WI 54302
(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
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
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
Green Bay, WI 54302
(920)469-2436

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
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1950103365 FORMER GREEN BAY MG
Pace Project No.: 40265723

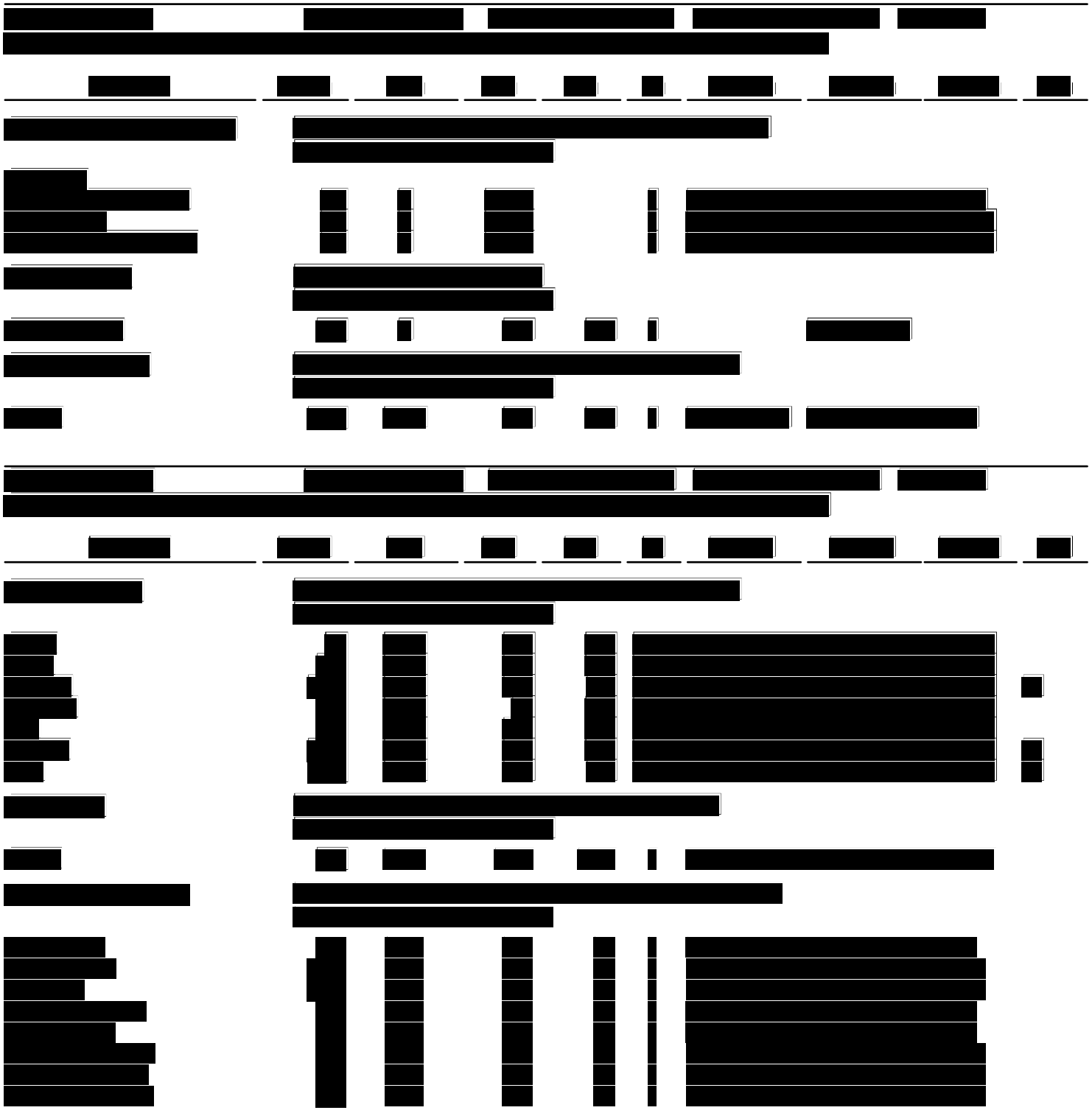
[redacted]

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



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

[redacted]

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

[redacted]

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

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 BAY MG
Pace Project No.: 40265723

QC Batch: 451117
QC Batch Method: EPA 7471
Analysis 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	

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 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	

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 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			

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 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	

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 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			

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 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	

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 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			

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 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	

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 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	

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 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	

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

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

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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
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		
[redacted]	[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]	[redacted]		
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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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.

402657223

COC#1940103765.004

QA: LCA 7/26/23

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

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 #	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	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																										

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

Pace Analytical
www.pacelabs.com

DACE DRAFF

CHAIN-OF-CUSTODY / Analytical Request Document

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

QA: WA 7/26/23

402685723

COC#1440103365.0-4

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

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	Requested Analysis Filtered (Y/N) 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	[redacted]																								
2																									
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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nate Duda

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07/26/23

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 # ✓402665723

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

Initial when completed MNS Date/Time: 07/26/2023

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																		1		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
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI
BG3U	250 mL clear glass unpres				

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# : 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

Person examining contents:
Date: 07/26/2023 Initials: MW

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): 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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]
		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
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 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

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 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)

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 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.

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

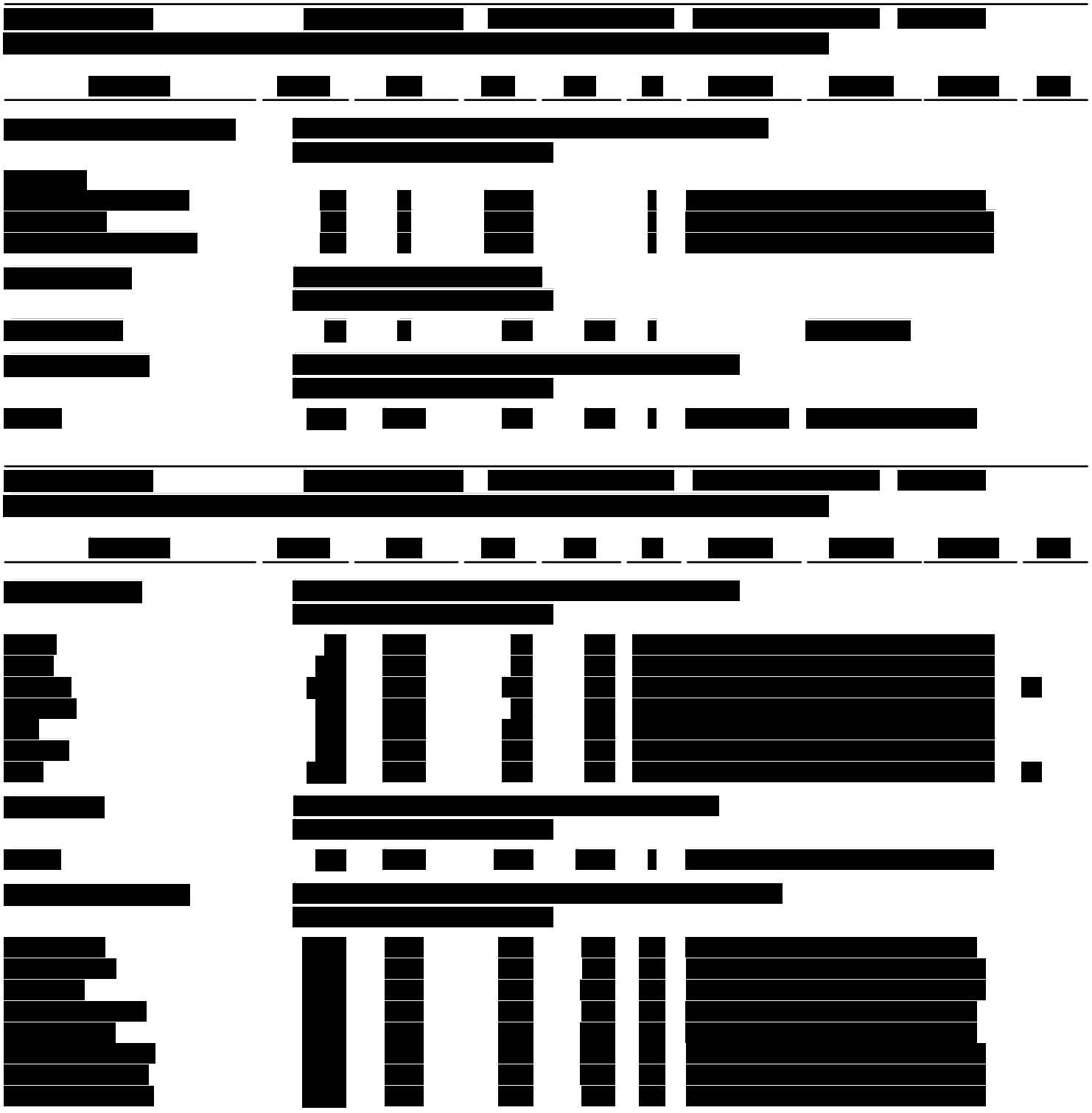
[redacted]

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



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

[redacted]

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

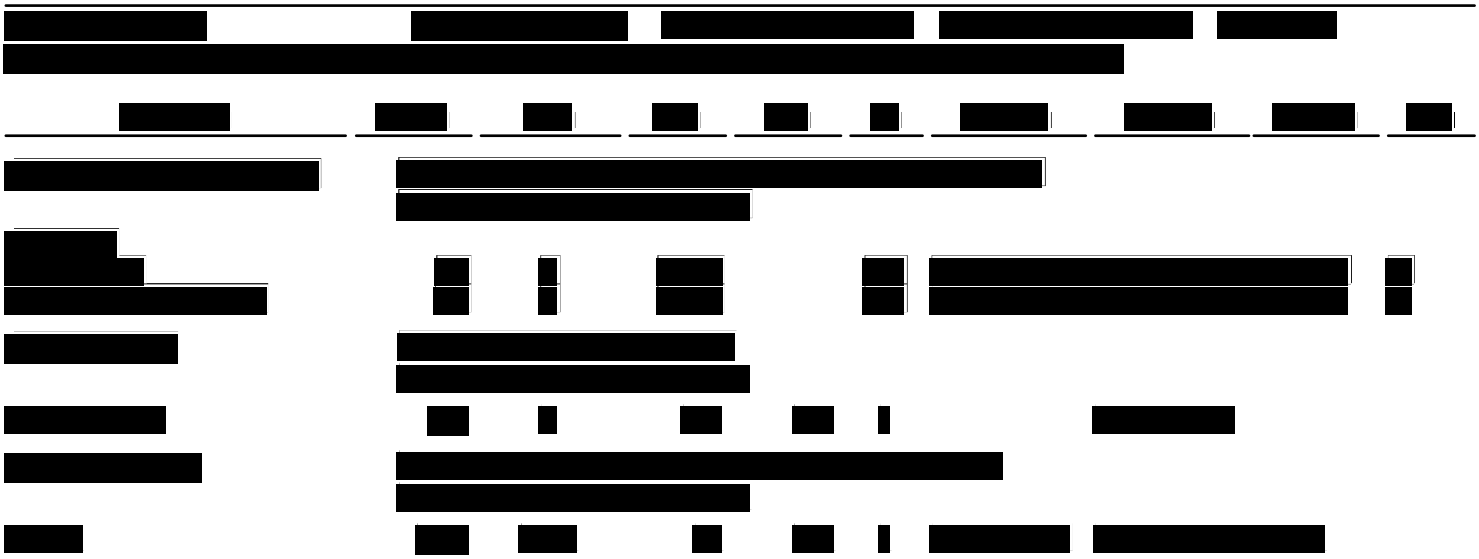
[redacted]

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: 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
Green Bay, WI 54302
(920)469-2436

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

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

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

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
1241 Bellevue Street - Suite 9
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

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.: 40265795

QC Batch: 451027 | Analysis Method: EPA 7471
QC Batch 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	

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.: 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	

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.: 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			

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.: 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			

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.: 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	

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.: 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			

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.: 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	

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.: 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.

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.: 40265795

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40265795004	072723063	EPA 3050B	451001	EPA 6020B	451092
40265795005	072723064	EPA 3050B	451001	EPA 6020B	451092
40265795006	072723065	EPA 3050B	451001	EPA 6020B	451092
40265795004	072723063	EPA 7471	451027	EPA 7471	451191
40265795005	072723064	EPA 7471	451027	EPA 7471	451191
40265795006	072723065	EPA 7471	451027	EPA 7471	451191
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
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
40265795004	072723063	ASTM D2974-87	451082		
40265795005	072723064	ASTM D2974-87	451082		
40265795006	072723065	ASTM D2974-87	451082		
40265795004	072723063	EPA 9012B	451139	EPA 9012B	451172
40265795005	072723064	EPA 9012B	451139	EPA 9012B	451172
40265795006	072723065	EPA 9012B	451139	EPA 9012B	451172

REPORT OF LABORATORY ANALYSIS

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.

QA: WR 7/27/2023

40265795

COC# 1940103365.005

Page: 1 of 1

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 TAT

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 Milwakee 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

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	Preservatives: 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																									
2																									
3																									
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			
	[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

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

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: Kamball

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

Page 2 of 2