

Wisconsin Public Service Corporation

700 North Adams Street P.O. Box 19001 Green Bay, WI 54307-9001

www.wisconsinpublicservice.com

July 27, 2021

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 results of groundwater samples collected as part of routine monitoring (MW-401BR and MW-402R) collected in May of 2021, as part routine monitoring. Similar to other recent sampling events, no samples were collected from MW-401AR due to the presence of dense non-aqueous phase liquid (DNAPL). The presence of DNAPL in MW-401AR is not a recent occurrence, nor does it present a risk to people using the parking lot. 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 includes summary tables of the results compared to State standards. Copies of the relevant portions of the associated laboratory reports and a figure showing the locations of samples collected on your property are also included. The results will be presented in a future Remedial Investigation Report.

We appreciate your cooperation with routine 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 Dømbrowski

Principal Environmental Consultant

render Nomina.

WEC Business Services - Environmental Dept.

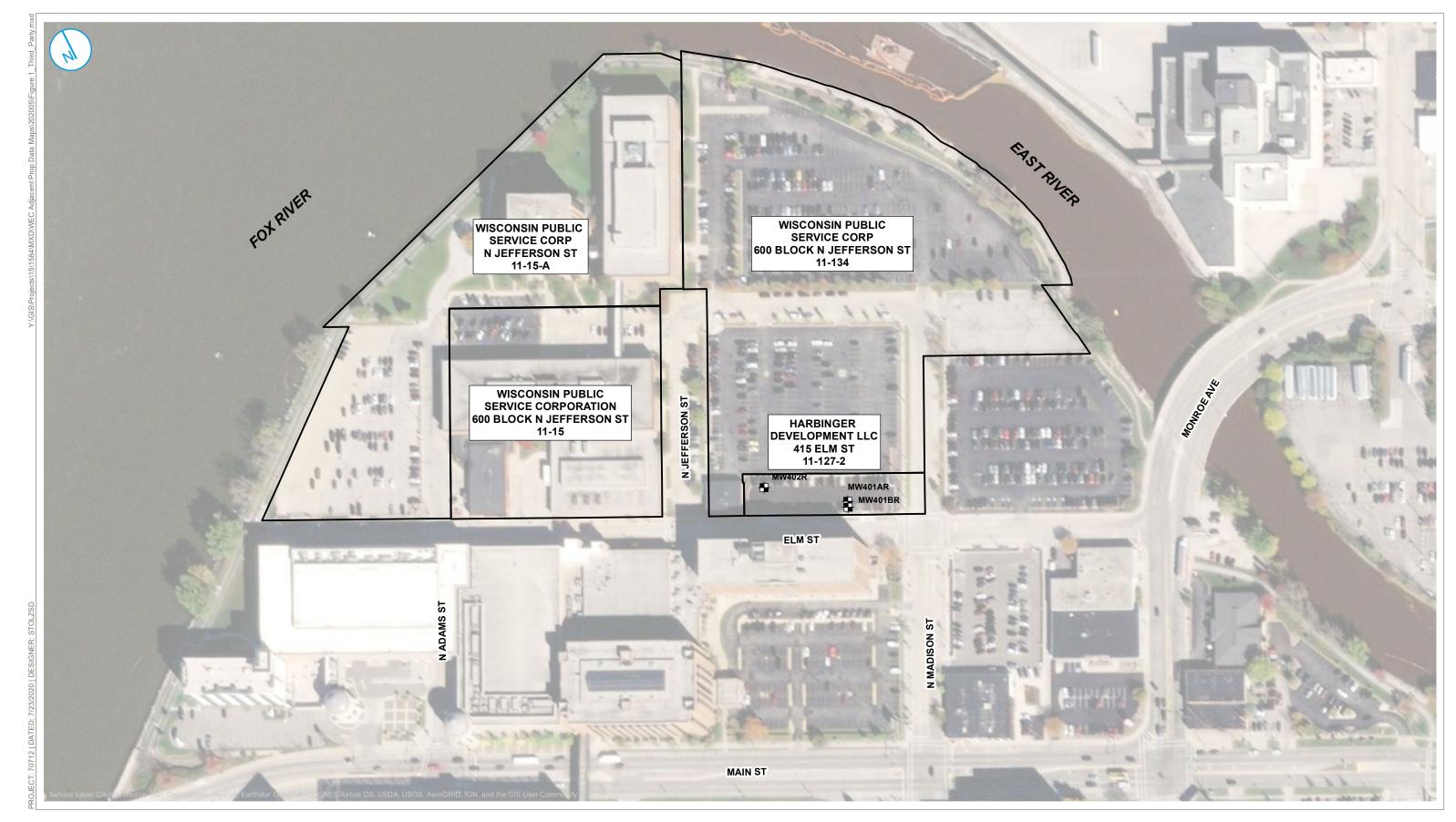
Enc: Figure 1. Harbinger Development, LLC

Mr. Jeffery Weyers Harbinger Development, LLC July 27, 2021 Page 2

Table 1. May 2021 Groundwater Analytical Results for Harbinger Development, LLC. Laboratory Data Report – 40227545_frc

cc: USEPA RPM – Sarah Rolfes (via email)
WDNR PM – Sarah Krueger (via US Mail and email)
WDNR Northeast Region (via email to DNRRRNER@wisconsin.gov)
Ms. Staci Goetz, Ramboll (via email)

FIGURES



MONITORING WELL LOCATION
PROPERTY LINE

HARBINGER DEVELOPMENT, LLC BRRTS# 02-05-000254 FIGURE 01

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

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

RAMBOLL

TABLES

Table 1. May 2021 Groundwater Analytical Results for the Harbinger Development, LLC.

June 2021 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	PVOC	PVOC	PVOC	PVOC	PVOC	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
9-digit Code	Sample Location	Sample Date	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total ¹	Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	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	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
	Re	eporting Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
			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	g Result Flag	Result Flag	Result Flag	Result Flag	g Result Flag	Result Flag	Result Flag	Result Fla	ag Result Fla	Result Flag	Result Flag	Result Flag
						T _		T																					
	WI Gro	oundwater ES:	NS	NS	480	5	700	800	NS	NS	2,000	NS	NS	NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
	WI Grou	undwater PAL:	<u>NS</u>	<u>NS</u>	<u>96</u>	0.5	<u>140</u>	<u>160</u>	<u>NS</u>	<u>NS</u>	<u>400</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>600</u>	<u>NS</u>	0.02	0.02	<u>NS</u>	<u>NS</u>	0.02	<u>NS</u>	<u>80</u>	<u>80</u>	<u>NS</u>	<u>10</u>	<u>NS</u>	<u>50</u>
						•		•									•	•			•	•		•		-			
052521020	MW-402R	05/25/2021	15.2	0.71 U	15.2	<u>167</u>	17.0	3.3	11.3	17.1	28.4	50.0	2.6	15.9	0.99	0.67 J	0.16 U	0.23* U	0.12* U	0.15 U	0.16 U	0.28* U	0.22 U	0.45 J	6.6	0.38 U	<u>77.2</u>	3.5	0.51 J
052521021	MW-401BR	05/25/2021	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.26	0.30	0.017 J	0.043	0.037 J	0.094	0.099	0.17	0.11	0.066	0.20	0.016 J	0.32	0.045	0.081 J	1.9	0.16	0.30

Sorted by 9-digit Code

Bold	attains or exceeds the WI Groundwater ES
<u>Underline</u>	attains or exceeds the WI Groundwater PAL

Results & Flags:

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

J = Estimated Concentration

U = Concentration was not detected above the reported limit

Acronyms:

 $\mu g/L$ = micrograms per liter

BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))

ES = Enforcement Standard

NO2 + NO3 = nitrite plus nitrate

NS = No Standard PAH = Polycyclic Aromatic Hydrocarbon

PAL = Preventive Action Limit

PVOC = Petroleum Volatile Organic Compound

USEPA = United States Environmental Protection Agency

VOC = Volatile Organic Compound

WI = Wisconsin

Superscripts:

- 1. Total Trimethylbenzenes were calculated by Ramboll as follows:
- a. Where no detections were observed, the sum of the reporting limits is presented.
- $b. \ \ Where \ detections \ were \ observed, only \ the \ detected \ results \ were \ added \ together \ for \ the \ total \ summation.$
- c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Screening Levels:
PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020.

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

Table 1. May 2021 Groundwater Analytical Results for the Harbinger Development, LLC.

June 2021 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

			Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Inorganic	Inorganic	Organic	Field	Field	Field	Field	Field	Field	Field
9-digit Code	Sample Location	Sample Date	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Iron, Total	Lead, Total	Manganese, Total	Mercury, Total	Selenium, Total	Silver, Total	Nitrogen, NO2 + NO3, Total	Sulfate, Total	Methane	Dissolved oxygen	Groundwater, depth to	Oxidation Reduction Potential	pH, Field	Specific Conductance, Field	Temperature, Water	Turbidity, Quantitative
	R	eporting Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	mg/L	feet	millivolts	s.u.	μS/cm	Deg C	NTUs
			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	Result Flag	Result Flag	Result Flag
					1	1						1							1	1	1	
	WI Gr	oundwater ES:	10	2,000	5	100	300	15	300	2	50	50	10,000	250,000	NS	NS	NS	NS	NS	NS	NS	NS
	WI Gro	undwater PAL:	<u>1</u>	<u>400</u>	0.5	<u>10</u>	<u>150</u>	<u>1.5</u>	<u>60</u>	<u>0.2</u>	<u>10</u>	<u>10</u>	2,000	125,000	<u>NS</u>	<u>NS</u>	NS	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>
052521020	MW-402R	05/25/2021	<u>1.7</u> J	<u>762</u>	0.30 U	2.0 U	<u>4,320</u>	0.47 U	<u>325</u>	0.066 U	1.2 J	0.25 U	160 J	<u>152,000</u>	208	0.24	4.11	-47.5	7.03	9063.4	17.38	0.00
052521021	MW-401BR	05/25/2021	0.77 J	66.7	0.30 U	2.0 U	116 U	0.47 U	<u>326</u>	0.066 U	0.63 U	0.25 U	370	1,030,000	5.5	0.36	8.72	61.8	7.12	3757.5	18.46	0.00

[O:CMD 7/13/21, C:LDH 7/13/2021, C:SJM 7/14/21]

Sorted by 9-digit Code

Bold	attains or exceeds the WI Groundwater ES
<u>Underline</u>	attains or exceeds the WI Groundwater PAL

Results & Flags:

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

J = Estimated Concentration

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Acronyms:

 $\mu g/L$ = micrograms per liter

BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))

ES = Enforcement Standard

NO2 + NO3 = nitrite plus nitrate

NS = No Standard PAH = Polycyclic Aromatic Hydrocarbon

PAL = Preventive Action Limit

PVOC = Petroleum Volatile Organic Compound

USEPA = United States Environmental Protection Agency

VOC = Volatile Organic Compound

1584 May2021_WG 3rdParty.xlsx

WI = Wisconsin

Superscripts:

- 1. Total Trimethylbenzenes were calculated by Ramboll as follows:
- a. Where no detections were observed, the sum of the reporting limits is presented.
- $b. \ \ Where \ detections \ were \ observed, only \ the \ detected \ results \ were \ added \ together \ for \ the \ total \ summation.$
- c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Screening Levels:
PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020.

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







June 10, 2021

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

RE: Project: 70712 GREEN BAY MGP Pace Project No.: 40227545

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

Pace Analytical Services - Green Bay

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

Sincerely,

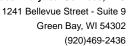
Brian Basten brian.basten@pacelabs.com

(920)469-2436 Project Manager

Enclosures

cc: Phil Brochocki, Ramboll
NRT Data, Ramboll
Eric Hritsuk, OBG
Robert Paulson, We Energies
Kyle Schaefer, Ramboll Americas
Dan Vachon, O'Brien & Gere Engineers, Inc Integrys WI
Steve Wiskes, Ramboll







CERTIFICATIONS

Project: 70712 GREEN BAY MGP

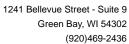
Pace Project No.: 40227545

Pace Analytical Services Green Bay

North Dakota Certification #: R-150

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 Virginia VELAP ID: 460263

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0





SAMPLE SUMMARY

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227545001	052521020	Water	05/25/21 15:51	05/26/21 10:42
40227545002	052521021	Water	05/25/21 16:25	05/26/21 10:42



SAMPLE ANALYTE COUNT

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40227545001	052521020	EPA 8015B Modified	ALD	1
		EPA 6020	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	JJB	20
		EPA 8260	LAP	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40227545002	052521021	EPA 8015B Modified	ALD	1
		EPA 6020	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	JJB	20
		EPA 8260	LAP	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1

PASI-G = Pace Analytical Services - Green Bay



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

PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

2 samples were analyzed for EPA 8015B Modified 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.

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.

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.

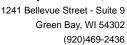
Laboratory Control Spike:

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:





PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Method: EPA 6020

Description: 6020 MET ICPMS

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

2 samples were analyzed for EPA 6020 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 3010 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.

Additional Comments:

Analyte Comments:

QC Batch: 386743

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

- 052521020 (Lab ID: 40227545001)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 052521021 (Lab ID: 40227545002)
 - Silver
 - Arsenic



Green Bay, WI 54302 (920)469-2436

PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Method: EPA 6020

Description: 6020 MET ICPMS

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

Analyte Comments: QC Batch: 386743

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

• 052521021 (Lab ID: 40227545002)

• Cadmium

• Chromium

• Iron

Lead

• Selenium

Green Bay, WI 54302 (920)469-2436





PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Method: EPA 7470
Description: 7470 Mercury

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

2 samples were analyzed for EPA 7470 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 7470 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:



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

PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Method: EPA 8270E by SIM Description: 8270E MSSV PAH

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

2 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 3510 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:



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

PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Method: EPA 8260 Description: 8260 MSV UST

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

2 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.

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: 386492

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40227535021

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

- MSD (Lab ID: 2230311)
 - Ethylbenzene

Additional Comments:



Green Bay, WI 54302 (920)469-2436

PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Method: EPA 300.0

Description: 300.0 IC Anions

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

2 samples were analyzed for EPA 300.0 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.

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:

Green Bay, WI 54302 (920)469-2436



PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Method: EPA 353.2

Description: 353.2 Nitrogen, NO2/NO3 pres.

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

2 samples were analyzed for EPA 353.2 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.

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: 387271

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40227543003,50288421004

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

• MS (Lab ID: 2234151)

• Nitrogen, NO2 plus NO3

- MSD (Lab ID: 2234152)
 - Nitrogen, NO2 plus NO3

Additional Comments:

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



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

Methane 208 6020 MET ICPMS Analytical Pace Analyt	Units I Method: EPA 8 alytical Services ug/L I Method: EPA 6 alytical Services ug/L ug/L	- Green Bay 5.6 020 Prepara	LOD dd 1.2	DF	Prepared	Analyzed	CAS No.	Qual
Methane 208 6020 MET ICPMS Analytical Pace Analyt	ug/L ug/L I Method: EPA 6 ug/L	- Green Bay 5.6 020 Prepara						
Methane 208 6020 MET ICPMS Analytical Pace Analyt	ug/L I Method: EPA 6 Ilytical Services ug/L	5.6 020 Prepara	1.2					
6020 MET ICPMS Analytical Pace Analyti	I Method: EPA 6 alytical Services ug/L	020 Prepara	1.2					
Arsenic 1.7J Barium 762 Cadmium < 0.30 Chromium < 2.0 Iron 4320 Lead <0.47 Manganese 325 Selenium 1.2J Silver < 0.25 7470 Mercury Analytical Mercury <0.066 8270E MSSV PAH Analytical	llytical Services ug/L			2		06/03/21 11:33	74-82-8	
Arsenic 1.7J Barium 762 Cadmium < 0.30 Chromium < 2.0 Iron 4320 Lead <0.47 Manganese 325 Selenium 1.2J Silver < 0.25 7470 Mercury Analytical Mercury <0.066 8270E MSSV PAH Analytical	llytical Services ug/L		tion Meth	od: EPA	3010			
Barium 762 Cadmium <0.30	•	y						
Cadmium <0.30	ua/l	2.0	0.56	2	06/01/21 07:00	06/03/21 02:52	7440-38-2	D3
Chromium <2.0	ug/∟	4.7	1.4	2	06/01/21 07:00	06/03/21 02:52	7440-39-3	
Iron 4320 Lead <0.47	ug/L	2.0	0.30	2	06/01/21 07:00	06/03/21 02:52	7440-43-9	D3
Lead <0.47	ug/L	6.8	2.0	2	06/01/21 07:00	06/03/21 02:52	7440-47-3	D3
Lead <0.47	ug/L	500	116	2	06/01/21 07:00	06/03/21 02:52	7439-89-6	
Manganese 325 Selenium 1.2J Silver <0.25	ug/L	2.0	0.47	2		06/03/21 02:52		D3
Selenium 1.2J Silver <0.25	ug/L	8.1	2.4	2	06/01/21 07:00			
Silver <0.25 7470 Mercury Analytical Pace Ana Mercury <0.066 8270E MSSV PAH Analytical	ug/L	2.1	0.63	2	06/01/21 07:00			D3
Pace Ana Mercury <0.066 8270E MSSV PAH Analytical	ug/L	1.0	0.25	2		06/03/21 02:52		D3
Pace Ana Mercury <0.066 8270E MSSV PAH Analytical	Method: EPA 7	470 Prepara	tion Meth	od: EPA	7470			
8270E MSSV PAH Analytical	lytical Services	•						
-	ug/L	0.20	0.066	1	06/03/21 10:45	06/04/21 09:27	7439-97-6	
-	Method: EPA 8	270F by SIM	Preparat	ion Met	hod: FPA 3510			
Pace Ana	lytical Services	•	Tropulai	ion we	110d. E177 00 10			
Acenaphthene 15.9	ug/L	0.65	0.13	20	05/31/21 09:36	06/02/21 15:56	83-32-9	
Acenaphthylene 0.99	ug/L	0.54	0.11	20	05/31/21 09:36	06/02/21 15:56	208-96-8	
Anthracene 0.67J	ug/L	1.1	0.22	20	05/31/21 09:36	06/02/21 15:56	120-12-7	
Benzo(a)anthracene <0.16	ug/L	0.81	0.16	20	05/31/21 09:36	06/02/21 15:56	56-55-3	
Benzo(a)pyrene <0.23	ug/L	1.1	0.23	20	05/31/21 09:36	06/02/21 15:56	50-32-8	
Benzo(b)fluoranthene <0.12	ug/L	0.62	0.12	20	05/31/21 09:36	06/02/21 15:56	205-99-2	
Benzo(g,h,i)perylene <0.15	ug/L	0.73	0.15	20	05/31/21 09:36	06/02/21 15:56	191-24-2	
Benzo(k)fluoranthene <0.16	ug/L	0.81	0.16	20	05/31/21 09:36			
Chrysene <0.28	ug/L	1.4	0.28	20	05/31/21 09:36		218-01-9	
Dibenz(a,h)anthracene <0.22	ug/L	1.1	0.22	20	05/31/21 09:36			
Fluoranthene 0.45J	ug/L	1.1	0.23	20	05/31/21 09:36	06/02/21 15:56		
Fluorene 6.6	ug/L	0.86	0.17	20	05/31/21 09:36	06/02/21 15:56		
Indeno(1,2,3-cd)pyrene <0.38	ug/L	1.9	0.38	20	05/31/21 09:36	06/02/21 15:56		
1-Methylnaphthalene 50.0	ug/L	0.63	0.13	20	05/31/21 09:36	06/02/21 15:56		
2-Methylnaphthalene 2.6	ug/L	0.53	0.11	20	05/31/21 09:36			
Naphthalene 77.2	ug/L	2.0	0.39	20		06/02/21 15:56		
Phenanthrene 3.5	ug/L	1.5	0.30	20		06/02/21 15:56		
Pyrene 0.51J	ug/L	0.82	0.16	20		06/02/21 15:56		
Surrogates	~ y , –	5. 52	5.10	_0	23,2.,21.00.00	23,02,21 10.00	0 0 0	
2-Fluorobiphenyl (S) 58	%	39-120		20	05/31/21 09:36	06/02/21 15:56	321-60-8	
Terphenyl-d14 (S) 70	%	10-159		20		06/02/21 15:56		
8260 MSV UST Analytical	Mothod: FDA 0							
-	i ivietriod: EPA 8	260						
Benzene 167	l Method: EPA 8 llytical Services							



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

Sample: 052521020	Lab ID: 402	27545001	Collected:	05/25/21	15:51	Received: 05/	26/21 10:42 Ma	atrix: Water	
Parameters	Results I	Jnits	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Met	hod: EPA 82	260						
	Pace Analytic	al Services -	Green Bay						
Ethylbenzene	17.0	ug/L	2.0	0.65	2		05/28/21 09:41	100-41-4	
Toluene		ug/L	2.0	0.58	2		05/28/21 09:41		
1,2,4-Trimethylbenzene		ug/L	2.0	0.90	2		05/28/21 09:41		
1,3,5-Trimethylbenzene		ug/L	2.0	0.71	2		05/28/21 09:41		
Xylene (Total)		ug/L	6.0	2.1	2		05/28/21 09:41	1330-20-7	
m&p-Xylene	17.1	ug/L	4.0	1.4	2		05/28/21 09:41	179601-23-1	
o-Xylene		ug/L	2.0	0.70	2		05/28/21 09:41	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		2		05/28/21 09:41	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		2		05/28/21 09:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		2		05/28/21 09:41	2199-69-1	
300.0 IC Anions	Analytical Met	hod: FPA 30	0.0						
300.0 TO ATHORS	Pace Analytic								
	•		•		_				
Sulfate	152	ng/L	10.0	2.2	5		06/09/21 16:42	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Met	hod: EPA 35	53.2						
, i i i i i i i i i i i i i i i i i i i	Pace Analytic								
Nitro and NOO also NOO	,		,	0.050			00/07/04 40:47		
Nitrogen, NO2 plus NO3	0.16J i	ng/L	0.25	0.059	1		06/07/21 13:17		
Sample: 052521021	Lab ID: 402	27545002	Collected:	05/25/21	16:25	Received: 05/	26/21 10:42 Ma	atrix: Water	
Parameters	Results I	Jnits	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
	A = 1 M = 1 M = 1		045D M - 1'C -			-		•	
Methane, Ethane, Ethene GCV	Analytical Met			a					
	Pace Analytic	al Services -	Green Bay						
Methane	5.5	ug/L	2.8	0.58	1		06/03/21 10:11	74-82-8	
6020 MET ICPMS	Analytical Met	hod: EPA 60	120 Prenara	tion Metho	d· ΕΡΔ	3010			
0020 MET ICI MIS	Pace Analytica			don wictho	и. LI /-	3010			
	Face Analytic	ai Seivices -	Gleen bay						
Arsenic	0.77J	ug/L	2.0	0.56	2		06/03/21 02:59		D3
					2	06/01/21 07:00	06/03/21 02:59	7440-39-3	_
Barium	66.7	ug/L	4.7	1.4					D3
Barium Cadmium	66.7 <0.30	ug/L	2.0	0.30	2	06/01/21 07:00	06/03/21 02:59		
Barium Cadmium Chromium	66.7 <0.30 <2.0	ug/L ug/L	2.0 6.8	0.30 2.0	2 2	06/01/21 07:00 06/01/21 07:00	06/03/21 02:59 06/03/21 02:59	7440-47-3	D3
Barium Cadmium Chromium Iron	66.7 <0.30 <2.0 <116	ug/L ug/L ug/L	2.0 6.8 500	0.30 2.0 116	2 2 2	06/01/21 07:00 06/01/21 07:00 06/01/21 07:00	06/03/21 02:59 06/03/21 02:59 06/03/21 02:59	7440-47-3 7439-89-6	D3 D3
Barium Cadmium Chromium Iron Lead	66.7 <0.30 <2.0 <116 <0.47	ug/L ug/L ug/L ug/L	2.0 6.8 500 2.0	0.30 2.0 116 0.47	2 2 2 2	06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00	06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59	7440-47-3 7439-89-6 7439-92-1	D3
Barium Cadmium Chromium Iron Lead Manganese	66.7 <0.30 <2.0 <116 <0.47 326	ug/L ug/L ug/L ug/L ug/L	2.0 6.8 500 2.0 8.1	0.30 2.0 116 0.47 2.4	2 2 2 2 2	06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00	06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59	7440-47-3 7439-89-6 7439-92-1 7439-96-5	D3 D3 D3
Barium Cadmium Chromium Iron Lead Manganese Selenium	66.7 <0.30 <2.0 <116 <0.47 326 <0.63	ug/L ug/L ug/L ug/L ug/L ug/L	2.0 6.8 500 2.0 8.1 2.1	0.30 2.0 116 0.47 2.4 0.63	2 2 2 2 2 2	06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00	06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59	7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3
Barium Cadmium Chromium Iron Lead Manganese Selenium	66.7 <0.30 <2.0 <116 <0.47 326 <0.63	ug/L ug/L ug/L ug/L ug/L	2.0 6.8 500 2.0 8.1	0.30 2.0 116 0.47 2.4	2 2 2 2 2	06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00	06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59	7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3
Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	66.7 <0.30 <2.0 <116 <0.47 326 <0.63 <0.25	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.0 6.8 500 2.0 8.1 2.1 1.0	0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2	06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00	06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59	7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3
Barium Cadmium Chromium Iron Lead Manganese Selenium	66.7 <0.30 <2.0 <116 <0.47 326 <0.63 <0.25	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.0 6.8 500 2.0 8.1 2.1 1.0	0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2	06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00	06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59	7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3
Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	66.7 <0.30 <2.0 <116 <0.47 326 <0.63 <0.25 Analytical Met	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.0 6.8 500 2.0 8.1 2.1 1.0	0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2	06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 06/01/21 07:00 7470	06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59 06/03/21 02:59	7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2 7440-22-4	D3 D3 D3

REPORT OF LABORATORY ANALYSIS

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Date: 06/10/2021 04:12 PM

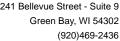
ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545 Lab ID: 40227545002 Collected: 05/25/21 16:25 Received: 05/26/21 10:42 Sample: 052521021 Matrix: Water LOQ LOD DF **Parameters** Results Units Prepared CAS No. Analyzed Qual Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 8270E MSSV PAH Pace Analytical Services - Green Bay Acenaphthene 0.017J ug/L 0.030 0.0060 05/31/21 09:36 06/02/21 10:25 83-32-9 1 0.0049 Acenaphthylene 0.043 ug/L 0.025 1 05/31/21 09:36 06/02/21 10:25 208-96-8 Anthracene 0.037J ug/L 0.052 0.010 1 05/31/21 09:36 06/02/21 10:25 120-12-7 Benzo(a)anthracene 0.094 ug/L 0.037 0.0075 1 05/31/21 09:36 06/02/21 10:25 56-55-3 Benzo(a)pyrene 0.099 ug/L 0.052 0.010 05/31/21 09:36 06/02/21 10:25 50-32-8 1 Benzo(b)fluoranthene 0.17 ug/L 0.028 0.0057 05/31/21 09:36 06/02/21 10:25 205-99-2 1 Benzo(g,h,i)perylene 0.11 ug/L 0.034 0.0067 1 05/31/21 09:36 06/02/21 10:25 191-24-2 0.066 Benzo(k)fluoranthene ug/L 0.037 0.0075 1 05/31/21 09:36 06/02/21 10:25 207-08-9 Chrysene 0.20 ug/L 0.065 0.013 1 05/31/21 09:36 06/02/21 10:25 218-01-9 Dibenz(a,h)anthracene 0.016J ug/L 0.050 0.0099 1 05/31/21 09:36 06/02/21 10:25 53-70-3 Fluoranthene 0.32 ug/L 0.053 0.011 05/31/21 09:36 06/02/21 10:25 206-44-0 1 0.0079 06/02/21 10:25 86-73-7 Fluorene 0.045 ug/L 0.039 1 05/31/21 09:36 0.081J 0.087 0.017 06/02/21 10:25 193-39-5 Indeno(1,2,3-cd)pyrene ug/L 1 05/31/21 09:36 1-Methylnaphthalene 0.26 ug/L 0.029 0.0058 1 05/31/21 09:36 06/02/21 10:25 90-12-0 2-Methylnaphthalene 0.30 ug/L 0.024 0.0049 1 05/31/21 09:36 06/02/21 10:25 91-57-6 0.091 0.018 05/31/21 09:36 06/02/21 10:25 91-20-3 Naphthalene 1.9 ug/L 1 0.16 0.068 0.014 1 Phenanthrene ug/L 0.30 0.0076 05/31/21 09:36 06/02/21 10:25 129-00-0 Pyrene 0.038 1 ug/L Surrogates 2-Fluorobiphenyl (S) 54 % 39-120 1 05/31/21 09:36 06/02/21 10:25 321-60-8 Terphenyl-d14 (S) 66 % 10-159 05/31/21 09:36 06/02/21 10:25 1718-51-0 Analytical Method: EPA 8260 **8260 MSV UST** Pace Analytical Services - Green Bay Benzene <0.30 ug/L 1.0 0.30 1 05/28/21 02:25 71-43-2 Ethylbenzene < 0.33 ug/L 1.0 0.33 05/28/21 02:25 100-41-4 1 Toluene <0.29 ug/L 1.0 0.29 05/28/21 02:25 108-88-3 1 <0.45 0.45 05/28/21 02:25 95-63-6 1,2,4-Trimethylbenzene ug/L 1.0 1 1,3,5-Trimethylbenzene < 0.36 ug/L 0.36 05/28/21 02:25 108-67-8 1.0 1 3.0 05/28/21 02:25 1330-20-7 Xylene (Total) <1.0 ug/L 1.0 1 m&p-Xylene < 0.70 ug/L 2.0 0.70 1 05/28/21 02:25 179601-23-1 05/28/21 02:25 95-47-6 o-Xylene < 0.35 ug/L 1.0 0.35 1 Surrogates 100 % 70-130 05/28/21 02:25 2037-26-5 Toluene-d8 (S) 1 4-Bromofluorobenzene (S) 106 % 70-130 05/28/21 02:25 460-00-4 1 1,2-Dichlorobenzene-d4 (S) 108 % 70-130 1 05/28/21 02:25 2199-69-1 300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay Sulfate 1030 mg/L 100 22.2 50 06/10/21 11:14 14808-79-8 353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay 0.059 Nitrogen, NO2 plus NO3 0.37 0.25 1 06/07/21 13:18

REPORT OF LABORATORY ANALYSIS

mg/L





Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

QC Batch: 387029

QC Batch Method: EPA 8015B Modified

Analysis Method: EPA 8015B Modified

Analysis Description: Methane, Ethane, Ethene GCV

Laboratory:

Pace Analytical Services - Green Bay

Associated Lab Samples: 40227545001, 40227545002

METHOD BLANK: 2232604

Date: 06/10/2021 04:12 PM

Matrix: Water

Associated Lab Samples: 40227545001, 40227545002

Blank Reporting

Parameter Units Result L

Limit Analyzed Qualifiers

Methane ug/L <0.58 2.8 06/03/21 08:37

LABORATORY CONTROL SAMPLE & LCSD: 2232605 2232606

Spike LCS **LCSD** LCS LCSD % Rec Max RPD RPD Qualifiers Parameter Units Conc. Result Result % Rec % Rec Limits

Methane ug/L 28.6 25.8 26.2 90 92 80-121 1 20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2232607 2232608

MS MSD

40227543003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Result Result % Rec % Rec **RPD** RPD Qual Result Conc. Limits

 Methane
 ug/L
 472
 286
 286
 1010
 1040
 190
 198
 10-200
 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.

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QUALITY CONTROL DATA

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

QC Batch: 387040 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227545001, 40227545002

METHOD BLANK: 2232645 Matrix: Water

Associated Lab Samples: 40227545001, 40227545002

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Mercury ug/L <0.066 0.20 06/04/21 08:37

LABORATORY CONTROL SAMPLE: 2232646

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2232647 2232648

MSD MS 40227542001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec **RPD** RPD Qual Result Limits <0.066 5 20 Mercury ug/L 5 4.6 4.7 93 94 85-115

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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

QC Batch: 386743 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227545001, 40227545002

METHOD BLANK: 2231669 Matrix: Water

Associated Lab Samples: 40227545001, 40227545002

Devenuetos	Haita	Blank	Reporting	A a la a -l	O !: f:
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.28	1.0	06/03/21 01:37	
Barium	ug/L	< 0.70	2.3	06/03/21 01:37	
Cadmium	ug/L	<0.15	1.0	06/03/21 01:37	
Chromium	ug/L	<1.0	3.4	06/03/21 01:37	
Iron	ug/L	<58.0	250	06/03/21 01:37	
Lead	ug/L	<0.24	1.0	06/03/21 01:37	
Manganese	ug/L	<1.2	4.0	06/03/21 01:37	
Selenium	ug/L	< 0.32	1.1	06/03/21 01:37	
Silver	ug/L	<0.13	0.50	06/03/21 01:37	

LABORATORY	CONTROL SAMPLE:	2231670

Date: 06/10/2021 04:12 PM

LABORATORT CONTROL CAMILLE.	2231070					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Arsenic	ug/L	500	457	91	80-120	_
Barium	ug/L	500	457	91	80-120	
Cadmium	ug/L	500	487	97	80-120	
Chromium	ug/L	500	470	94	80-120	
Iron	ug/L	5000	4970	99	80-120	
Lead	ug/L	500	440	88	80-120	
Manganese	ug/L	500	452	90	80-120	
Selenium	ug/L	500	478	96	80-120	
Silver	ug/L	250	228	91	80-120	

MATRIX SPIKE & MATRIX	SPIKE DUPLIC	CATE: 2231	671		2231672							
Parameter	4 Units	0227543003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	3.0	500	500	474	474	94	94	75-125	0	20	
Barium	ug/L	301	500	500	764	760	93	92	75-125	1	20	
Cadmium	ug/L	0.56J	500	500	475	474	95	95	75-125	0	20	
Chromium	ug/L	<2.0	500	500	480	478	96	95	75-125	1	20	
Iron	ug/L	9950	5000	5000	14900	14700	98	94	75-125	1	20	
Lead	ug/L	0.60J	500	500	455	453	91	91	75-125	0	20	
Manganese	ug/L	671	500	500	1120	1100	90	86	75-125	2	20	
Selenium	ug/L	0.94J	500	500	478	477	95	95	75-125	0	20	
Silver	ug/L	<0.25	250	250	216	216	86	86	75-125	0	20	

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



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

QC Batch: 386490 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227545001

METHOD BLANK: 2230140 Matrix: Water

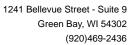
Associated Lab Samples: 40227545001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/28/21 07:44	
1,3,5-Trimethylbenzene	ug/L	< 0.36	1.0	05/28/21 07:44	
Benzene	ug/L	< 0.30	1.0	05/28/21 07:44	
Ethylbenzene	ug/L	< 0.33	1.0	05/28/21 07:44	
m&p-Xylene	ug/L	< 0.70	2.0	05/28/21 07:44	
o-Xylene	ug/L	< 0.35	1.0	05/28/21 07:44	
Toluene	ug/L	< 0.29	1.0	05/28/21 07:44	
Xylene (Total)	ug/L	<1.0	3.0	05/28/21 07:44	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	05/28/21 07:44	
4-Bromofluorobenzene (S)	%	104	70-130	05/28/21 07:44	
Toluene-d8 (S)	%	99	70-130	05/28/21 07:44	

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	58.8	118	70-132	
Ethylbenzene	ug/L	50	61.0	122	80-123	
m&p-Xylene	ug/L	100	123	123	70-130	
o-Xylene	ug/L	50	59.1	118	70-130	
Toluene	ug/L	50	58.0	116	80-121	
Xylene (Total)	ug/L	150	182	121	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SP	IKE DUPLI	CATE: 2230	142		2230143							
			MS	MSD								
	4	10227543003	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	<0.30	50	50	58.0	59.1	116	118	70-132	2	20	
Ethylbenzene	ug/L	< 0.33	50	50	61.3	61.4	123	123	80-123	0	20	
m&p-Xylene	ug/L	< 0.70	100	100	120	121	120	121	70-130	1	20	
o-Xylene	ug/L	< 0.35	50	50	57.9	59.1	116	118	70-130	2	20	
Toluene	ug/L	< 0.29	50	50	57.9	57.3	116	115	80-121	1	20	
Xylene (Total)	ug/L	<1.0	150	150	178	180	119	120	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						102	99	70-130			
4-Bromofluorobenzene (S)	%						111	109	70-130			

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





Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2230142 2230143

MS MSD

40227543003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec RPD RPD Qual Result Limits Toluene-d8 (S) % 98 70-130

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



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

QC Batch: 386492 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227545002

METHOD BLANK: 2230146 Matrix: Water

Associated Lab Samples: 40227545002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/27/21 17:34	
1,3,5-Trimethylbenzene	ug/L	< 0.36	1.0	05/27/21 17:34	
Benzene	ug/L	< 0.30	1.0	05/27/21 17:34	
Ethylbenzene	ug/L	< 0.33	1.0	05/27/21 17:34	
m&p-Xylene	ug/L	< 0.70	2.0	05/27/21 17:34	
o-Xylene	ug/L	< 0.35	1.0	05/27/21 17:34	
Toluene	ug/L	< 0.29	1.0	05/27/21 17:34	
Xylene (Total)	ug/L	<1.0	3.0	05/27/21 17:34	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	05/27/21 17:34	
4-Bromofluorobenzene (S)	%	101	70-130	05/27/21 17:34	
Toluene-d8 (S)	%	100	70-130	05/27/21 17:34	

LABORATORY CONTROL SAMPLE	: 2230147	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	57.8	116	70-132	
Ethylbenzene	ug/L	50	61.5	123	80-123	
m&p-Xylene	ug/L	100	120	120	70-130	
o-Xylene	ug/L	50	58.7	117	70-130	
Toluene	ug/L	50	57.1	114	80-121	
Xylene (Total)	ug/L	150	179	119	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SP	IKE DUPLIC	CATE: 2230	310		2230311							· ·
			MS	MSD								
	4	0227535021	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	<0.30	50	50	54.6	58.7	109	117	70-132	7	20	
Ethylbenzene	ug/L	< 0.33	50	50	57.1	63.0	114	126	80-123	10	20	M1
m&p-Xylene	ug/L	< 0.70	100	100	113	124	113	124	70-130	9	20	
o-Xylene	ug/L	< 0.35	50	50	55.2	61.2	110	122	70-130	10	20	
Toluene	ug/L	<0.29	50	50	53.5	58.6	107	117	80-121	9	20	
Xylene (Total)	ug/L	<1.0	150	150	168	185	112	124	70-130	10	20	
1,2-Dichlorobenzene-d4 (S)	%						101	98	70-130			
4-Bromofluorobenzene (S)	%						106	104	70-130			

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



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

QUALITY CONTROL DATA

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2230310 2230311

> MS MSD

40227535021 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec RPD RPD Qual Result Limits Toluene-d8 (S) % 97 70-130

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



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

QC Batch: 386717 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227545001, 40227545002

METHOD BLANK: 2231609 Matrix: Water

Associated Lab Samples: 40227545001, 40227545002

,					
		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1-Methylnaphthalene		<0.0059	0.030	06/01/21 08:36	
2-Methylnaphthalene	ug/L	< 0.0049	0.024	06/01/21 08:36	
Acenaphthene	ug/L	< 0.0061	0.030	06/01/21 08:36	
Acenaphthylene	ug/L	< 0.0050	0.025	06/01/21 08:36	
Anthracene	ug/L	< 0.010	0.052	06/01/21 08:36	
Benzo(a)anthracene	ug/L	< 0.0076	0.038	06/01/21 08:36	
Benzo(a)pyrene	ug/L	< 0.011	0.053	06/01/21 08:36	
Benzo(b)fluoranthene	ug/L	< 0.0057	0.029	06/01/21 08:36	
Benzo(g,h,i)perylene	ug/L	< 0.0068	0.034	06/01/21 08:36	
Benzo(k)fluoranthene	ug/L	< 0.0076	0.038	06/01/21 08:36	
Chrysene	ug/L	< 0.013	0.065	06/01/21 08:36	
Dibenz(a,h)anthracene	ug/L	< 0.010	0.050	06/01/21 08:36	
Fluoranthene	ug/L	< 0.011	0.053	06/01/21 08:36	
Fluorene	ug/L	<0.0080	0.040	06/01/21 08:36	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	06/01/21 08:36	
Naphthalene	ug/L	<0.018	0.092	06/01/21 08:36	
Phenanthrene	ug/L	< 0.014	0.069	06/01/21 08:36	
Pyrene	ug/L	< 0.0076	0.038	06/01/21 08:36	
2-Fluorobiphenyl (S)	%	54	39-120	06/01/21 08:36	
Terphenyl-d14 (S)	%	85	10-159	06/01/21 08:36	

LABORATORY CONTROL SAMPLE:	2231610					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1-Methylnaphthalene	ug/L		1.5	74	37-120	
2-Methylnaphthalene	ug/L	2	1.5	74	38-120	
Acenaphthene	ug/L	2	1.4	72	49-120	
Acenaphthylene	ug/L	2	1.4	71	43-85	
Anthracene	ug/L	2	1.3	67	57-110	
Benzo(a)anthracene	ug/L	2	1.5	73	47-118	
Benzo(a)pyrene	ug/L	2	1.6	78	70-120	
Benzo(b)fluoranthene	ug/L	2	1.5	75	54-97	
Benzo(g,h,i)perylene	ug/L	2	0.59	29	26-74	
Benzo(k)fluoranthene	ug/L	2	1.7	85	73-126	
Chrysene	ug/L	2	1.8	89	75-151	
Dibenz(a,h)anthracene	ug/L	2	0.45	22	13-72	
Fluoranthene	ug/L	2	1.7	85	63-120	
Fluorene	ug/L	2	1.5	74	53-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.2	62	51-101	

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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

LABORATORY CONTROL CAMPLE. 202464

LABORATORY CONTROL SAMPLE:	2231610	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Naphthalene	ug/L		1.5	73	41-120	
Phenanthrene	ug/L	2	1.6	79	47-100	
Pyrene	ug/L	2	1.7	86	70-128	
2-Fluorobiphenyl (S)	%			72	39-120	
Terphenyl-d14 (S)	%			106	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2231611				2231612							
		MS	MSD								
	40227690005	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter Un	ts Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
1-Methylnaphthalene ug	/L <0.0054	1.9	1.9	1.0	0.98	56	53	16-120	7	28	
2-Methylnaphthalene ug	/L <0.0045	1.9	1.9	1.1	0.98	56	53	29-120	7	31	
Acenaphthene ug	/L <0.0056	1.9	1.9	1.1	1.0	57	55	33-120	5	30	
Acenaphthylene ug		1.9	1.9	1.1	0.98	56	53	21-85	8	26	
Anthracene ug	/L <0.0096	1.9	1.9	1.2	1.1	64	57	16-114	13	36	
Benzo(a)anthracene ug	/L <0.0069	1.9	1.9	1.1	1.0	60	56	10-118	8	35	
Benzo(a)pyrene ug	/L <0.0097	1.9	1.9	1.1	0.99	58	54	10-120	9	37	
Benzo(b)fluoranthene ug	/L <0.0053	1.9	1.9	1.1	1.0	57	55	10-97	6	36	
Benzo(g,h,i)perylene ug	/L <0.0062	1.9	1.9	0.42	0.39	22	21	10-74	5	45	
Benzo(k)fluoranthene ug	/L <0.0069	1.9	1.9	1.1	0.97	57	53	10-126	9	41	
Chrysene ug		1.9	1.9	1.3	1.2	71	67	10-161	9	30	
Dibenz(a,h)anthracene ug	/L <0.0092	1.9	1.9	0.42	0.40	22	21	10-72	5	50	
Fluoranthene ug	/L <0.0098	1.9	1.9	1.3	1.2	68	64	35-120	8	33	
Fluorene ug	/L <0.0073	1.9	1.9	1.1	1.1	59	58	17-120	3	33	
Indeno(1,2,3-cd)pyrene ug	/L <0.016	1.9	1.9	0.74	0.68	39	37	10-101	9	41	
Naphthalene ug		1.9	1.9	1.0	0.93	55	50	24-120	11	30	
Phenanthrene ug	/L <0.013	1.9	1.9	1.2	1.2	64	62	15-100	5	30	
Pyrene ug	/L <0.0070	1.9	1.9	1.4	1.3	72	68	14-137	8	31	
2-Fluorobiphenyl (S)						57	61	39-120			
Terphenyl-d14 (S) %)					80	78	10-159			

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.



Analysis Method:

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

QC Batch: 387453
QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

EPA 300.0

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227545001, 40227545002

METHOD BLANK: 2234911 Matrix: Water

Associated Lab Samples: 40227545001, 40227545002

Blank Reporting
Parameter Units Result Limit

Parameter Units Result Limit Analyzed Qualifiers

Sulfate mg/L <0.44 2.0 06/09/21 09:59

LABORATORY CONTROL SAMPLE: 2234912

Spike LCS LCS % Rec
Parameter Units Conc. Result % Rec Limits Qualifiers

Sulfate mg/L 20 18.4 92 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234913 2234914

MS MSD

40227539010 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Result Result % Rec **RPD** RPD Result Conc. % Rec Limits Qual Sulfate mg/L 138 200 200 350 350 106 106 90-110 0 15

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234915 2234916

MS MSD 40227543003 MS MSD MS MSD % Rec Spike Spike Max RPD RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Sulfate 100 46.5 100 151 149 105 103 15 mg/L 90-110

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.



EPA 353.2

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

QC Batch: 387271 Analysis Method:

QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227545001, 40227545002

METHOD BLANK: 2234149 Matrix: Water

Associated Lab Samples: 40227545001, 40227545002

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Nitrogen, NO2 plus NO3 mg/L <0.059 0.25 06/07/21 13:05

LABORATORY CONTROL SAMPLE: 2234150

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units Nitrogen, NO2 plus NO3 2.5 2.6 103 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234151 2234152

MSD MS 40227543003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Result **RPD** RPD Result Conc. Conc. % Rec % Rec Limits Qual Nitrogen, NO2 plus NO3 20 M0 mg/L < 0.059 2.5 2.5 2.1 2.1 86 85 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234153 2234154

MS MSD 50288421004 MS MSD MS MSD % Rec Spike Spike Max **RPD** RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Nitrogen, NO2 plus NO3 9.2 2.5 96 2.5 11.6 11.6 97 0 20 mg/L 90-110

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.



QUALIFIERS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 06/10/2021 04:12 PM

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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227545

Date: 06/10/2021 04:12 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40227545001	052521020	EPA 8015B Modified	387029		
40227545002	052521021	EPA 8015B Modified	387029		
40227545001	052521020	EPA 3010	386743	EPA 6020	386850
40227545002	052521021	EPA 3010	386743	EPA 6020	386850
40227545001	052521020	EPA 7470	387040	EPA 7470	387083
40227545002	052521021	EPA 7470	387040	EPA 7470	387083
40227545001	052521020	EPA 3510	386717	EPA 8270E by SIM	386724
40227545002	052521021	EPA 3510	386717	EPA 8270E by SIM	386724
40227545001	052521020	EPA 8260	386490		
40227545002	052521021	EPA 8260	386492		
40227545001	052521020	EPA 300.0	387453		
40227545002	052521021	EPA 300.0	387453		
40227545001	052521020	EPA 353.2	387271		
40227545002	052521021	EPA 353.2	387271		

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Section A

DROPOFF AT PACE

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. A 1 HMB 5/26/21

SAMPLE ID One Character per box. (A.2, 0.91, -) Sample lds must be unique OS252 0 3 M7 G	
Minimarkow, Wil 53004 Minimarkow, Wil 53000 Minimarkow, Wil 53004 Minimarkow, Wil 53000 Mini	Residual Chlorine (Y/N) M
Property	Residual Chlorine (Y/N) M
Phone	Residual Chlorine (Y/N) M
Page Project Manager Project # Page Project # Page Project Manager Project # Project # Page Project Manager Project # Pr	Residual Chlorine (Y/N)
SAMPLE ID One Character per box. (A.2, 0.91, -) Sample lds must be unique OS252 0 3 M7 G	Residual Chlorine (Y/N)
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Melals-As, By Cd. Cr. Ph. Hg, Sc Ag Fem.	
13,5-Trinothylhousene	
SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Wate Pada	0 6
SIGNATURE of SAMPLER: DATE Signed: 5-26-21	Received e (Y/N) Custody ealed cooler (Y/N) Mamples

Sample Preservation Receipt Form
Project # Pace Analytical Services, LLC Client Name: 2011/001 1241 Bellevue Street, Suite 9 Green Bay, WI 54302 All containers needing preservation have been checked and noted below: ★Yes □No □N/A Initial when v Date/ Lab Lot# of pH paper: 100360 Lab Std #ID of preservation (if pH adjusted): completed: VaOH+Zn Act pH ≥9 'OA Vials (>6mm) Glass Plastic Vials after adjusted Jars General 12SO4 pH ≤2 laOH pH ≥12 Volume 4NO3 pH <2 AG10 BG10 AG1H AG40 **AG5U** AG2S **BG3U** BP1U WGFU **BP3U BP3B** BP3N WPFU VG9M (mL) **BP3S** DG9T VG9U VG9H VG9D JGFU JGBU Pace ZPLC **SP5T** Lab # S S S 001 7 6 X 2.5/5/10 002 6 003 2.5 / 5 / 10 004 2.5/5/10 2.5/5/10 005 2.5 / 5 / 10 006 2.5 / 5 / 10 007 2.5 / 5 / 10 008 2.5 / 5 / 10 009 2.5 / 5 / 10 010 011 2.5 / 5 / 10 2.5 / 5 / 10 012 2.5/5/10 013 2.5 / 5 / 10 014 2.5/5/10 015 2.5 / 5 / 10 016 2,5/5/10 017 2.5 / 5 / 10 018 2.5/5/10 019 2.5 / 5 / 10 020 25/5/10 Exceptions to preservation check: Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _Headspace in VOA Vials (>6mm): □Yes → □ □N/A *If yes look in headspace column AG1U 1 liter amber glass BP1U 1 liter plastic unpres VG9A 40 mL clear ascorbic **JGFU** 4 oz amber jar unpres BG1U 1 liter clear glass BP3U 250 mL plastic unpres DG9T 40 mL amber Na Thio JG9U 9 oz amber jar unpres AG1H 1 liter amber glass HCL BP3B 250 mL plastic NaOH VG9U 40 mL clear vial unpres WGFU AG4S 125 mL amber glass H2SO4 4 oz clear jar unpres BP3N 250 mL plastic HNO3 VG9H 40 mL clear vial HCL 4 oz plastic jar unpres **WPFU** AG4U 120 mL amber glass unpres

VG9M

VG9D

40 mL clear vial MeOH

40 mL clear vial DI

AG5U 100 mL amber glass unpres

AG2S 500 mL amber glass H2SO4

BG3U 250 mL clear glass unpres

BP3S

250 mL plastic H2SO4

120 mL plastic Na Thiosulfate

ziploc bag

SP5T

ZPLC

GN

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302

Document Name:

Sample Condition Upon Receipt (SCUR)

Document No.: ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020

Author:

Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Lambol		Project	#:	
			MO# ·	40227545
Courier: CS Logistics Fed Ex		Valtco	MOH ·	TUZZI 343
1_, 1 doc 0()	er:			
Tracking #:			4022 75 45	
Custody Seal on Cooler/Box Present:			L	
Custody Seal on Samples Present: Packing Material: Bubble Wrap	yes no Seals intac	t: 「yes 「no		
Thermometer Used SR - 10	Bubble Bags Nor	e Dother		
	Type of Ice: Wet	Blue Dry None	Samples	on ice, cooling process has begun
Temp Blank Present: Yes no		Tissue is Frozen:	-	Person examining contents:
Temp should be above freezing to 6°C.		rissue is riozen:	i yesi no	Date: S U / /Initials:
Biota Samples may be received at ≤ 0°C if shipp	ed on Dry Ice.			Labeled By Initials:
Chain of Custody Present:	Des □No □N/A	1.		
Chain of Custody Filled Out:	Yes □No □N/A	2.		
Chain of Custody Relinquished:	Yes □No □N/A			
Sampler Name & Signature on COC:	Pres □No □N/A			
Samples Arrived within Hold Time:	Dayes □No			
- VOA Samples frozen upon receipt		5.		
short Hold Time Analysis (<72hr):		Date/Time:		
	Yes □No	6.		
dush Turn Around Time Requested:	☐Yes SNo	7.		
Sufficient Volume:		8.		
	S/MSD: 🗆 Yes 🗀 🗸 🗆 N/A			
orrect Containers Used:	Se □No	9.		
-Pace Containers Used:	≯⊠Yes □No □N/A			
-Pace IR Containers Used:	□Yes □No □MA			
ontainers Intact:	Ø≪es □No	10.		
Itered volume received for Dissolved tests	□Yes □No 🖼 NA	11.		
ample Labels match COC:	₩Yes □No □N/A			
-Includes date/time/ID/Analysis Matri	1 1			
ip Blank Present:	□Yes XÎNo □N/A	13		
ip Blank Custody Seals Present	□Yes □No DANIA			
ace Trip Blank Lot # (if purchased):	2100 2110 21117			
ient Notification/ Resolution:		If o	checked, see attach	ed form for additional comments
Person Contacted: Comments/ Resolution:	Date/T	ime:		
John Chia/ Nesolution.				
			-	



Wisconsin Public Service Corporation

700 North Adams Street P.O. Box 19001 Green Bay, WI 54307-9001

www.wisconsinpublicservice.com

July 27, 2021

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 results of groundwater samples collected as part of routine monitoring (MW414, MW415A, MW415B, MW416) collected in May of 2021, as part of site characterization. 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 includes summary tables of the results compared to State standards. Copies of the relevant portions of the associated laboratory reports and a figure showing the locations of samples 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

mor Nomina.

WEC Business Services - Environmental Dept.

Enc: Figure 1. Associated Bank

Table 1. May 2021 Groundwater Analytical Results for Associated Bank

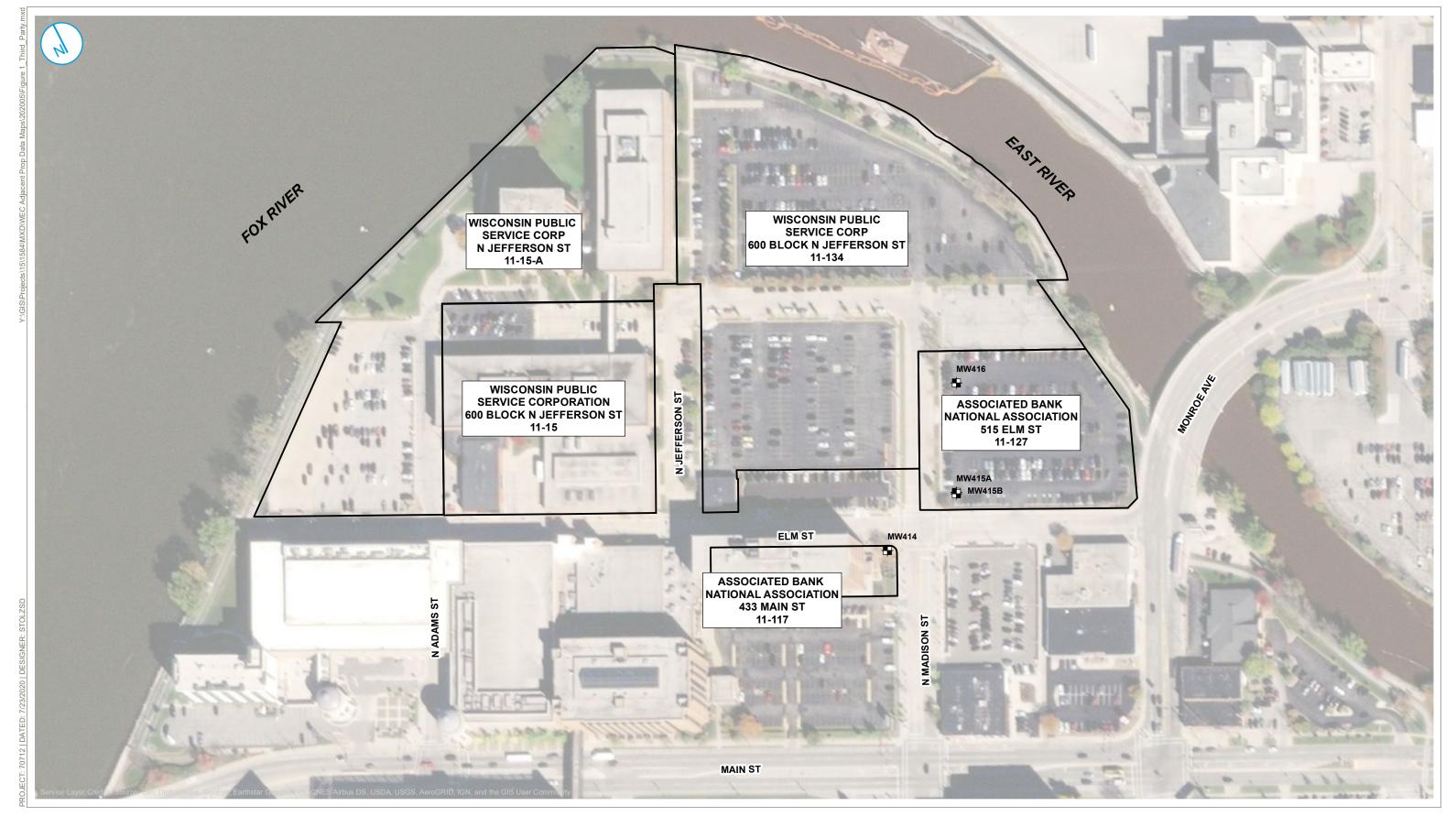
Laboratory Report – 40227542 frc

Ms. Hazuka Associated Bank July 27, 2021 Page 2

CC: Project File

USEPA RPM – Sarah Rolfes (via email)
WDNR PM – Sarah Krueger (via US Mail and email)
WDNR Northeast Region (via email to DNRRRNER@wisconsin.gov)
Ms. Staci Goetz, Ramboll (via email)

FIGURES



MONITORING WELL LOCATION PROPERTY LINE

ASSOCIATED BANK BRRTS# 02-05-000254 FIGURE 01

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

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



TABLES

Table 1. May 2021 Groundwater Analytical Results for Associated Bank

June 2021 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	PVOC	PVOC	PVOC	PVOC	PVOC	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
9-digit Code	Sample Location	Sample Date	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total ¹	Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	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	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
	Re	eporting Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
			Result Flag	Result Flag	Result Fla	g Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Fla	g Result Flag	Result Flag	Result Flag	Result Flag	Result Fla	g Result Fla	g Result Fla	ag Result Flag	Result Fla	g Result Flag	g Result Fla	ng Result Fla	g Result Fla	g Result Flag	Result Fla	g Result Flag	Result Flag
										***			1		***					1				1		1	400		
		oundwater ES:	NS	NS	480	5	700	800	NS	NS	2,000	NS	NS	NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
	WI Gro	undwater PAL:	<u>NS</u>	<u>NS</u>	<u>96</u>	<u>0.5</u>	<u>140</u>	<u>160</u>	<u>NS</u>	<u>NS</u>	<u>400</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>600</u>	<u>NS</u>	0.02	0.02	<u>NS</u>	<u>NS</u>	0.02	<u>NS</u>	<u>80</u>	<u>80</u>	<u>NS</u>	<u>10</u>	<u>NS</u>	<u>50</u>
	1					<u> </u>		1		1			1		1		· 	1		1		<u> </u>		<u> </u>	1	1		<u> </u>	
052521016	MW-416	05/25/2021	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.0068 J	0.0044 U	0.0054 U	0.0044 U	0.0093 U	0.0087 J	0.010 J	0.030	0.020 J	0.012 J	<u>0.027</u> J	0.0089 U	0.048	0.0071 U	0.016 J	0.016 U	0.017 J	0.037
052521017	MW-415A	05/25/2021	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.0081 J	0.0063 J	0.0061 U	0.017 J	0.010 U	0.037 J	0.058	0.13	0.079	0.064	0.12	0.011 J	0.20	0.0096 J	0.065 J	0.027 J	0.083	0.15
052521018	MW-415B	05/25/2021	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.0061 U	0.0051 U	0.0063 U	0.0052 U	0.011 U	0.011 J	0.014 J	0.037	0.026 J	0.013 J	<u>0.031</u> J	0.010 U	0.056	0.0083 U	0.019 J	0.019 U	0.019 J	0.042
052521019	MW-414	05/25/2021	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.0057 U	0.0048 U	0.0059 U	0.0048 U	0.010 U	0.0073 U	0.010 U	0.012 J	J 0.0066 U	0.0073 U	0.013 U	0.0097 U	J 0.023 J	0.0077 U	0.017 U	0.018 U	0.013 U	0.017 J

Sorted by 9-digit Code

Bold	attains or exceeds the WI Groundwater ES
<u>Underline</u>	attains or exceeds the WI Groundwater PAL

Results & Flags:

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

J = Estimated Concentration

U = Concentration was not detected above the reported limit

Acronyms:

 $\mu g/L$ = micrograms per liter

BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))

ES = Enforcement Standard

NO2 + NO3 = nitrite plus nitrate

NS = No Standard

PAH = Polycyclic Aromatic Hydrocarbon

PAL = Preventive Action Limit

PVOC = Petroleum Volatile Organic Compound

USEPA = United States Environmental Protection Agency

VOC = Volatile Organic Compound

WI = Wisconsin

<u>Superscripts</u>:

1. Total Trimethylbenzenes were calculated by Ramboll as follows:

- a. Where no detections were observed, the sum of the reporting limits is presented.
- b. Where detections were observed, only the detected results were added together for the total summation.
- c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Screening Levels:

 $PAL\ and\ ES\ from\ WI\ Administrative\ Code\ NR\ 140\ groundwater\ quality\ standard\ revised\ effective\ January\ 2020.$

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

Table 1. May 2021 Groundwater Analytical Results for Associated Bank

June 2021 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

		[Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Inorganic	Inorganic	Organic	Field	Field	Field	Field	Field	Field	Field
9-digit Code	Sample Location	Sample Date	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Iron, Total	Lead, Total	Manganese, Total	Mercury, Total	Selenium, Total	Silver, Total	Nitrogen, NO2 + NO3, Total	Sulfate, Total	Methane	Dissolved oxygen	Groundwater, depth to	Oxidation Reduction Potential	pH, Field	Specific Conductance, Field	Temperature, Water	Turbidity, Quantitative
	R	eporting Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	mg/L	feet	millivolts	s.u.	μS/cm	Deg C	NTUs
			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 Fla	g Result Flag	Result Flag	g Result Flag
					_					_												
	WI Gr	oundwater ES:	10	2,000	5	100	300	15	300	2	50	50	10,000	250,000	NS	NS	NS	NS	NS	NS	NS	NS
	WI Gro	undwater PAL:	<u>1</u>	<u>400</u>	<u>0.5</u>	<u>10</u>	<u>150</u>	<u>1.5</u>	<u>60</u>	<u>0.2</u>	<u>10</u>	<u>10</u>	<u>2,000</u>	<u>125,000</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>	<u>NS</u>
	_	T				- I	- 1	T						•			· T	·	ı	<u> </u>	- I	
052521016	MW-416	05/25/2021	5.6* U	233	3.0* U	20.4* U	<u>5,900</u>	4.7* U	2,060	0.066 U	6.3 U	2.5 U	59 U	322,000	21.3	0.34	3.21	24.3	6.46	24783.7	19.07	0.00
052521017	MW-415A	05/25/2021	0.56 U	106	0.30 U	2.0 U	116 U	0.47 U	4.7 J	0.066 U	0.63 U	0.25 U	190 J	253,000	0.58 U	0.31	2.97	99.0	6.82	5974.2	18.95	58.08
052521018	MW-415B	05/25/2021	0.56 U	22.2	0.30 U	2.0 U	116 U	0.47 U	2.4 U	0.066 U	0.63 U	0.25 U	250	1,620,000	0.58 U	2.29	6.14	99.2	7.44	2422.4	17.24	0.00
052521019	MW-414	05/25/2021	1.4* U	279	0.76* U	5.1 U	290* U	1.2 U	116	0.066 U	1.6 U	0.64 U	470	104,000	2.6 J	0.51	4.66	122.2	7.03	8445.1	16.93	0.00

[O:CMD 7/13/21, C:LDH 7/13/2021, C:SJM 7/14/21]

Sorted by 9-digit Code

Bold attains or exceeds the WI Groundwater ES <u>Underline</u> attains or exceeds the WI Groundwater PAL

Results & Flags:

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

J = Estimated Concentration

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BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))

ES = Enforcement Standard NO2 + NO3 = nitrite plus nitrate

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PAH = Polycyclic Aromatic Hydrocarbon

PAL = Preventive Action Limit

PVOC = Petroleum Volatile Organic Compound

USEPA = United States Environmental Protection Agency

VOC = Volatile Organic Compound

WI = Wisconsin

Superscripts:

Total Trimethylbenzenes were calculated by Ramboll as follows:

- a. Where no detections were observed, the sum of the reporting limits is presented.
- b. Where detections were observed, only the detected results were added together for the total summation.
- c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Screening Levels:

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020.

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







June 10, 2021

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

RE: Project: 70712 GREEN BAY MGP Pace Project No.: 40227542

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

Pace Analytical Services - Green Bay

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

Sincerely,

Brian Basten

brian.basten@pacelabs.com

(920)469-2436

Project Manager

Enclosures

cc: Phil Brochocki, Ramboll NRT Data, Ramboll

Eric Hritsuk, OBG

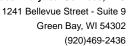
Robert Paulson, We Energies

Kyle Schaefer, Ramboll Americas

Dan Vachon, O'Brien & Gere Engineers, Inc Integrys WI

Steve Wiskes, Ramboll







CERTIFICATIONS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Pace Analytical Services Green Bay

North Dakota Certification #: R-150

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 Virginia VELAP ID: 460263

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0

(920)469-2436



SAMPLE SUMMARY

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227542001	052521016	Water	05/25/21 13:03	05/26/21 10:42
40227542002	052521017	Water	05/25/21 13:39	05/26/21 10:42
40227542003	052521018	Water	05/25/21 14:08	05/26/21 10:42
40227542004	052521019	Water	05/25/21 14:59	05/26/21 10:42



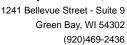
SAMPLE ANALYTE COUNT

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Lab ID	Sample ID	Method	Analysts	Analytes Reported	
40227542001	052521016	EPA 8015B Modified	ALD	1	
		EPA 6020	KXS	9	
		EPA 7470	AJT	1	
		EPA 8270E by SIM	JJB	20	
		EPA 8260	LAP	11	
		EPA 300.0	HMB	1	
		EPA 353.2	DAW	1	
40227542002	052521017	EPA 8015B Modified	ALD	1	
		EPA 6020	KXS	9	
		EPA 7470	AJT	1	
		EPA 8270E by SIM	JJB	20	
		EPA 8260	LAP	11	
		EPA 300.0	HMB	1	
		EPA 353.2	DAW	1	
40227542003	052521018	EPA 8015B Modified	ALD	1	
		EPA 6020	KXS	9	
		EPA 7470	AJT	1	
		EPA 8270E by SIM	JJB	20	
		EPA 8260	LAP	11	
		EPA 300.0	HMB	1	
		EPA 353.2	DAW	1	
40227542004	052521019	EPA 8015B Modified	ALD	1	
		EPA 6020	KXS	9	
		EPA 7470	AJT	1	
		EPA 8270E by SIM	JJB	20	
		EPA 8260	LAP	11	
		EPA 300.0	HMB	1	
		EPA 353.2	DAW	1	

PASI-G = Pace Analytical Services - Green Bay





PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 8015B Modified 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.

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.

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.

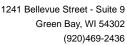
Laboratory Control Spike:

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:





PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 6020

Description: 6020 MET ICPMS

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 6020 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 3010 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.

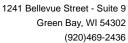
Additional Comments:

Analyte Comments:

QC Batch: 386501

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

- 052521016 (Lab ID: 40227542001)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 052521017 (Lab ID: 40227542002)
 - Silver
 - Arsenic





PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 6020

Description: 6020 MET ICPMS

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

Analyte Comments: QC Batch: 386501

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

- 052521017 (Lab ID: 40227542002)
 - Cadmium
 - Chromium
 - Iron
 - Manganese
 - Lead
 - Selenium
- 052521018 (Lab ID: 40227542003)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Iron
 - Manganese
 - Lead
 - Selenium
- 052521019 (Lab ID: 40227542004)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Iron
 - Lead
 - Selenium



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

PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 7470
Description: 7470 Mercury

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 7470 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 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:



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PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 8270E by SIM Description: 8270E MSSV PAH

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 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 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:



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PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 8260
Description: 8260 MSV UST

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

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

Hold Time:

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

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: 386492

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40227535021

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

- MSD (Lab ID: 2230311)
 - Ethylbenzene

Additional Comments:



Green Bay, WI 54302 (920)469-2436

PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 300.0

Description: 300.0 IC Anions

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 300.0 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.

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:

(920)469-2436



PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 353.2

Description: 353.2 Nitrogen, NO2/NO3 pres.

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 353.2 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.

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: 387271

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40227543003,50288421004

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

• MS (Lab ID: 2234151)

• Nitrogen, NO2 plus NO3

- MSD (Lab ID: 2234152)
 - Nitrogen, NO2 plus NO3

Additional Comments:

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



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Methane, Ethane, Ethene GCV Methane 6020 MET ICPMS Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver 7470 Mercury	Pace Anal 21.3 Analytical Pace Anal <5.6 233 <3.0 <20.4 5900 <4.7 2060 <6.3 <2.5	Units Method: EPA 86 lytical Services - ug/L Method: EPA 66 lytical Services - ug/L ug/L	- Green Bay 2.8 020 Prepara	0.58	1 1 20 20 20 20 20 20	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	Analyzed 06/03/21 09:14 06/03/21 01:03 06/03/21 01:03 06/03/21 01:03	7440-38-2 7440-39-3	Qual
Methane 6020 MET ICPMS Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	Pace Anal 21.3 Analytical Pace Anal <5.6 233 <3.0 <20.4 5900 <4.7 2060 <6.3 <2.5	ug/L Method: EPA 6/ lytical Services - ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 020 Prepara - Green Bay 20.0 46.6 20.0 68.0 5000	0.58 ation Metho 5.6 14.0 3.0 20.4	20 20 20 20	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:03 06/03/21 01:03	7440-38-2 7440-39-3	D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	21.3 Analytical Pace Anal <5.6 233 <3.0 <20.4 5900 <4.7 2060 <6.3 <2.5	ug/L Method: EPA 6/ lytical Services -/ ug/L	2.8 020 Prepara - Green Bay 20.0 46.6 20.0 68.0 5000	5.6 14.0 3.0 20.4	20 20 20 20	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:03 06/03/21 01:03	7440-38-2 7440-39-3	D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	Analytical Pace Anal <5.6 233 <3.0 <20.4 5900 <4.7 2060 <6.3 <2.5	Method: EPA 66 lytical Services of the ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	020 Prepara - Green Bay 20.0 46.6 20.0 68.0 5000	5.6 14.0 3.0 20.4	20 20 20 20	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:03 06/03/21 01:03	7440-38-2 7440-39-3	D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	Pace Anal <5.6 233 <3.0 <20.4 5900 <4.7 2060 <6.3 <2.5	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	20.0 46.6 20.0 68.0 5000	5.6 14.0 3.0 20.4	20 20 20	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:03	7440-39-3	D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	Pace Anal <5.6 233 <3.0 <20.4 5900 <4.7 2060 <6.3 <2.5	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	20.0 46.6 20.0 68.0 5000	5.6 14.0 3.0 20.4	20 20 20	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:03	7440-39-3	D3
Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	233 <3.0 <20.4 5900 <4.7 2060 <6.3 <2.5	ug/L ug/L ug/L ug/L ug/L ug/L	46.6 20.0 68.0 5000	14.0 3.0 20.4	20 20	05/27/21 05:51 05/27/21 05:51	06/03/21 01:03	7440-39-3	D3
Cadmium Chromium Iron Lead Manganese Selenium Silver	<3.0 <20.4 5900 <4.7 2060 <6.3 <2.5	ug/L ug/L ug/L ug/L ug/L	20.0 68.0 5000	3.0 20.4	20	05/27/21 05:51			
Chromium Iron Lead Manganese Selenium Silver	<20.4 5900 <4.7 2060 <6.3 <2.5	ug/L ug/L ug/L ug/L ug/L	68.0 5000	20.4			06/03/21 01:03	7440-43-9	
Iron Lead Manganese Selenium Silver	5900 <4.7 2060 <6.3 <2.5	ug/L ug/L ug/L ug/L	5000		20	05/07/04 05 54			D3
Iron Lead Manganese Selenium Silver	5900 <4.7 2060 <6.3 <2.5	ug/L ug/L ug/L	5000			05/27/21 05:51	06/03/21 01:03		D3
Lead Manganese Selenium Silver	<4.7 2060 <6.3 <2.5	ug/L ug/L		UOU	20	05/27/21 05:51	06/03/21 01:03		
Manganese Selenium Silver	2060 <6.3 <2.5	ug/L	_0.0	4.7	20	05/27/21 05:51	06/03/21 01:03		D3
Selenium Silver	<6.3 <2.5	ŭ	81.0	24.3	20	05/27/21 05:51	06/03/21 01:03		
Silver	<2.5	ug/ L	21.2	6.3	20	05/27/21 05:51			D3
7470 Mercury	Analytical	ug/L	10.0	2.5	20	05/27/21 05:51			D3
o moroury		Method: EPA 7	470 Prepara	ition Metho	nd: FPA	7470			
	•	ytical Services	•		, <u> </u>				
Mercury	<0.066	ug/L	0.20	0.066	1	06/03/21 10:45	06/04/21 08:41	7439-97-6	
8270E MSSV PAH	Analytical	Method: EPA 8	270F by SIM	Preparat	ion Met	hod: FPA 3510			
ozroz moov ran	-	ytical Services	-	rioparat	.011 14101	1100. 217.0010			
Acenaphthene	<0.0054	ug/L	0.027	0.0054	1	05/28/21 13:25	06/01/21 19:02	83-32-9	
Acenaphthylene	< 0.0044	ug/L	0.022	0.0044	1	05/28/21 13:25	06/01/21 19:02	208-96-8	
Anthracene	< 0.0093	ug/L	0.047	0.0093	1	05/28/21 13:25	06/01/21 19:02	120-12-7	
Benzo(a)anthracene	0.0087J	ug/L	0.034	0.0067	1	05/28/21 13:25	06/01/21 19:02	56-55-3	
Benzo(a)pyrene	0.010J	ug/L	0.047	0.0094	1	05/28/21 13:25	06/01/21 19:02	50-32-8	
Benzo(b)fluoranthene	0.030	ug/L	0.026	0.0051	1	05/28/21 13:25	06/01/21 19:02	205-99-2	
Benzo(g,h,i)perylene	0.020J	ug/L	0.030	0.0061	1	05/28/21 13:25	06/01/21 19:02	191-24-2	
Benzo(k)fluoranthene	0.012J	ug/L	0.034	0.0067	1	05/28/21 13:25	06/01/21 19:02	207-08-9	
Chrysene	0.027J	ug/L	0.058	0.012	1	05/28/21 13:25	06/01/21 19:02	218-01-9	
Dibenz(a,h)anthracene	< 0.0089	ug/L	0.045	0.0089	1	05/28/21 13:25	06/01/21 19:02	53-70-3	
Fluoranthene	0.048	ug/L	0.048	0.0095	1	05/28/21 13:25	06/01/21 19:02	206-44-0	
Fluorene	< 0.0071	ug/L	0.036	0.0071	1	05/28/21 13:25	06/01/21 19:02	86-73-7	
Indeno(1,2,3-cd)pyrene	0.016J	ug/L	0.079	0.016	1	05/28/21 13:25	06/01/21 19:02		
1-Methylnaphthalene	0.0068J	ug/L	0.026	0.0053	1	05/28/21 13:25	06/01/21 19:02		
2-Methylnaphthalene	< 0.0044	ug/L	0.022	0.0044	1	05/28/21 13:25			
Naphthalene	<0.016	ug/L	0.082	0.016	1		06/01/21 19:02		
Phenanthrene	0.017J	ug/L	0.062	0.012	1		06/01/21 19:02		
Pyrene	0.037	ug/L	0.034	0.0068	1		06/01/21 19:02		
Surrogates	0.00.	~ ₃ , -	0.001	0.0000	•	23,23,21 10.20	25,0.,21 10.02		
2-Fluorobiphenyl (S)	46	%	39-120		1	05/28/21 13:25	06/01/21 19:02	321-60-8	
Terphenyl-d14 (S)	67	%	10-159		1		06/01/21 19:02		
8260 MSV UST	Analytical	Method: EPA 8	260						
	•	ytical Services							
Benzene	<0.30	ug/L	1.0	0.30	1		05/28/21 01:06	71-43-2	



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Sample: 052521016	Lab ID:	40227542001	Collected:	05/25/21	13:03	Received: 05/	26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
	Pace Anal	ytical Services	Green Bay						
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/28/21 01:06	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/28/21 01:06	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/28/21 01:06	95-63-6	
1,3,5-Trimethylbenzene	< 0.36	ug/L	1.0	0.36	1		05/28/21 01:06	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/28/21 01:06	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/28/21 01:06	179601-23-1	
o-Xylene	< 0.35	ug/L	1.0	0.35	1		05/28/21 01:06	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		05/28/21 01:06	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		05/28/21 01:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/28/21 01:06	2199-69-1	
300.0 IC Anions	Analytical	Method: EPA 3	nn n						
300.0 IC Allions	,	ytical Services							
	Face Alla	ylicai Services	Gleen bay						
Sulfate	322	mg/L	40.0	8.9	20		06/10/21 02:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical	Method: EPA 3	53.2						
	Pace Anal	ytical Services	Green Bay						
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		06/07/21 13:10		
Millogen, NO2 plus NO3	<0.039	IIIg/L	0.23	0.059	1		00/07/21 13.10		
Sample: 052521017	Lab ID:	40227542002	Collected:	05/25/21	13:39	Received: 05/	/26/21 10:42 Ma	atrix: Water	
-									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	•	Method: EPA 8	015B Modifie	ed					
		ylicai Services	Green Bay						
Methane	<0.58	ug/L	- Green Bay 2.8	0.58	1		06/03/21 09:21	74-82-8	
	<0.58	ug/L	2.8	0.58		x 3010	06/03/21 09:21	74-82-8	
Methane 6020 MET ICPMS	<0.58 Analytical	ug/L Method: EPA 6	2.8 020 Prepara	0.58		x 3010	06/03/21 09:21	74-82-8	
6020 MET ICPMS	<0.58 Analytical Pace Anal	ug/L	2.8 020 Prepara Green Bay	0.58 tion Metho	od: EPA				
6020 MET ICPMS Arsenic	<0.58 Analytical Pace Anal <0.56	ug/L Method: EPA 60 ytical Services - ug/L	2.8 D20 Prepara Green Bay 2.0	0.58 ition Metho 0.56	od: EPA	05/27/21 05:51	06/03/21 01:10	7440-38-2	D3
6020 MET ICPMS Arsenic Barium	<0.58 Analytical Pace Anal <0.56 106	ug/L Method: EPA 60 ytical Services - ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7	0.58 tion Metho 0.56 1.4	od: EPA 2 2	05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3	
6020 MET ICPMS Arsenic Barium Cadmium	<0.58 Analytical Pace Anal <0.56 106 <0.30	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L	2.8 020 Prepara Green Bay 2.0 4.7 2.0	0.58 tion Metho 0.56 1.4 0.30	2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9	D3
Arsenic Barium Cadmium Chromium	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 020 Prepara Green Bay 2.0 4.7 2.0 6.8	0.58 tion Metho 0.56 1.4 0.30 2.0	2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3	D3 D3
Arsenic Barium Cadmium Chromium Iron	<0.58 Analytical Pace Anal <0.56	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500	0.58 tion Metho 0.56 1.4 0.30 2.0 116	2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6	D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead	<0.58 Analytical Pace Anal <0.56	ug/L Method: EPA 60 ytical Services of ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 020 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0	0.58 tion Metho 0.56 1.4 0.30 2.0 116 0.47	2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1	D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese	<0.58 Analytical Pace Analytical Pace Analytical 106 <0.30 <2.0 <116 <0.47 4.7J	ug/L Method: EPA 60 ytical Services of ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1	0.58 tion Metho 0.56 1.4 0.30 2.0 116 0.47 2.4	2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5	D3 D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium	<0.58 Analytical Pace Analytical Pace Analytical 106 <0.30 <2.0 <116 <0.47 4.7J <0.63	ug/L Method: EPA 60 ytical Services of ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1 2.1	0.58 tition Methol 0.56 1.4 0.30 2.0 116 0.47 2.4 0.63	2 2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium	<0.58 Analytical Pace Analytical Pace Analytical 106 <0.30 <2.0 <116 <0.47 4.7J	ug/L Method: EPA 60 ytical Services of ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1	0.58 tion Metho 0.56 1.4 0.30 2.0 116 0.47 2.4	2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47 4.7J <0.63 <0.25	ug/L Method: EPA 60 ytical Services ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1 2.1 1.0	0.58 ution Method 0.56 1.4 0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47 4.7J <0.63 <0.25 Analytical	ug/L Method: EPA 6t ytical Services - ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1 2.1 1.0	0.58 ution Method 0.56 1.4 0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47 4.7J <0.63 <0.25 Analytical	ug/L Method: EPA 60 ytical Services ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1 2.1 1.0	0.58 ution Method 0.56 1.4 0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2 7440-22-4	D3 D3 D3 D3 D3 D3



Date: 06/10/2021 04:11 PM

ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542 Lab ID: 40227542002 Collected: 05/25/21 13:39 Received: 05/26/21 10:42 Sample: 052521017 Matrix: Water LOQ LOD DF **Parameters** Results Units Prepared CAS No. Analyzed Qual Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 8270E MSSV PAH Pace Analytical Services - Green Bay Acenaphthene <0.0061 ug/L 0.030 0.0061 05/28/21 13:25 06/02/21 09:30 83-32-9 1 0.0050 Acenaphthylene 0.017J ug/L 0.025 1 05/28/21 13:25 06/02/21 09:30 208-96-8 Anthracene <0.010 ug/L 0.052 0.010 1 05/28/21 13:25 06/02/21 09:30 120-12-7 05/28/21 13:25 Benzo(a)anthracene 0.037J ug/L 0.038 0.0076 1 06/02/21 09:30 56-55-3 Benzo(a)pyrene 0.058 ug/L 0.053 0.011 05/28/21 13:25 06/02/21 09:30 50-32-8 1 Benzo(b)fluoranthene 0.13 ug/L 0.029 0.0057 05/28/21 13:25 06/02/21 09:30 205-99-2 1 Benzo(g,h,i)perylene 0.079 ug/L 0.034 0.0068 1 05/28/21 13:25 06/02/21 09:30 191-24-2 06/02/21 09:30 207-08-9 Benzo(k)fluoranthene 0.064 ug/L 0.038 0.0076 1 05/28/21 13:25 06/02/21 09:30 218-01-9 Chrysene 0.12 ug/L 0.065 0.013 1 05/28/21 13:25 Dibenz(a,h)anthracene 0.011J ug/L 0.050 0.010 1 05/28/21 13:25 06/02/21 09:30 53-70-3 Fluoranthene 0.20 ug/L 0.053 0.011 05/28/21 13:25 06/02/21 09:30 206-44-0 1 0.0096J 0.0080 06/02/21 09:30 86-73-7 Fluorene ug/L 0.040 1 05/28/21 13:25 0.065J 0.088 0.018 06/02/21 09:30 193-39-5 Indeno(1,2,3-cd)pyrene ug/L 05/28/21 13:25 1-Methylnaphthalene 0.0081J ug/L 0.030 0.0059 1 05/28/21 13:25 06/02/21 09:30 90-12-0 2-Methylnaphthalene 0.0063J ug/L 0.024 0.0049 1 05/28/21 13:25 06/02/21 09:30 91-57-6 0.027J 0.092 0.018 05/28/21 13:25 06/02/21 09:30 91-20-3 Naphthalene ug/L 1 Phenanthrene 0.083 0.069 0.014 05/28/21 13:25 06/02/21 09:30 85-01-8 ug/L 1 0.038 0.0076 05/28/21 13:25 06/02/21 09:30 129-00-0 Pyrene 0.15 1 ug/L Surrogates 2-Fluorobiphenyl (S) 50 % 39-120 1 05/28/21 13:25 06/02/21 09:30 321-60-8 Terphenyl-d14 (S) 83 % 10-159 05/28/21 13:25 06/02/21 09:30 1718-51-0 Analytical Method: EPA 8260 **8260 MSV UST** Pace Analytical Services - Green Bay Benzene <0.30 ug/L 1.0 0.30 1 05/28/21 01:26 71-43-2 Ethylbenzene < 0.33 ug/L 1.0 0.33 05/28/21 01:26 100-41-4 1 Toluene <0.29 ug/L 1.0 0.29 05/28/21 01:26 108-88-3 1 <0.45 0.45 1,2,4-Trimethylbenzene ug/L 1.0 1 05/28/21 01:26 95-63-6 1,3,5-Trimethylbenzene <0.36 ug/L 0.36 05/28/21 01:26 108-67-8 1.0 1 3.0 05/28/21 01:26 1330-20-7 Xylene (Total) <1.0 ug/L 1.0 1 m&p-Xylene < 0.70 ug/L 2.0 0.70 1 05/28/21 01:26 179601-23-1 05/28/21 01:26 95-47-6 o-Xylene < 0.35 ug/L 1.0 0.35 1 Surrogates 97 % 70-130 05/28/21 01:26 2037-26-5 Toluene-d8 (S) 1 4-Bromofluorobenzene (S) 106 % 70-130 05/28/21 01:26 460-00-4 1 1,2-Dichlorobenzene-d4 (S) 102 % 70-130 1 05/28/21 01:26 2199-69-1 300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay Sulfate 253 100 22.2 50 06/10/21 02:21 14808-79-8 mg/L 353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay 0.059 Nitrogen, NO2 plus NO3 0.19J 0.25 1 06/07/21 13:10

REPORT OF LABORATORY ANALYSIS

mg/L



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Sample: 052521018	Lab ID:	40227542003	Collected:	: 05/25/21	14:08	Received: 05/	/26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical	Method: EPA 8	015B Modifie	ed					
	Pace Ana	lytical Services	- Green Bay						
Methane	<0.58	ug/L	2.8	0.58	1		06/03/21 09:28	74-82-8	
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepara	ation Metho	od: EPA	3010			
	-	lytical Services							
Arsenic	<0.56	ug/L	2.0	0.56	2	05/27/21 05:51	06/03/21 01:17	7440-38-2	D3
Barium	22.2	ug/L	4.7	1.4	2	05/27/21 05:51	06/03/21 01:17	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/27/21 05:51	06/03/21 01:17	7440-43-9	D3
Chromium	<2.0	ug/L	6.8	2.0	2	05/27/21 05:51	06/03/21 01:17	7440-47-3	D3
Iron	<116	ug/L	500	116	2	05/27/21 05:51	06/03/21 01:17	7439-89-6	D3
Lead	<0.47	ug/L	2.0	0.47	2	05/27/21 05:51	06/03/21 01:17	7439-92-1	D3
Manganese	<2.4	ug/L	8.1	2.4	2	05/27/21 05:51	06/03/21 01:17	7439-96-5	D3
Selenium	< 0.63	ug/L	2.1	0.63	2	05/27/21 05:51	06/03/21 01:17	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/27/21 05:51	06/03/21 01:17	7440-22-4	D3
7470 Mercury	Analytical	Method: EPA 7	470 Prepara	ation Metho	od: EPA	7470			
	Pace Ana	lytical Services	- Green Bay						
Mercury	<0.066	ug/L	0.20	0.066	1	06/03/21 10:45	06/04/21 08:55	7439-97-6	
8270E MSSV PAH	Analytical	Method: EPA 8	270E by SIM	1 Preparat	ion Met	hod: EPA 3510			
		lytical Services	-						
Acenaphthene	<0.0063	ug/L	0.032	0.0063	1	05/31/21 09:36	06/02/21 09:48	83-32-9	
Acenaphthylene	<0.0052	ug/L	0.026	0.0052	1	05/31/21 09:36			
Anthracene	<0.011	ug/L	0.054	0.011	1	05/31/21 09:36			
Benzo(a)anthracene	0.011J	ug/L	0.039	0.0079	1	05/31/21 09:36			
Benzo(a)pyrene	0.014J	ug/L	0.055	0.011	1	05/31/21 09:36			
Benzo(b)fluoranthene	0.037	ug/L	0.030	0.0060	1	05/31/21 09:36			
Benzo(g,h,i)perylene	0.026J	ug/L	0.035	0.0071	1	05/31/21 09:36			
Benzo(k)fluoranthene	0.013J	ug/L	0.039	0.0079	1	05/31/21 09:36			
Chrysene	0.031J	ug/L	0.068	0.014	1	05/31/21 09:36	06/02/21 09:48	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.052	0.010	1	05/31/21 09:36	06/02/21 09:48	53-70-3	
Fluoranthene	0.056	ug/L	0.056	0.011	1	05/31/21 09:36	06/02/21 09:48	206-44-0	
Fluorene	< 0.0083	ug/L	0.042	0.0083	1	05/31/21 09:36	06/02/21 09:48	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019J	ug/L	0.092	0.018	1	05/31/21 09:36	06/02/21 09:48	193-39-5	
1-Methylnaphthalene	< 0.0061	ug/L	0.031	0.0061	1	05/31/21 09:36	06/02/21 09:48	90-12-0	
2-Methylnaphthalene	<0.0051	ug/L	0.026	0.0051	1	05/31/21 09:36	06/02/21 09:48	91-57-6	
Naphthalene	<0.019	ug/L	0.095	0.019	1	05/31/21 09:36	06/02/21 09:48	91-20-3	
Phenanthrene	0.019J	ug/L	0.072	0.014	1	05/31/21 09:36	06/02/21 09:48	85-01-8	
Pyrene	0.042	ug/L	0.040	0.0080	1	05/31/21 09:36	06/02/21 09:48	129-00-0	
Surrogates		_							
2-Fluorobiphenyl (S)	63	%	39-120		1	05/31/21 09:36			
Terphenyl-d14 (S)	88	%	10-159		1	05/31/21 09:36	06/02/21 09:48	1718-51-0	
8260 MSV UST	Analytical	Method: EPA 8	260						
	Pace Ana	lytical Services	- Green Bay						
Benzene	<0.30	ug/L	1.0	0.30	1		05/28/21 01:46	71-43-2	
		-							



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Sample: 052521018	Lab ID:	40227542003	Collected:	05/25/21	14:08	Received: 05/	/26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
	Pace Anal	ytical Services	- Green Bay						
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/28/21 01:46	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/28/21 01:46		
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/28/21 01:46		
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/28/21 01:46		
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/28/21 01:46		
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/28/21 01:46		
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/28/21 01:46		
Surrogates		-9-		-					
Toluene-d8 (S)	98	%	70-130		1		05/28/21 01:46	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		05/28/21 01:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/28/21 01:46	2199-69-1	
	A	Mathad. EDA 2	00.0						
300.0 IC Anions	•	Method: EPA 3							
	Pace Anal	ytical Services	- Green Bay						
Sulfate	1620	mg/L	100	22.2	50		06/10/21 02:36	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical	Method: EPA 3	53.2						
•	Pace Ana	ytical Services	- Green Bay						
Nitrogen, NO2 plus NO3	0.25	mg/L	0.25	0.059	1		06/07/21 13:11		
		9-	0.20		-				
Sample: 052521019	Lab ID:	40227542004	Collected:	05/25/21	14:59	Received: 05/	/26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	•	Method: EPA 8		ed					
Methane	2.6J	ug/L	2.8	0.58	1		06/03/21 09:35	74-82-8	
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepara	tion Metho	νη· ΕDΔ	3010			
0020 WIET ICEWIS		ytical Services		illoii Metric	u. Li A	(3010			
A		_	-	4.4	_	05/07/04 05 54	00/00/04 04 04	7440.00.0	Do
Arsenic	<1.4	ug/L	5.0	1.4	5	05/27/21 05:51			D3
Barium	279	ug/L	11.6	3.5	5		06/03/21 01:24		Do
Cadmium	<0.76	ug/L	5.0	0.76	5	05/27/21 05:51			D3
Chromium	<5.1	ug/L	17.0	5.1	5	05/27/21 05:51			D3
	<290	ug/L	1250	290	5		06/03/21 01:24		D3
		ug/L	5.0	1.2	5		06/03/21 01:24		D3
Lead	<1.2	_	00.0	6.1	5	05/27/21 05:51	06/03/21 01:24	7439-96-5	
Lead Manganese	116	ug/L	20.2	6.1		05/07/04 05 5:	00/00/01 01 01	7700 10 0	D0
Iron Lead Manganese Selenium	116 <1.6	ug/L ug/L	5.3	1.6	5	05/27/21 05:51			D3
Lead Manganese Selenium	116	ug/L					06/03/21 01:24 06/03/21 01:24		D3 D3
Lead Manganese Selenium Silver	116 <1.6 <0.64	ug/L ug/L	5.3 2.5	1.6 0.64	5 5	05/27/21 05:51			
Lead Manganese Selenium Silver	116 <1.6 <0.64 Analytical	ug/L ug/L ug/L Method: EPA 7	5.3 2.5 470 Prepara	1.6 0.64	5 5	05/27/21 05:51			
Lead Manganese	116 <1.6 <0.64 Analytical	ug/L ug/L ug/L	5.3 2.5 470 Prepara	1.6 0.64	5 5	05/27/21 05:51 \ 7470		7440-22-4	



Date: 06/10/2021 04:11 PM

ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542 Lab ID: 40227542004 Received: 05/26/21 10:42 Sample: 052521019 Collected: 05/25/21 14:59 Matrix: Water LOQ LOD DF **Parameters** Results Units Prepared CAS No. Analyzed Qual Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 8270E MSSV PAH Pace Analytical Services - Green Bay Acenaphthene <0.0059 ug/L 0.029 0.0059 05/31/21 09:36 06/02/21 10:07 83-32-9 1 0.0048 Acenaphthylene <0.0048 ug/L 0.024 1 05/31/21 09:36 06/02/21 10:07 208-96-8 Anthracene <0.010 ug/L 0.051 0.010 1 05/31/21 09:36 06/02/21 10:07 120-12-7 Benzo(a)anthracene < 0.0073 ug/L 0.037 0.0073 1 05/31/21 09:36 06/02/21 10:07 56-55-3 Benzo(a)pyrene <0.010 ug/L 0.051 0.010 05/31/21 09:36 06/02/21 10:07 50-32-8 1 Benzo(b)fluoranthene 0.012J ug/L 0.028 0.0056 1 05/31/21 09:36 06/02/21 10:07 205-99-2 Benzo(g,h,i)perylene < 0.0066 ug/L 0.033 0.0066 1 05/31/21 09:36 06/02/21 10:07 191-24-2 207-08-9 Benzo(k)fluoranthene < 0.0073 ug/L 0.037 0.0073 1 05/31/21 09:36 06/02/21 10:07 Chrysene < 0.013 ug/L 0.063 0.013 1 05/31/21 09:36 06/02/21 10:07 218-01-9 Dibenz(a,h)anthracene < 0.0097 ug/L 0.049 0.0097 1 05/31/21 09:36 06/02/21 10:07 53-70-3 Fluoranthene 0.023J ug/L 0.052 0.010 05/31/21 09:36 06/02/21 10:07 206-44-0 1 <0.0077 0.0077 06/02/21 10:07 Fluorene ug/L 0.039 1 05/31/21 09:36 0.086 0.017 05/31/21 09:36 06/02/21 10:07 193-39-5 Indeno(1,2,3-cd)pyrene < 0.017 ug/L 1-Methylnaphthalene < 0.0057 ug/L 0.029 0.0057 1 05/31/21 09:36 06/02/21 10:07 90-12-0 2-Methylnaphthalene <0.0048 ug/L 0.024 0.0048 1 05/31/21 09:36 06/02/21 10:07 91-57-6 <0.018 0.089 0.018 05/31/21 09:36 06/02/21 10:07 91-20-3 Naphthalene ug/L 1 Phenanthrene <0.013 0.067 0.013 1 05/31/21 09:36 06/02/21 10:07 85-01-8 ug/L 0.017J 0.0074 Pyrene 0.037 1 ug/L Surrogates 2-Fluorobiphenyl (S) 62 % 39-120 1 05/31/21 09:36 06/02/21 10:07 321-60-8 Terphenyl-d14 (S) 85 % 10-159 05/31/21 09:36 06/02/21 10:07 1718-51-0 Analytical Method: EPA 8260 **8260 MSV UST** Pace Analytical Services - Green Bay 05/28/21 02:05 71-43-2 Benzene <0.30 ug/L 1.0 0.30 1 Ethylbenzene < 0.33 ug/L 1.0 0.33 05/28/21 02:05 100-41-4 1 Toluene <0.29 ug/L 1.0 0.29 05/28/21 02:05 108-88-3 1 <0.45 0.45 05/28/21 02:05 95-63-6 1,2,4-Trimethylbenzene ug/L 1.0 1 1,3,5-Trimethylbenzene <0.36 ug/L 0.36 05/28/21 02:05 108-67-8 1.0 1 3.0 05/28/21 02:05 1330-20-7 Xylene (Total) <1.0 ug/L 1.0 1 m&p-Xylene < 0.70 ug/L 2.0 0.70 1 05/28/21 02:05 179601-23-1 o-Xylene < 0.35 ug/L 1.0 0.35 1 05/28/21 02:05 95-47-6 Surrogates 97 % 70-130 05/28/21 02:05 2037-26-5 Toluene-d8 (S) 1 4-Bromofluorobenzene (S) 102 % 70-130 05/28/21 02:05 460-00-4 1 1,2-Dichlorobenzene-d4 (S) 103 % 70-130 1 05/28/21 02:05 2199-69-1 300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay Sulfate 104 mg/L 20.0 4.4 10 06/10/21 02:51 14808-79-8 353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay 0.47 0.059 Nitrogen, NO2 plus NO3 0.25 06/07/21 13:13

REPORT OF LABORATORY ANALYSIS

1

mg/L

Green Bay, WI 54302 (920)469-2436



QUALITY CONTROL DATA

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 387029 Analysis Method: EPA 8015B Modified

QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2232604 Matrix: Water

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Methane ug/L <0.58 2.8 06/03/21 08:37

LABORATORY CONTROL SAMPLE & LCSD: 2232605 2232606 Spike LCS **LCSD** LCS LCSD % Rec Max RPD RPD Qualifiers Parameter Units Conc. Result Result % Rec % Rec Limits Methane ug/L 28.6 25.8 26.2 90 92 80-121 20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2232607 2232608 MS MSD

40227543003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Result Result % Rec **RPD** RPD Qual Result Conc. % Rec Limits 1010 20 Methane ug/L 472 286 286 1040 190 198 10-200 2

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

(920)469-2436



QUALITY CONTROL DATA

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 387040 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2232645 Matrix: Water
Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Mercury ug/L <0.066 0.20 06/04/21 08:37

LABORATORY CONTROL SAMPLE: 2232646

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2232647 2232648

MS MSD

40227542001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec **RPD** RPD Qual Result Limits <0.066 5 Mercury ug/L 5 4.6 4.7 93 94 85-115 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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

QC Batch: 386501 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2230154 Matrix: Water
Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.28	1.0	06/02/21 22:07	
Barium	ug/L	< 0.70	2.3	06/02/21 22:07	
Cadmium	ug/L	<0.15	1.0	06/02/21 22:07	
Chromium	ug/L	<1.0	3.4	06/02/21 22:07	
Iron	ug/L	<58.0	250	06/02/21 22:07	
Lead	ug/L	<0.24	1.0	06/02/21 22:07	
Manganese	ug/L	<1.2	4.0	06/02/21 22:07	
Selenium	ug/L	< 0.32	1.1	06/02/21 22:07	
Silver	ug/L	<0.13	0.50	06/02/21 22:07	

LABORATORY	CONTROL SAN	ИPLE:	2230155

Date: 06/10/2021 04:11 PM

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Arsenic	ug/L	500	506	101	80-120	
Barium	ug/L	500	515	103	80-120	
Cadmium	ug/L	500	531	106	80-120	
Chromium	ug/L	500	511	102	80-120	
Iron	ug/L	5000	5210	104	80-120	
Lead	ug/L	500	480	96	80-120	
Manganese	ug/L	500	500	100	80-120	
Selenium	ug/L	500	520	104	80-120	
Silver	ug/L	250	248	99	80-120	

MATRIX SPIKE & MATRIX S	PIKE DUPLIC	CATE: 2230			2230157							
Parameter	4 Units	0227539001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	4.5J	500	500	513	499	102	99	75-125	3	20	
Barium	ug/L	544	500	500	1050	1020	101	96	75-125	3	20	
Cadmium	ug/L	0.79J	500	500	508	501	102	100	75-125	1	20	
Chromium	ug/L	<5.1	500	500	510	505	102	101	75-125	1	20	
Iron	ug/L	47100	5000	5000	52200	51400	102	86	75-125	2	20	
Lead	ug/L	<1.2	500	500	499	494	100	99	75-125	1	20	
Manganese	ug/L	2160	500	500	2640	2600	96	88	75-125	1	20	
Selenium	ug/L	<1.6	500	500	515	506	103	101	75-125	2	20	
Silver	ug/L	< 0.64	250	250	233	229	93	92	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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 386492 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2230146 Matrix: Water

Associated Lab Samples: 40227542004 40227542002 40227542003 40227542004

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/27/21 17:34	
1,3,5-Trimethylbenzene	ug/L	< 0.36	1.0	05/27/21 17:34	
Benzene	ug/L	< 0.30	1.0	05/27/21 17:34	
Ethylbenzene	ug/L	< 0.33	1.0	05/27/21 17:34	
m&p-Xylene	ug/L	< 0.70	2.0	05/27/21 17:34	
o-Xylene	ug/L	< 0.35	1.0	05/27/21 17:34	
Toluene	ug/L	< 0.29	1.0	05/27/21 17:34	
Xylene (Total)	ug/L	<1.0	3.0	05/27/21 17:34	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	05/27/21 17:34	
4-Bromofluorobenzene (S)	%	101	70-130	05/27/21 17:34	
Toluene-d8 (S)	%	100	70-130	05/27/21 17:34	

LABORATORY CONTROL SAMPLE:	2230147					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	57.8	116	70-132	
Ethylbenzene	ug/L	50	61.5	123	80-123	
m&p-Xylene	ug/L	100	120	120	70-130	
o-Xylene	ug/L	50	58.7	117	70-130	
Toluene	ug/L	50	57.1	114	80-121	
Xylene (Total)	ug/L	150	179	119	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SP	IKE DUPLIC	CATE: 2230	310		2230311							
			MS	MSD								
	4	0227535021	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	<0.30	50	50	54.6	58.7	109	117	70-132		20	
Ethylbenzene	ug/L	< 0.33	50	50	57.1	63.0	114	126	80-123	10	20	M1
m&p-Xylene	ug/L	< 0.70	100	100	113	124	113	124	70-130	9	20	
o-Xylene	ug/L	< 0.35	50	50	55.2	61.2	110	122	70-130	10	20	
Toluene	ug/L	< 0.29	50	50	53.5	58.6	107	117	80-121	9	20	
Xylene (Total)	ug/L	<1.0	150	150	168	185	112	124	70-130	10	20	
1,2-Dichlorobenzene-d4 (S)	%						101	98	70-130			
4-Bromofluorobenzene (S)	%						106	104	70-130			

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





Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2230310 2230311

> MS MSD

40227535021 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec RPD RPD Qual Result Limits Toluene-d8 (S) % 97 70-130

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



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 386669 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002

METHOD BLANK: 2231110 Matrix: Water

Associated Lab Samples: 40227542001, 40227542002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	06/01/21 07:59	
2-Methylnaphthalene	ug/L	< 0.0049	0.024	06/01/21 07:59	
Acenaphthene	ug/L	< 0.0061	0.030	06/01/21 07:59	
Acenaphthylene	ug/L	< 0.0050	0.025	06/01/21 07:59	
Anthracene	ug/L	< 0.010	0.052	06/01/21 07:59	
Benzo(a)anthracene	ug/L	< 0.0076	0.038	06/01/21 07:59	
Benzo(a)pyrene	ug/L	< 0.011	0.053	06/01/21 07:59	
Benzo(b)fluoranthene	ug/L	< 0.0057	0.029	06/01/21 07:59	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	06/01/21 07:59	
Benzo(k)fluoranthene	ug/L	< 0.0076	0.038	06/01/21 07:59	
Chrysene	ug/L	< 0.013	0.065	06/01/21 07:59	
Dibenz(a,h)anthracene	ug/L	< 0.010	0.050	06/01/21 07:59	
Fluoranthene	ug/L	< 0.011	0.053	06/01/21 07:59	
Fluorene	ug/L	<0.0080	0.040	06/01/21 07:59	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	06/01/21 07:59	
Naphthalene	ug/L	<0.018	0.092	06/01/21 07:59	
Phenanthrene	ug/L	< 0.014	0.069	06/01/21 07:59	
Pyrene	ug/L	< 0.0076	0.038	06/01/21 07:59	
2-Fluorobiphenyl (S)	%	62	39-120	06/01/21 07:59	
Terphenyl-d14 (S)	%	97	10-159	06/01/21 07:59	

LABORATORY CONTROL SAMPL	.E: 2231111	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1-Methylnaphthalene	ug/L		1.5	77	37-120	
2-Methylnaphthalene	ug/L	2	1.5	77	38-120	
Acenaphthene	ug/L	2	1.5	76	49-120	
Acenaphthylene	ug/L	2	1.5	74	43-85	
Anthracene	ug/L	2	1.5	73	57-110	
Benzo(a)anthracene	ug/L	2	1.6	80	47-118	
Benzo(a)pyrene	ug/L	2	1.6	81	70-120	
Benzo(b)fluoranthene	ug/L	2	1.6	82	54-97	
Benzo(g,h,i)perylene	ug/L	2	0.63	32	26-74	
Benzo(k)fluoranthene	ug/L	2	1.8	91	73-126	
Chrysene	ug/L	2	1.9	95	75-151	
Dibenz(a,h)anthracene	ug/L	2	0.47	24	13-72	
Fluoranthene	ug/L	2	1.8	89	63-120	
Fluorene	ug/L	2	1.6	78	53-120	
ndeno(1,2,3-cd)pyrene	ug/L	2	1.4	69	51-101	

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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

LABORATORY CONTROL SAMPLE: 2231111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	 ug/L		1.5		41-120	
Phenanthrene	ug/L	2	1.7	83	47-100	
Pyrene	ug/L	2	1.8	90	70-128	
2-Fluorobiphenyl (S)	%			79	39-120	
Terphenyl-d14 (S)	%			106	10-159	

MATRIX SPIKE & MATRIX SPI	KE DUPLIC	ATE: 2231	112		2231113							
			MS	MSD								
	4	0227543003	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
1-Methylnaphthalene	ug/L	<0.0056	2	1.9	1.1	1.1	53	57	16-120	5	28	
2-Methylnaphthalene	ug/L	0.0048J	2	1.9	1.0	1.1	52	56	29-120	4	31	
Acenaphthene	ug/L	<0.0058	2	1.9	1.1	1.1	55	59	33-120	3	30	
Acenaphthylene	ug/L	< 0.0047	2	1.9	1.0	1.1	53	56	21-85	3	26	
Anthracene	ug/L	< 0.010	2	1.9	1.1	1.1	55	55	16-114	4	36	
Benzo(a)anthracene	ug/L	< 0.0072	2	1.9	1.2	1.1	60	57	10-118	7	35	
Benzo(a)pyrene	ug/L	< 0.010	2	1.9	1.1	1.1	56	58	10-120	1	37	
Benzo(b)fluoranthene	ug/L	< 0.0055	2	1.9	1.1	1.1	58	56	10-97	5	36	
Benzo(g,h,i)perylene	ug/L	< 0.0065	2	1.9	0.48	0.44	24	23	10-74	9	45	
Benzo(k)fluoranthene	ug/L	< 0.0072	2	1.9	1.2	1.2	61	62	10-126	1	41	
Chrysene	ug/L	< 0.012	2	1.9	1.4	1.4	70	72	10-161	0	30	
Dibenz(a,h)anthracene	ug/L	< 0.0095	2	1.9	0.44	0.43	22	23	10-72	2	50	
Fluoranthene	ug/L	< 0.010	2	1.9	1.4	1.3	69	68	35-120	5	33	
Fluorene	ug/L	< 0.0076	2	1.9	1.1	1.1	57	59	17-120	0	33	
Indeno(1,2,3-cd)pyrene	ug/L	< 0.017	2	1.9	0.82	0.76	42	39	10-101	8	41	
Naphthalene	ug/L	< 0.017	2	1.9	1.0	1.1	52	56	24-120	4	30	
Phenanthrene	ug/L	< 0.013	2	1.9	1.3	1.2	65	64	15-100	4	30	
Pyrene	ug/L	0.011J	2	1.9	1.4	1.4	70	70	14-137	4	31	
2-Fluorobiphenyl (S)	%						57	60	39-120			
Terphenyl-d14 (S)	%						81	79	10-159			

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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 386717 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542003, 40227542004

METHOD BLANK: 2231609 Matrix: Water

Associated Lab Samples: 40227542003, 40227542004

5 .	11.5	Blank	Reporting		0 ""
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	< 0.0059	0.030	06/01/21 08:36	
2-Methylnaphthalene	ug/L	< 0.0049	0.024	06/01/21 08:36	
Acenaphthene	ug/L	< 0.0061	0.030	06/01/21 08:36	
Acenaphthylene	ug/L	< 0.0050	0.025	06/01/21 08:36	
Anthracene	ug/L	< 0.010	0.052	06/01/21 08:36	
Benzo(a)anthracene	ug/L	< 0.0076	0.038	06/01/21 08:36	
Benzo(a)pyrene	ug/L	< 0.011	0.053	06/01/21 08:36	
Benzo(b)fluoranthene	ug/L	< 0.0057	0.029	06/01/21 08:36	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	06/01/21 08:36	
Benzo(k)fluoranthene	ug/L	< 0.0076	0.038	06/01/21 08:36	
Chrysene	ug/L	< 0.013	0.065	06/01/21 08:36	
Dibenz(a,h)anthracene	ug/L	< 0.010	0.050	06/01/21 08:36	
Fluoranthene	ug/L	< 0.011	0.053	06/01/21 08:36	
Fluorene	ug/L	<0.0080	0.040	06/01/21 08:36	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	06/01/21 08:36	
Naphthalene	ug/L	<0.018	0.092	06/01/21 08:36	
Phenanthrene	ug/L	< 0.014	0.069	06/01/21 08:36	
Pyrene	ug/L	< 0.0076	0.038	06/01/21 08:36	
2-Fluorobiphenyl (S)	%	54	39-120	06/01/21 08:36	
Terphenyl-d14 (S)	%	85	10-159	06/01/21 08:36	

LABORATORY CONTROL SAMPL	E: 2231610	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1-Methylnaphthalene	ug/L		1.5	74	37-120	
2-Methylnaphthalene	ug/L	2	1.5	74	38-120	
Acenaphthene	ug/L	2	1.4	72	49-120	
Acenaphthylene	ug/L	2	1.4	71	43-85	
Anthracene	ug/L	2	1.3	67	57-110	
Benzo(a)anthracene	ug/L	2	1.5	73	47-118	
Benzo(a)pyrene	ug/L	2	1.6	78	70-120	
Benzo(b)fluoranthene	ug/L	2	1.5	75	54-97	
Benzo(g,h,i)perylene	ug/L	2	0.59	29	26-74	
Benzo(k)fluoranthene	ug/L	2	1.7	85	73-126	
Chrysene	ug/L	2	1.8	89	75-151	
Dibenz(a,h)anthracene	ug/L	2	0.45	22	13-72	
Fluoranthene	ug/L	2	1.7	85	63-120	
Fluorene	ug/L	2	1.5	74	53-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.2	62	51-101	

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.



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10-159

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Terphenyl-d14 (S)

Date: 06/10/2021 04:11 PM

LABORATORY CONTROL SAMPLE: 2231610 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers ug/L 2 41-120 Naphthalene 1.5 73 2 79 47-100 Phenanthrene ug/L 1.6 2 86 Pyrene ug/L 1.7 70-128 2-Fluorobiphenyl (S) % 72 39-120

%

MATRIX SPIKE & MATRIX S	PIKE DUPLIC	ATE: 2231	611		2231612							
			MS	MSD								
	4	0227690005	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
1-Methylnaphthalene	ug/L	<0.0054	1.9	1.9	1.0	0.98	56	53	16-120		28	
2-Methylnaphthalene	ug/L	< 0.0045	1.9	1.9	1.1	0.98	56	53	29-120	7	31	
Acenaphthene	ug/L	< 0.0056	1.9	1.9	1.1	1.0	57	55	33-120	5	30	
Acenaphthylene	ug/L	< 0.0046	1.9	1.9	1.1	0.98	56	53	21-85	8	26	
Anthracene	ug/L	< 0.0096	1.9	1.9	1.2	1.1	64	57	16-114	13	36	
Benzo(a)anthracene	ug/L	< 0.0069	1.9	1.9	1.1	1.0	60	56	10-118	8	35	
Benzo(a)pyrene	ug/L	< 0.0097	1.9	1.9	1.1	0.99	58	54	10-120	9	37	
Benzo(b)fluoranthene	ug/L	< 0.0053	1.9	1.9	1.1	1.0	57	55	10-97	6	36	
Benzo(g,h,i)perylene	ug/L	< 0.0062	1.9	1.9	0.42	0.39	22	21	10-74	5	45	
Benzo(k)fluoranthene	ug/L	< 0.0069	1.9	1.9	1.1	0.97	57	53	10-126	9	41	
Chrysene	ug/L	< 0.012	1.9	1.9	1.3	1.2	71	67	10-161	9	30	
Dibenz(a,h)anthracene	ug/L	< 0.0092	1.9	1.9	0.42	0.40	22	21	10-72	5	50	
Fluoranthene	ug/L	<0.0098	1.9	1.9	1.3	1.2	68	64	35-120	8	33	
Fluorene	ug/L	< 0.0073	1.9	1.9	1.1	1.1	59	58	17-120	3	33	
Indeno(1,2,3-cd)pyrene	ug/L	< 0.016	1.9	1.9	0.74	0.68	39	37	10-101	9	41	
Naphthalene	ug/L	< 0.017	1.9	1.9	1.0	0.93	55	50	24-120	11	30	
Phenanthrene	ug/L	< 0.013	1.9	1.9	1.2	1.2	64	62	15-100	5	30	
Pyrene	ug/L	< 0.0070	1.9	1.9	1.4	1.3	72	68	14-137	8	31	
2-Fluorobiphenyl (S)	%						57	61	39-120			
Terphenyl-d14 (S)	%						80	78	10-159			

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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Sulfate

Date: 06/10/2021 04:11 PM

QC Batch: 387453 Analysis Method: EPA 300.0 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions

> Laboratory: Pace Analytical Services - Green Bay

40227542001, 40227542002, 40227542003, 40227542004 Associated Lab Samples:

METHOD BLANK: Matrix: Water Associated Lab Samples:

40227542001, 40227542002, 40227542003, 40227542004 Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Sulfate < 0.44 2.0 06/09/21 09:59 mg/L

LABORATORY CONTROL SAMPLE: 2234912

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units Sulfate 20 18.4 92 90-110 mg/L

200

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234913 2234914

mg/L

MSD MS 40227539010 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Result **RPD** RPD Result Conc. Conc. % Rec % Rec Limits Qual

350

2234916

350

106

106

90-110

0 15

200

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

138

2234915

MS MSD 40227543003 MS MSD MS MSD % Rec Spike Spike Max **RPD** RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Sulfate 100 46.5 100 151 149 105 103 15 mg/L 90-110

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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 387271 Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2234149 Matrix: Water

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Nitrogen, NO2 plus NO3 mg/L <0.059 0.25 06/07/21 13:05

LABORATORY CONTROL SAMPLE: 2234150

Spike LCS LCS % Rec Conc. % Rec Limits Qualifiers Parameter Units Result Nitrogen, NO2 plus NO3 2.5 2.6 103 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234151 2234152

MS MSD

40227543003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Result **RPD** RPD Result Conc. Conc. % Rec % Rec Limits Qual Nitrogen, NO2 plus NO3 20 M0 mg/L < 0.059 2.5 2.5 2.1 2.1 86 85 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234153 2234154

MS MSD 50288421004 MS MSD MS MSD % Rec Spike Spike Max **RPD** RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Nitrogen, NO2 plus NO3 9.2 2.5 96 2.5 11.6 11.6 97 0 20 mg/L 90-110

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.



QUALIFIERS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 06/10/2021 04:11 PM

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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
40227542001	052521016	EPA 8015B Modified	387029		
40227542002	052521017	EPA 8015B Modified	387029		
40227542003	052521018	EPA 8015B Modified	387029		
40227542004	052521019	EPA 8015B Modified	387029		
40227542001	052521016	EPA 3010	386501	EPA 6020	386565
40227542002	052521017	EPA 3010	386501	EPA 6020	386565
40227542003	052521018	EPA 3010	386501	EPA 6020	386565
40227542004	052521019	EPA 3010	386501	EPA 6020	386565
40227542001	052521016	EPA 7470	387040	EPA 7470	387083
10227542002	052521017	EPA 7470	387040	EPA 7470	387083
10227542003	052521018	EPA 7470	387040	EPA 7470	387083
10227542004	052521019	EPA 7470	387040	EPA 7470	387083
10227542001	052521016	EPA 3510	386669	EPA 8270E by SIM	386705
40227542002	052521017	EPA 3510	386669	EPA 8270E by SIM	386705
40227542003	052521018	EPA 3510	386717	EPA 8270E by SIM	386724
40227542004	052521019	EPA 3510	386717	EPA 8270E by SIM	386724
40227542001	052521016	EPA 8260	386492		
10227542002	052521017	EPA 8260	386492		
40227542003	052521018	EPA 8260	386492		
40227542004	052521019	EPA 8260	386492		
10227542001	052521016	EPA 300.0	387453		
40227542002	052521017	EPA 300.0	387453		
40227542003	052521018	EPA 300.0	387453		
10227542004	052521019	EPA 300.0	387453		
10227542001	052521016	EPA 353.2	387271		
40227542002	052521017	EPA 353.2	387271		
40227542003	052521018	EPA 353.2	387271		
10227542004	052521019	EPA 353.2	387271		

Section A

OROPOFF AT PACE

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C

A: 1118 5126121

70712.0524.001 gg

Section .	A d Client Information:	Section B			•			A	711 1611	um (ileias n 2	12612	omple	eted accura	ately.	(\cup)	\propto c	メバグ
Company	Ramboli .	Required Projec	et Information:		Section				· 1	7 1 1	ן כ							
Address:	234 W. Florida St. 5th Florida	Report To: Gle	slord, Duncan Stack & B	rt & Sinhhal	Attentio	Information:	on:					419	7-2	21-2156	Page	e: ·	2 . o	í ₹
Milwauke	e, WI 53204	Copy To:	Late Co Blo and		Compar	n:Acon ny Name: (ACC	756lef	tra	<u>sh</u>	Ova-be	-1.h.						
Email: p	dolasiond@ramboll.com Staci. go etge fanbilles	Purchase Order #	·				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	40 110	300	ممير	<u> </u>	ISYS		REPORTED CONTINUES				
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Pace Analytical Services, LLC 1241 Bellevue Street, Suite 9 Green Bay, WI 54302

Client Name: Lanboll Project # U/O All containers needing preservation have been checked and noted below: ▼es □No □N/A

Initial when Date/ Lab Std #ID of preservation (if pH adjusted): completed: Time: VaOH+Zn Act pH ≥9 'OA Vials (>6mm) Glass Plastic Vials after adjusted Jars General 12SO4 pH ≤2 aOH pH ≥12 Volume AG10 BG10 AG1H AG4S AG4U AG5U AG2S BG3U BP1U WGFU Ħ **BP3U BP3B BP3N** VG9A VG9M WPFU (mL) **BP3S** DG9T VG9D **/G9**0 VG9H JGFU JG9U Pace **ZPLC** SP5T Lab # ß 001 7 6 2.5 / 5 / 10 002 2 6 2.5/5/10 003 V 2.5 / 5 / 10 004 1 6 005 2.5/5/10 2.5 / 5 / 10 006 2.5 / 5 / 10 007 2.5 / 5 / 10 008 2.5 / 5 / 10 009 2.5 / 5 / 10 010 2.5/5/10 011 2.5 / 5 / 10 012 2.5/5/10 013 2.5 / 5 / 10 014 2.5/5/10 015 2.5 / 5 / 10 016 2.5/5/10 017 2.5 / 5 / 10 018 2.5 / 5 / 10 019 2.5 / 5 / 10 020 2.5 / 5 / 10 Exceptions to preservation check: łОА Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: Headspace in VOA Vials (>6mm): □Yes 🗖 ਹ □N/A *If yes look in headspace column AG1U 1 liter amber glass BP1U 1 liter plastic unpres VG9A 40 mL clear ascorbic **JGFU** 4 oz amber jar unpres BG1U 1 liter clear glass BP3U 250 mL plastic unpres DG9T 40 mL amber Na Thio JG9U AG1H 1 liter amber glass HCL 9 oz amber jar unpres BP3B 250 mL plastic NaOH VG9U 40 mL clear vial unpres **WGFU** 4 oz clear jar unpres AG4S 125 mL amber glass H2SO4 BP3N 250 mL plastic HNO3 VG9H 40 mL clear vial HCL **WPFU** 4 oz plastic jar unpres AG4U 120 mL amber glass unpres BP3S 250 mL plastic H2SO4 VG9M 40 mL clear vial MeOH 120 mL plastic Na Thiosulfate SP5T AG5U 100 mL amber glass unpres VG9D 40 mL clear vial DI **ZPLC** AG2S 500 mL amber glass H2SO4 ziploc bag GN BG3U 250 mL clear glass unpres

()	
/	
1241 Bellevue Street Green Bay	MI 5420

Document Name:

Sample Condition Upon Receipt (SCUR)

Document No.: ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020

Author:

Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: [AMDO]		Project #:	
		MO#	40227542
Courier: CS Logistics Fed Ex	Speedee TUPS TV	/vaitco	
1	ther:		
Tracking #:		40227542	
Custody Seal on Cooler/Box Present:	yes no Seals intact	t yes no	
Custody Seal on Samples Present: Packing Material: Bubble Wrap	yes no Seals intact	t: C yes C no	
Thermometer Used SR - 90	Bubble Bags Non	e Other	
0-1-7 V	Type of Ice: Vet	Blue Dry None Sample	es on ice, cooling process has begun
	70011: 1-3		Person examining contents:
Temp Blank Present: Yes no Temp should be above freezing to 6°C.	Biological	Tissue is Frozen: Tyes no	Date: SUN 1/Initials:
Biota Samples may be received at ≤ 0°C if ship	ped on Dry Ice.		Labeled By Initials:
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Sampler Name & Signature on COC:	Fres ONO ON/A		
Samples Arrived within Hold Time:	Yes 🗆 No	5.	
 VOA Samples frozen upon receip 		Date/Time:	
Short Hold Time Analysis (<72hr):	56. 5	6.	
Rush Turn Around Time Requested:		7.	
Sufficient Volume:		8.	
For Analysis: Dres Ono	AS/MSD: □Yes 🗀 N/A	 	
Correct Containers Used:		9.	
-Pace Containers Used:	Seyes □No □N/A	.	
-Pace IR Containers Used:	□Yes □No □MA		
Containers Intact:	= =	10.	
iltered volume received for Dissolved test			
ample Labels match COC:	Des □No □N/A		
-Includes date/time/ID/Analysis Mat	1	16.1	
rip Blank Present:	□Yes ₩No □N/A	13.	
rip Blank Custody Seals Present	□Yes □No □M/A		
ace Trip Blank Lot # (if purchased):			
lient Notification/ Resolution:		If checked, see atta	ched form for additional comments
Person Contacted:Comments/ Resolution:	Date/Ti		
Commonto Nesolution.			
M Review is documented electronically	in LIMs. By releasing the p	roject, the PM acknowledges th	nev have reviewed the sample logi



Wisconsin Public Service Corporation

700 North Adams Street P.O. Box 19001 Green Bay, WI 54307-9001

www.wisconsinpublicservice.com

July 27, 2021

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 results of groundwater samples collected as part of routine monitoring (MW-407, MW-417, MW-418) collected in May of 2021, as part of site characterization. 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 includes summary tables of the results compared to State standards. Copies of the relevant portions of the associated laboratory reports and a figure showing the locations of samples collected on your property are also included. The results will be presented in a future Remedial Investigation Report.

We appreciate your cooperation with environmental 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

rand Nomina.

WEC Business Services - Environmental Dept.

Enc: Figure 1. City of Green Bay

Table 1. May 2021 Groundwater Analytical Results for City of Green Bay

Laboratory Data Reports – 40227542 frc

Mr. Steven M. Grenier, P.E. City of Green Bay July 27, 2021 Page 2

Project file CC:

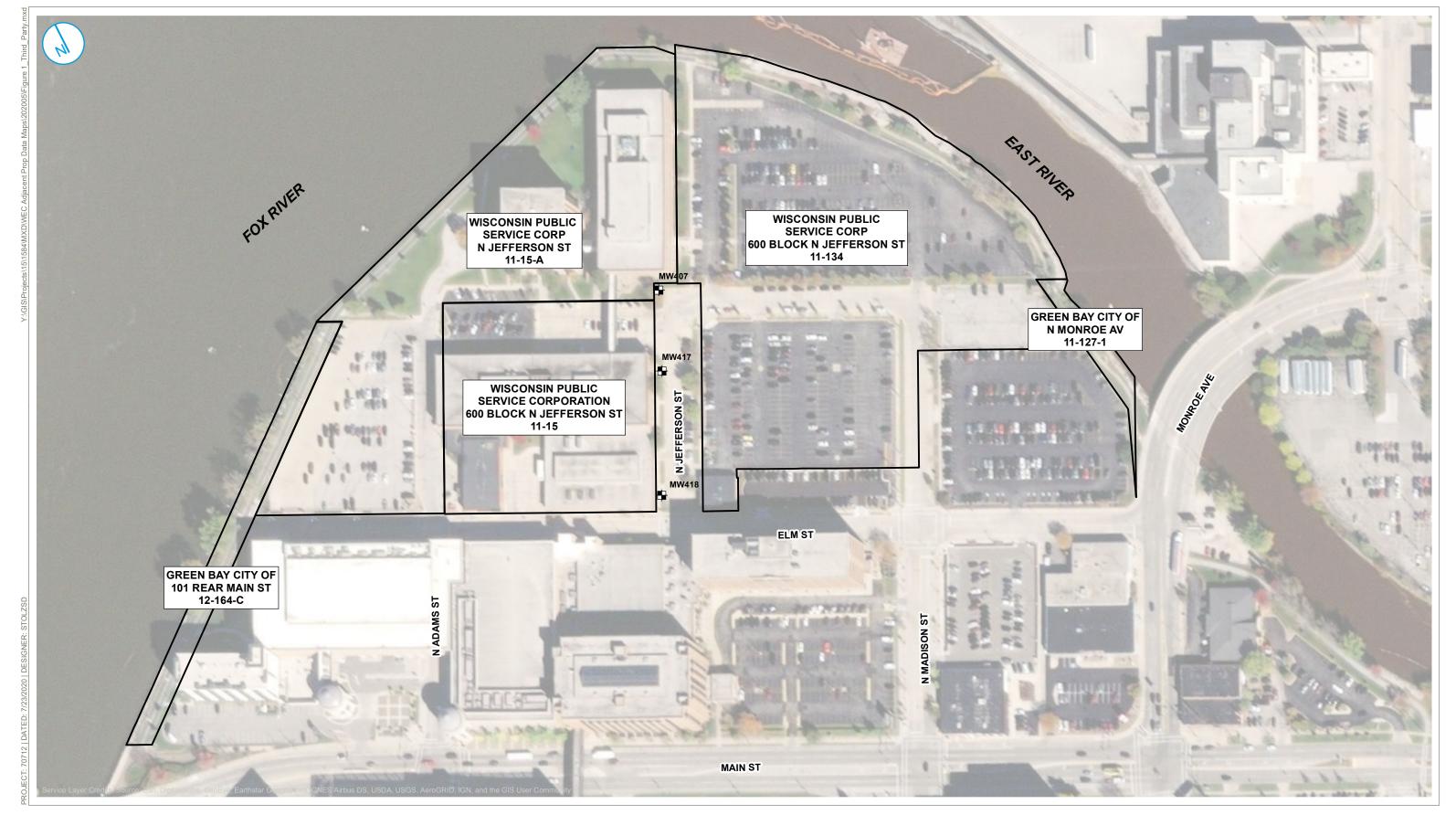
USEPA RPM – Sarah Rolfes (via email)

WDNR PM – Sarah Krueger (via US Mail and email)

WDNR Northeast Region (via email to DNRRRNER@wisconsin.gov)
Ms. Staci Goetz, Ramboll (via email)

WPSC – Bob Laskowski (via email)

FIGURES



MONITORING WELL LOCATION PROPERTY LINE

CITY OF GREEN BAY BRRTS# 02-05-000254 FIGURE 01

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

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

RAMBOLL

TABLES

Table 1. May 2021 Groundwater Analytical Results for the City of Green Bay

June 2021 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	PVOC	PVOC	PVOC	PVOC	PVOC	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
9-digit Code	Sample Location	Sample Date	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total ¹	Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	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	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
	R	Reporting Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
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		oundwater PAL:	NS	NS	<u>96</u>	0.5	140	160	<u>NS</u>	<u>NS</u>	400	NS	<u>NS</u>	NS	<u>NS</u>	600	<u>NS</u>	0.02	0.02	<u>NS</u>	<u>NS</u>	0.02	<u>NS</u>	80	80	NS	10	NS	50
				Į.	•								•				•							Į.			,		
052421001	MW-418	05/24/2021	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.032	0.043	0.0060 U	0.0052 J	0.010 U	0.0074 U	0.010 U	0.0056 U	0.0066 U	0.0074 U	0.013 U	0.0098 U	0.010 U	0.0078 U	0.017 U	0.18	0.020 J	0.0081 J
052421002	MW-417	05/24/2021	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.027 J	0.034	0.0061 U	0.0060 J	0.010 U	0.0084 J	0.011 U	0.0057 U	0.0068 U	0.0076 U	0.013 U	0.010 U	0.015 J	0.011 J	0.018 U	0.098	0.034 J	0.018 J
052421003	MW-407	05/24/2021	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.0056 U	0.0048 J	0.0058 U	0.0047 U	0.010 U	0.0072 U	0.010 U	0.0055 U	0.0065 U	0.0072 U	0.012 U	0.0095 U	0.010 U	0.0076 U	0.017 U	0.017 U	0.013 U	0.011 J

Sorted by 9-digit Code

Bold	attains or exceeds the WI Groundwater ES
<u>Underline</u>	attains or exceeds the WI Groundwater PAL

Results & Flags:

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

J = Estimated Concentration

U = Concentration was not detected above the reported limit

Acronyms: μg/L = micrograms per liter

BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))

ES = Enforcement Standard

NO2 + NO3 = nitrite plus nitrate

NS = No Standard

PAH = Polycyclic Aromatic Hydrocarbon

PAL = Preventive Action Limit

PVOC = Petroleum Volatile Organic Compound

USEPA = United States Environmental Protection Agency

VOC = Volatile Organic Compound

WI = Wisconsin

Superscripts:

Total Trimethylbenzenes were calculated by Ramboll as follows:

- a. Where no detections were observed, the sum of the reporting limits is presented.
- b. Where detections were observed, only the detected results were added together for the total summation.
- c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Screening Levels:

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020.

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

Table 1. May 2021 Groundwater Analytical Results for the City of Green Bay

June 2021 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

			Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Inorganic	Inorganic	Organic	Field	Field	Field	Field	Field	Field	Field
9-digit Code	Sample Location	Sample Date	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Iron, Total	Lead, Total	Manganese, Total	Mercury, Total	Selenium, Total	Silver, Total	Nitrogen, NO2 + NO3, Total	Sulfate, Total	Methane	Dissolved oxygen	Groundwater, depth to	Oxidation Reduction Potential	pH, Field	Specific Conductance, Field	Temperature, Water	Turbidity, Quantitative
	R	eporting Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	mg/L	feet	millivolts	s.u.	μS/cm	Deg C	NTUs
			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	Result Flag	Result Flag	g Result Flag
	WI Gr	oundwater ES:	10	2,000	5	100	300	15	300	2	50	50	10,000	250,000	NS	NS	NS	NS	NS	NS	NS	NS
		oundwater PAL:	1	400	0.5	10	150	1.5	60	0.2	10	10	2,000	125,000	NS.	NS	NS.	NS.	NS.	NS.	NS	<u>NS</u>
									_	_						_						
052421001	MW-418	05/24/2021	<u>1.1</u> J	307	<u>0.55</u> J	2.0 U	116 U	0.72 J	<u>389</u>	0.066 U	5.1	0.25 U	2,700	70,500	30.0	6.81	6.14	200.2	6.76	4956.7	16.23	0.00
052421002	MW-417	05/24/2021	<u>1.2</u> J	<u>473</u>	0.30 U	2.0 U	7,740	0.47 U	<u>689</u>	0.066 U	0.63 U	0.25 U	59 U	16,000	262	0.87	4.97	-70.5	6.80	10661.9	16.23	101.31
052421003	MW-407	05/24/2021	3.0	301	<u>0.56</u> J	2.0 U	9,950	0.60 J	671	0.066 U	0.94 J	0.25 U	59 U	46,500	472	0.54	3.75	-95.5	7.06	4243.7	16.11	0.00

[O:CMD 7/13/21, C:LDH 7/13/2021, C:SJM 7/14/21]

Sorted by 9-digit Code

Bold	attains or exceeds the WI Groundwater ES
<u>Underline</u>	attains or exceeds the WI Groundwater PAL

Results & Flags:

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

J = Estimated Concentration

U = Concentration was not detected above the reported limit

<u>Acronyms:</u> μg/L = micrograms per liter

BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))

ES = Enforcement Standard

NO2 + NO3 = nitrite plus nitrate

NS = No Standard

PAH = Polycyclic Aromatic Hydrocarbon

PAL = Preventive Action Limit

PVOC = Petroleum Volatile Organic Compound

USEPA = United States Environmental Protection Agency

VOC = Volatile Organic Compound

WI = Wisconsin

Superscripts:

Total Trimethylbenzenes were calculated by Ramboll as follows:

- a. Where no detections were observed, the sum of the reporting limits is presented.
- b. Where detections were observed, only the detected results were added together for the total summation.
- c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Screening Levels:

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020.

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







June 10, 2021

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

RE: Project: 70712 GREEN BAY MGP Pace Project No.: 40227542

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

Pace Analytical Services - Green Bay

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

Sincerely,

Brian Basten

brian.basten@pacelabs.com

(920)469-2436

Project Manager

Enclosures

cc: Phil Brochocki, Ramboll NRT Data, Ramboll

Eric Hritsuk, OBG

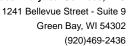
Robert Paulson, We Energies

Kyle Schaefer, Ramboll Americas

Dan Vachon, O'Brien & Gere Engineers, Inc Integrys WI

Steve Wiskes, Ramboll







CERTIFICATIONS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Pace Analytical Services Green Bay

North Dakota Certification #: R-150

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 Virginia VELAP ID: 460263

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0

(920)469-2436



SAMPLE SUMMARY

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227542001	052521016	Water	05/25/21 13:03	05/26/21 10:42
40227542002	052521017	Water	05/25/21 13:39	05/26/21 10:42
40227542003	052521018	Water	05/25/21 14:08	05/26/21 10:42
40227542004	052521019	Water	05/25/21 14:59	05/26/21 10:42



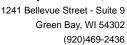
SAMPLE ANALYTE COUNT

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Lab ID	Sample ID	Method	Analysts	Analytes Reported	
40227542001	052521016	EPA 8015B Modified	ALD	1	
		EPA 6020	KXS	9	
		EPA 7470	AJT	1	
		EPA 8270E by SIM	JJB	20	
		EPA 8260	LAP	11	
		EPA 300.0	HMB	1	
		EPA 353.2	DAW	1	
40227542002	052521017	EPA 8015B Modified	ALD	1	
		EPA 6020	KXS	9	
		EPA 7470	AJT	1	
		EPA 8270E by SIM	JJB	20	
		EPA 8260	LAP	11	
		EPA 300.0	HMB	1	
		EPA 353.2	DAW	1	
40227542003	052521018	EPA 8015B Modified	ALD	1	
		EPA 6020	KXS	9	
		EPA 7470	AJT	1	
		EPA 8270E by SIM	JJB	20	
		EPA 8260	LAP	11	
		EPA 300.0	HMB	1	
		EPA 353.2	DAW	1	
40227542004	052521019	EPA 8015B Modified	ALD	1	
		EPA 6020	KXS	9	
		EPA 7470	AJT	1	
		EPA 8270E by SIM	JJB	20	
		EPA 8260	LAP	11	
		EPA 300.0	HMB	1	
		EPA 353.2	DAW	1	

PASI-G = Pace Analytical Services - Green Bay





PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 8015B Modified 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.

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.

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.

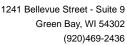
Laboratory Control Spike:

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:





PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 6020

Description: 6020 MET ICPMS

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 6020 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 3010 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.

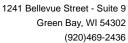
Additional Comments:

Analyte Comments:

QC Batch: 386501

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

- 052521016 (Lab ID: 40227542001)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 052521017 (Lab ID: 40227542002)
 - Silver
 - Arsenic





PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 6020

Description: 6020 MET ICPMS

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

Analyte Comments: QC Batch: 386501

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

- 052521017 (Lab ID: 40227542002)
 - Cadmium
 - Chromium
 - Iron
 - Manganese
 - Lead
 - Selenium
- 052521018 (Lab ID: 40227542003)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Iron
 - Manganese
 - Lead
 - Selenium
- 052521019 (Lab ID: 40227542004)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Iron
 - Lead
 - Selenium



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PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 7470
Description: 7470 Mercury

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 7470 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 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:



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PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 8270E by SIM Description: 8270E MSSV PAH

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 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 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:



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PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 8260
Description: 8260 MSV UST

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

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

Hold Time:

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

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: 386492

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40227535021

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

- MSD (Lab ID: 2230311)
 - Ethylbenzene

Additional Comments:



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PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 300.0

Description: 300.0 IC Anions

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 300.0 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.

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:

(920)469-2436



PROJECT NARRATIVE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Method: EPA 353.2

Description: 353.2 Nitrogen, NO2/NO3 pres.

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: June 10, 2021

General Information:

4 samples were analyzed for EPA 353.2 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.

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: 387271

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40227543003,50288421004

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

• MS (Lab ID: 2234151)

• Nitrogen, NO2 plus NO3

- MSD (Lab ID: 2234152)
 - Nitrogen, NO2 plus NO3

Additional Comments:

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



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Sample: 052521016	Lab ID:	40227542001	Collected:	05/25/21	13:03	Received: 05/	26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical	Method: EPA 8	015B Modifie	ed					
	Pace Anal	ytical Services	- Green Bay						
Methane	21.3	ug/L	2.8	0.58	1		06/03/21 09:14	74-82-8	
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepara	tion Metho	od: EPA	3010			
	-	ytical Services							
Arsenic	<5.6	ug/L	20.0	5.6	20	05/27/21 05:51	06/03/21 01:03	7440-38-2	D3
Barium	233	ug/L	46.6	14.0	20	05/27/21 05:51	06/03/21 01:03	7440-39-3	
Cadmium	<3.0	ug/L	20.0	3.0	20	05/27/21 05:51	06/03/21 01:03	7440-43-9	D3
Chromium	<20.4	ug/L	68.0	20.4	20	05/27/21 05:51	06/03/21 01:03		D3
Iron	5900	ug/L	5000	1160	20	05/27/21 05:51	06/03/21 01:03	7439-89-6	
Lead	<4.7	ug/L	20.0	4.7	20	05/27/21 05:51	06/03/21 01:03	7439-92-1	D3
Manganese	2060	ug/L	81.0	24.3	20	05/27/21 05:51	06/03/21 01:03		-
Selenium	<6.3	ug/L	21.2	6.3	20	05/27/21 05:51			D3
Silver	<2.5	ug/L	10.0	2.5	20	05/27/21 05:51			D3
7470 Mercury	Analytical	Method: EPA 7	470 Prepara	tion Metho	od: EPA	7470			
••. • ,	•	ytical Services							
Mercury	<0.066	ug/L	0.20	0.066	1	06/03/21 10:45	06/04/21 08:41	7439-97-6	
8270E MSSV PAH	Analytical	Method: EPA 8	270F by SIM	Preparat	ion Met	hod: FPA 3510			
02102 M007 1741	-	ytical Services	-	opa.a.					
Acenaphthene	<0.0054	ug/L	0.027	0.0054	1	05/28/21 13:25	06/01/21 19:02	83-32-9	
Acenaphthylene	< 0.0044	ug/L	0.022	0.0044	1	05/28/21 13:25	06/01/21 19:02	208-96-8	
Anthracene	< 0.0093	ug/L	0.047	0.0093	1	05/28/21 13:25	06/01/21 19:02	120-12-7	
Benzo(a)anthracene	0.0087J	ug/L	0.034	0.0067	1	05/28/21 13:25	06/01/21 19:02	56-55-3	
Benzo(a)pyrene	0.010J	ug/L	0.047	0.0094	1	05/28/21 13:25	06/01/21 19:02	50-32-8	
Benzo(b)fluoranthene	0.030	ug/L	0.026	0.0051	1	05/28/21 13:25			
Benzo(g,h,i)perylene	0.020J	ug/L	0.030	0.0061	1	05/28/21 13:25	06/01/21 19:02	191-24-2	
Benzo(k)fluoranthene	0.012J	ug/L	0.034	0.0067	1	05/28/21 13:25			
Chrysene	0.027J	ug/L	0.058	0.012	1	05/28/21 13:25			
Dibenz(a,h)anthracene	<0.0089	ug/L	0.045	0.0089	1	05/28/21 13:25			
Fluoranthene	0.048	ug/L	0.048	0.0095	1	05/28/21 13:25	06/01/21 19:02		
Fluorene	<0.0071	ug/L	0.036	0.0071	1	05/28/21 13:25	06/01/21 19:02		
Indeno(1,2,3-cd)pyrene	0.016J	ug/L	0.079	0.016	1	05/28/21 13:25	06/01/21 19:02		
1-Methylnaphthalene	0.0068J	ug/L	0.026	0.0053	1	05/28/21 13:25	06/01/21 19:02		
2-Methylnaphthalene	< 0.0044	ug/L	0.022	0.0044	1	05/28/21 13:25			
Naphthalene	<0.016	ug/L	0.082	0.016	1		06/01/21 19:02		
Phenanthrene	0.017J	ug/L ug/L	0.062	0.010	1		06/01/21 19:02		
Pyrene	0.0173	ug/L ug/L	0.002	0.012	1		06/01/21 19:02		
Surrogates	0.037	ug/L	0.004	0.0000	'	50/20/21 10.20	30/01/21 13.02	120-00-0	
2-Fluorobiphenyl (S)	46	%	39-120		1	05/28/21 13:25	06/01/21 19:02	321-60-8	
Terphenyl-d14 (S)	67	%	10-159		1		06/01/21 19:02		
8260 MSV UST	Analytical	Method: EPA 8	260						
		-							
	Pace Anal	ytical Services	- Green Bay						



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Sample: 052521016	Lab ID:	40227542001	Collected:	05/25/21	13:03	Received: 05/	26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 82	260						
	Pace Anal	ytical Services -	Green Bay						
Ethylbenzene	< 0.33	ug/L	1.0	0.33	1		05/28/21 01:06	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/28/21 01:06	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/28/21 01:06	95-63-6	
1,3,5-Trimethylbenzene	< 0.36	ug/L	1.0	0.36	1		05/28/21 01:06	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/28/21 01:06	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/28/21 01:06	179601-23-1	
o-Xylene	< 0.35	ug/L	1.0	0.35	1		05/28/21 01:06	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		05/28/21 01:06	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		05/28/21 01:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/28/21 01:06	2199-69-1	
300.0 IC Anions	Analytical	Method: EPA 30	nn n						
300.0 IC Allions	,	ytical Services							
	Face Allai	ylicai Services -	Gleen bay						
Sulfate	322	mg/L	40.0	8.9	20		06/10/21 02:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical	Method: EPA 3	53.2						
	Pace Anal	ytical Services	Green Bay						
Nitrogen, NO2 plus NO3	<0.059	, mg/L	0.25	0.059	1		06/07/21 13:10		
Millogen, NO2 plus NO3	<0.039	mg/L	0.23	0.059	1		00/07/21 13.10		
Sample: 052521017	Lab ID:	40227542002	Collected:	05/25/21	13:39	Received: 05/	26/21 10:42 Ma	atrix: Water	
-									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	•	Method: EPA 80	015B Modifie	ed					
		yticai Services -	Green Bay						
Methane	<0.58	ug/L	Green Bay 2.8	0.58	1		06/03/21 09:21	74-82-8	
	<0.58	ug/L	2.8			3010	06/03/21 09:21	74-82-8	
Methane 6020 MET ICPMS	<0.58 Analytical	ug/L Method: EPA 60	2.8 020 Prepara			3010	06/03/21 09:21	74-82-8	
6020 MET ICPMS	<0.58 Analytical Pace Anal	ug/L	2.8 020 Prepara Green Bay	tion Metho	od: EPA				
6020 MET ICPMS Arsenic	<0.58 Analytical Pace Anal <0.56	ug/L Method: EPA 60 ytical Services - ug/L	2.8 D20 Prepara Green Bay 2.0	tion Metho	od: EPA	05/27/21 05:51	06/03/21 01:10	7440-38-2	D3
6020 MET ICPMS Arsenic Barium	<0.58 Analytical Pace Anal <0.56 106	ug/L Method: EPA 60 ytical Services - ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7	0.56 1.4	od: EPA 2 2	05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3	
6020 MET ICPMS Arsenic Barium Cadmium	<0.58 Analytical Pace Anal <0.56 106 <0.30	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L	2.8 020 Prepara Green Bay 2.0 4.7 2.0	0.56 1.4 0.30	2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9	D3
Arsenic Barium Cadmium Chromium	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L ug/L ug/L	2.8 020 Prepara Green Bay 2.0 4.7 2.0 6.8	0.56 1.4 0.30 2.0	2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3	D3 D3
Arsenic Barium Cadmium Chromium Iron	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500	0.56 1.4 0.30 2.0	2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6	D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 020 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0	0.56 1.4 0.30 2.0 116 0.47	2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1	D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47 4.7J	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1	0.56 1.4 0.30 2.0 116 0.47 2.4	2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5	D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium	<0.58 Analytical Pace Anal <0.56	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1 2.1	0.56 1.4 0.30 2.0 116 0.47 2.4 0.63	2 2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47 4.7J	ug/L Method: EPA 60 ytical Services - ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1	0.56 1.4 0.30 2.0 116 0.47 2.4	2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47 4.7J <0.63 <0.25	ug/L Method: EPA 60 ytical Services - ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1 2.1 1.0	0.56 1.4 0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese Selenium Silver	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47 4.7J <0.63 <0.25 Analytical	ug/L Method: EPA 60 ytical Services - ug/L ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1 2.1 1.0	0.56 1.4 0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2	D3 D3 D3 D3 D3 D3
Arsenic Barium Cadmium Chromium Iron Lead Manganese	<0.58 Analytical Pace Anal <0.56 106 <0.30 <2.0 <116 <0.47 4.7J <0.63 <0.25 Analytical	ug/L Method: EPA 60 ytical Services - ug/L	2.8 D20 Prepara Green Bay 2.0 4.7 2.0 6.8 500 2.0 8.1 2.1 1.0	0.56 1.4 0.30 2.0 116 0.47 2.4 0.63 0.25	2 2 2 2 2 2 2 2 2 2 2	05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51 05/27/21 05:51	06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10 06/03/21 01:10	7440-38-2 7440-39-3 7440-47-3 7439-89-6 7439-92-1 7439-96-5 7782-49-2 7440-22-4	D3 D3 D3 D3 D3 D3



Date: 06/10/2021 04:11 PM

ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542 Lab ID: 40227542002 Collected: 05/25/21 13:39 Received: 05/26/21 10:42 Sample: 052521017 Matrix: Water LOQ LOD DF **Parameters** Results Units Prepared CAS No. Analyzed Qual Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 8270E MSSV PAH Pace Analytical Services - Green Bay Acenaphthene <0.0061 ug/L 0.030 0.0061 05/28/21 13:25 06/02/21 09:30 83-32-9 1 0.0050 Acenaphthylene 0.017J ug/L 0.025 1 05/28/21 13:25 06/02/21 09:30 208-96-8 Anthracene <0.010 ug/L 0.052 0.010 1 05/28/21 13:25 06/02/21 09:30 120-12-7 05/28/21 13:25 Benzo(a)anthracene 0.037J ug/L 0.038 0.0076 1 06/02/21 09:30 56-55-3 Benzo(a)pyrene 0.058 ug/L 0.053 0.011 05/28/21 13:25 06/02/21 09:30 50-32-8 1 Benzo(b)fluoranthene 0.13 ug/L 0.029 0.0057 05/28/21 13:25 06/02/21 09:30 205-99-2 1 Benzo(g,h,i)perylene 0.079 ug/L 0.034 0.0068 1 05/28/21 13:25 06/02/21 09:30 191-24-2 06/02/21 09:30 207-08-9 Benzo(k)fluoranthene 0.064 ug/L 0.038 0.0076 1 05/28/21 13:25 06/02/21 09:30 218-01-9 Chrysene 0.12 ug/L 0.065 0.013 1 05/28/21 13:25 Dibenz(a,h)anthracene 0.011J ug/L 0.050 0.010 1 05/28/21 13:25 06/02/21 09:30 53-70-3 Fluoranthene 0.20 ug/L 0.053 0.011 05/28/21 13:25 06/02/21 09:30 206-44-0 1 0.0096J 0.0080 06/02/21 09:30 86-73-7 Fluorene ug/L 0.040 1 05/28/21 13:25 0.065J 0.088 0.018 06/02/21 09:30 193-39-5 Indeno(1,2,3-cd)pyrene ug/L 05/28/21 13:25 1-Methylnaphthalene 0.0081J ug/L 0.030 0.0059 1 05/28/21 13:25 06/02/21 09:30 90-12-0 2-Methylnaphthalene 0.0063J ug/L 0.024 0.0049 1 05/28/21 13:25 06/02/21 09:30 91-57-6 0.027J 0.092 0.018 05/28/21 13:25 06/02/21 09:30 91-20-3 Naphthalene ug/L 1 Phenanthrene 0.083 0.069 0.014 05/28/21 13:25 06/02/21 09:30 85-01-8 ug/L 1 0.038 0.0076 05/28/21 13:25 06/02/21 09:30 129-00-0 Pyrene 0.15 1 ug/L Surrogates 2-Fluorobiphenyl (S) 50 % 39-120 1 05/28/21 13:25 06/02/21 09:30 321-60-8 Terphenyl-d14 (S) 83 % 10-159 05/28/21 13:25 06/02/21 09:30 1718-51-0 Analytical Method: EPA 8260 **8260 MSV UST** Pace Analytical Services - Green Bay Benzene <0.30 ug/L 1.0 0.30 1 05/28/21 01:26 71-43-2 Ethylbenzene < 0.33 ug/L 1.0 0.33 05/28/21 01:26 100-41-4 1 Toluene <0.29 ug/L 1.0 0.29 05/28/21 01:26 108-88-3 1 <0.45 0.45 1,2,4-Trimethylbenzene ug/L 1.0 1 05/28/21 01:26 95-63-6 1,3,5-Trimethylbenzene < 0.36 ug/L 0.36 05/28/21 01:26 108-67-8 1.0 1 3.0 05/28/21 01:26 1330-20-7 Xylene (Total) <1.0 ug/L 1.0 1 m&p-Xylene < 0.70 ug/L 2.0 0.70 1 05/28/21 01:26 179601-23-1 05/28/21 01:26 95-47-6 o-Xylene < 0.35 ug/L 1.0 0.35 1 Surrogates 97 % 70-130 05/28/21 01:26 2037-26-5 Toluene-d8 (S) 1 4-Bromofluorobenzene (S) 106 % 70-130 05/28/21 01:26 460-00-4 1 1,2-Dichlorobenzene-d4 (S) 102 % 70-130 1 05/28/21 01:26 2199-69-1 300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay Sulfate 253 100 22.2 50 06/10/21 02:21 14808-79-8 mg/L 353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay 0.059 Nitrogen, NO2 plus NO3 0.19J 0.25 1 06/07/21 13:10

REPORT OF LABORATORY ANALYSIS

mg/L



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Sample: 052521018	Lab ID:	40227542003	Collected:	05/25/21	14:08	Received: 05	/26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical	Method: EPA 8	015B Modifie	ed					
	Pace Ana	lytical Services	- Green Bay						
Methane	<0.58	ug/L	2.8	0.58	1		06/03/21 09:28	74-82-8	
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepara	ation Metho	od: EPA	3010			
	-	lytical Services							
Arsenic	<0.56	ug/L	2.0	0.56	2	05/27/21 05:51	06/03/21 01:17	7440-38-2	D3
Barium	22.2	ug/L	4.7	1.4	2	05/27/21 05:51	06/03/21 01:17	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/27/21 05:51	06/03/21 01:17	7440-43-9	D3
Chromium	<2.0	ug/L	6.8	2.0	2	05/27/21 05:51	06/03/21 01:17	7440-47-3	D3
Iron	<116	ug/L	500	116	2	05/27/21 05:51	06/03/21 01:17	7439-89-6	D3
Lead	<0.47	ug/L	2.0	0.47	2	05/27/21 05:51	06/03/21 01:17	7439-92-1	D3
Manganese	<2.4	ug/L	8.1	2.4	2	05/27/21 05:51	06/03/21 01:17	7439-96-5	D3
Selenium	< 0.63	ug/L	2.1	0.63	2	05/27/21 05:51	06/03/21 01:17	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/27/21 05:51	06/03/21 01:17	7440-22-4	D3
7470 Mercury	Analytical	Method: EPA 7	470 Prepara	ation Metho	od: EPA	7470			
	Pace Ana	lytical Services	- Green Bay						
Mercury	<0.066	ug/L	0.20	0.066	1	06/03/21 10:45	06/04/21 08:55	7439-97-6	
8270E MSSV PAH	Analytical	Method: EPA 8	270E by SIM	l Preparati	ion Met	hod: EPA 3510			
		lytical Services	-						
Acenaphthene	<0.0063	ug/L	0.032	0.0063	1	05/31/21 09:36	06/02/21 09:48	83-32-9	
Acenaphthylene	<0.0052	ug/L	0.026	0.0052	1	05/31/21 09:36			
Anthracene	<0.011	ug/L	0.054	0.0002	1	05/31/21 09:36			
Benzo(a)anthracene	0.011J	ug/L	0.039	0.0079	1	05/31/21 09:36			
Benzo(a)pyrene	0.014J	ug/L	0.055	0.011	1	05/31/21 09:36			
Benzo(b)fluoranthene	0.037	ug/L	0.030	0.0060	1	05/31/21 09:36			
Benzo(g,h,i)perylene	0.026J	ug/L	0.035	0.0071	1	05/31/21 09:36			
Benzo(k)fluoranthene	0.013J	ug/L	0.039	0.0079	1	05/31/21 09:36			
Chrysene	0.031J	ug/L	0.068	0.014	1	05/31/21 09:36	06/02/21 09:48	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.052	0.010	1	05/31/21 09:36	06/02/21 09:48	53-70-3	
Fluoranthene	0.056	ug/L	0.056	0.011	1	05/31/21 09:36	06/02/21 09:48	206-44-0	
Fluorene	< 0.0083	ug/L	0.042	0.0083	1	05/31/21 09:36	06/02/21 09:48	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019J	ug/L	0.092	0.018	1	05/31/21 09:36	06/02/21 09:48	193-39-5	
1-Methylnaphthalene	< 0.0061	ug/L	0.031	0.0061	1	05/31/21 09:36	06/02/21 09:48	90-12-0	
2-Methylnaphthalene	<0.0051	ug/L	0.026	0.0051	1	05/31/21 09:36	06/02/21 09:48	91-57-6	
Naphthalene	<0.019	ug/L	0.095	0.019	1	05/31/21 09:36	06/02/21 09:48	91-20-3	
Phenanthrene	0.019J	ug/L	0.072	0.014	1	05/31/21 09:36	06/02/21 09:48	85-01-8	
Pyrene	0.042	ug/L	0.040	0.0080	1	05/31/21 09:36	06/02/21 09:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	39-120		1	05/31/21 09:36			
Terphenyl-d14 (S)	88	%	10-159		1	05/31/21 09:36	06/02/21 09:48	1718-51-0	
8260 MSV UST	Analytical	Method: EPA 8	260						
	Pace Ana	lytical Services	- Green Bay						
Benzene	<0.30	ug/L	1.0	0.30	1		05/28/21 01:46	71-43-2	



ANALYTICAL RESULTS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Sample: 052521018	Lab ID:	40227542003	Collected:	05/25/21	14:08	Received: 05/	/26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical	Method: EPA 8	260						
	Pace Analy	tical Services	- Green Bay						
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/28/21 01:46	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/28/21 01:46		
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/28/21 01:46		
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/28/21 01:46		
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/28/21 01:46		
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/28/21 01:46		
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/28/21 01:46		
Surrogates		g , _							
Toluene-d8 (S)	98	%	70-130		1		05/28/21 01:46	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		05/28/21 01:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/28/21 01:46	2199-69-1	
	A - +	Mathada EDA O	00.0						
300.0 IC Anions	•	Method: EPA 3							
	Pace Analy	tical Services	- Green Bay						
Sulfate	1620	mg/L	100	22.2	50		06/10/21 02:36	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical	Method: EPA 3	53.2						
	Pace Anal	tical Services	- Green Bay						
Nitrogen, NO2 plus NO3	0.25	mg/L	0.25	0.059	1		06/07/21 13:11		
д,			0.20		-				
Sample: 052521019	Lab ID:	40227542004	Collected:	05/25/21	14:59	Received: 05/	/26/21 10:42 Ma	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	•	Method: EPA 8		ed					
Methane	2.6J	ug/L	2.8	0.58	1		06/03/21 09:35	74-82-8	
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepara	tion Metho	νη· ΕDΔ	3010			
0020 WIET ICEWIS	-	tical Services		illoit Metric	u. Li A	(3010			
A : -			-	4.4	_	05/07/04 05:54	00/00/04 04:04	7440 00 0	Do
Arsenic	<1.4	ug/L	5.0	1.4	5	05/27/21 05:51			D3
Barium	279	ug/L	11.6	3.5	5		06/03/21 01:24		Do
Cadmium	<0.76	ug/L	5.0	0.76	5	05/27/21 05:51			D3
Chromium	<5.1	ug/L	17.0	5.1	5	05/27/21 05:51			D3
Iron	<290	ug/L	1250	290	5		06/03/21 01:24		D3
Lead	<1.2	ug/L	5.0	1.2	5		06/03/21 01:24		D3
Manganese	116	ug/L	20.2	6.1	5		06/03/21 01:24		Do
Calanima	<1.6	ug/L	5.3	1.6	5	05/27/21 05:51			D3
Selenium				0.64	5	05/27/21 05:51	06/03/21 01:24	7440-22-4	D3
	<0.64	ug/L	2.5	0.01					
Selenium Silver 7470 Mercury		ug/L Method: EPA 7				7470			
Silver	Analytical I	•	470 Prepara			7470			
Silver	Analytical I	Method: EPA 7	470 Prepara				06/04/21 08:57	7420.07.0	

(920)469-2436



Date: 06/10/2021 04:11 PM

ANALYTICAL RESULTS



REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302 (920)469-2436



QUALITY CONTROL DATA

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 387029 Analysis Method: EPA 8015B Modified

QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2232604 Matrix: Water

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Methane ug/L <0.58 2.8 06/03/21 08:37

LABORATORY CONTROL SAMPLE & LCSD: 2232605 2232606 Spike LCS **LCSD** LCS LCSD % Rec Max RPD RPD Qualifiers Parameter Units Conc. Result Result % Rec % Rec Limits Methane ug/L 28.6 25.8 26.2 90 92 80-121 20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2232607 2232608 MS MSD

40227543003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Result Result % Rec **RPD** RPD Qual Result Conc. % Rec Limits 1010 20 Methane ug/L 472 286 286 1040 190 198 10-200 2

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QUALITY CONTROL DATA

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 387040 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2232645 Matrix: Water
Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Mercury ug/L <0.066 0.20 06/04/21 08:37

LABORATORY CONTROL SAMPLE: 2232646

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2232647 2232648

MS MSD

40227542001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec **RPD** RPD Qual Result Limits <0.066 5 Mercury ug/L 5 4.6 4.7 93 94 85-115 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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

QC Batch: 386501 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2230154 Matrix: Water
Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.28	1.0	06/02/21 22:07	
Barium	ug/L	< 0.70	2.3	06/02/21 22:07	
Cadmium	ug/L	<0.15	1.0	06/02/21 22:07	
Chromium	ug/L	<1.0	3.4	06/02/21 22:07	
Iron	ug/L	<58.0	250	06/02/21 22:07	
Lead	ug/L	<0.24	1.0	06/02/21 22:07	
Manganese	ug/L	<1.2	4.0	06/02/21 22:07	
Selenium	ug/L	< 0.32	1.1	06/02/21 22:07	
Silver	ug/L	<0.13	0.50	06/02/21 22:07	

LABORATORY CONTROL SAMI	PLE: 2230155
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Date: 06/10/2021 04:11 PM

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Arsenic	ug/L	500	506	101	80-120	
Barium	ug/L	500	515	103	80-120	
Cadmium	ug/L	500	531	106	80-120	
Chromium	ug/L	500	511	102	80-120	
Iron	ug/L	5000	5210	104	80-120	
Lead	ug/L	500	480	96	80-120	
Manganese	ug/L	500	500	100	80-120	
Selenium	ug/L	500	520	104	80-120	
Silver	ug/L	250	248	99	80-120	

MATRIX SPIKE & MATRIX S	PIKE DUPLIC	CATE: 2230			2230157							
Parameter	4 Units	0227539001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	4.5J	500	500	513	499	102	99	75-125	3	20	
Barium	ug/L	544	500	500	1050	1020	101	96	75-125	3	20	
Cadmium	ug/L	0.79J	500	500	508	501	102	100	75-125	1	20	
Chromium	ug/L	<5.1	500	500	510	505	102	101	75-125	1	20	
Iron	ug/L	47100	5000	5000	52200	51400	102	86	75-125	2	20	
Lead	ug/L	<1.2	500	500	499	494	100	99	75-125	1	20	
Manganese	ug/L	2160	500	500	2640	2600	96	88	75-125	1	20	
Selenium	ug/L	<1.6	500	500	515	506	103	101	75-125	2	20	
Silver	ug/L	< 0.64	250	250	233	229	93	92	75-125	2	20	

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Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 386492 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2230146 Matrix: Water

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/27/21 17:34	
1,3,5-Trimethylbenzene	ug/L	< 0.36	1.0	05/27/21 17:34	
Benzene	ug/L	< 0.30	1.0	05/27/21 17:34	
Ethylbenzene	ug/L	< 0.33	1.0	05/27/21 17:34	
m&p-Xylene	ug/L	< 0.70	2.0	05/27/21 17:34	
o-Xylene	ug/L	< 0.35	1.0	05/27/21 17:34	
Toluene	ug/L	< 0.29	1.0	05/27/21 17:34	
Xylene (Total)	ug/L	<1.0	3.0	05/27/21 17:34	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	05/27/21 17:34	
4-Bromofluorobenzene (S)	%	101	70-130	05/27/21 17:34	
Toluene-d8 (S)	%	100	70-130	05/27/21 17:34	

LABORATORY CONTROL SAMPL	.E: 2230147					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	50	57.8	116	70-132	
Ethylbenzene	ug/L	50	61.5	123	80-123	
m&p-Xylene	ug/L	100	120	120	70-130	
o-Xylene	ug/L	50	58.7	117	70-130	
Toluene	ug/L	50	57.1	114	80-121	
Xylene (Total)	ug/L	150	179	119	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SP	IKE DUPLIC	CATE: 2230	310		2230311							
			MS	MSD								
	4	0227535021	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	<0.30	50	50	54.6	58.7	109	117	70-132	7	20	
Ethylbenzene	ug/L	< 0.33	50	50	57.1	63.0	114	126	80-123	10	20	M1
m&p-Xylene	ug/L	< 0.70	100	100	113	124	113	124	70-130	9	20	
o-Xylene	ug/L	< 0.35	50	50	55.2	61.2	110	122	70-130	10	20	
Toluene	ug/L	< 0.29	50	50	53.5	58.6	107	117	80-121	9	20	
Xylene (Total)	ug/L	<1.0	150	150	168	185	112	124	70-130	10	20	
1,2-Dichlorobenzene-d4 (S)	%						101	98	70-130			
4-Bromofluorobenzene (S)	%						106	104	70-130			

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Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2230310 2230311

> MS MSD

40227535021 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec RPD RPD Qual Result Limits Toluene-d8 (S) % 97 70-130

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Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 386669 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002

METHOD BLANK: 2231110 Matrix: Water

Associated Lab Samples: 40227542001, 40227542002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	06/01/21 07:59	
2-Methylnaphthalene	ug/L	< 0.0049	0.024	06/01/21 07:59	
Acenaphthene	ug/L	<0.0061	0.030	06/01/21 07:59	
Acenaphthylene	ug/L	< 0.0050	0.025	06/01/21 07:59	
Anthracene	ug/L	< 0.010	0.052	06/01/21 07:59	
Benzo(a)anthracene	ug/L	< 0.0076	0.038	06/01/21 07:59	
Benzo(a)pyrene	ug/L	< 0.011	0.053	06/01/21 07:59	
Benzo(b)fluoranthene	ug/L	< 0.0057	0.029	06/01/21 07:59	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	06/01/21 07:59	
Benzo(k)fluoranthene	ug/L	< 0.0076	0.038	06/01/21 07:59	
Chrysene	ug/L	< 0.013	0.065	06/01/21 07:59	
Dibenz(a,h)anthracene	ug/L	< 0.010	0.050	06/01/21 07:59	
Fluoranthene	ug/L	< 0.011	0.053	06/01/21 07:59	
Fluorene	ug/L	<0.0080	0.040	06/01/21 07:59	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	06/01/21 07:59	
Naphthalene	ug/L	<0.018	0.092	06/01/21 07:59	
Phenanthrene	ug/L	< 0.014	0.069	06/01/21 07:59	
Pyrene	ug/L	< 0.0076	0.038	06/01/21 07:59	
2-Fluorobiphenyl (S)	%	62	39-120	06/01/21 07:59	
Terphenyl-d14 (S)	%	97	10-159	06/01/21 07:59	

LABORATORY CONTROL SAMPLE:	2231111					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1-Methylnaphthalene	ug/L		1.5	77	37-120	
2-Methylnaphthalene	ug/L	2	1.5	77	38-120	
Acenaphthene	ug/L	2	1.5	76	49-120	
Acenaphthylene	ug/L	2	1.5	74	43-85	
Anthracene	ug/L	2	1.5	73	57-110	
Benzo(a)anthracene	ug/L	2	1.6	80	47-118	
Benzo(a)pyrene	ug/L	2	1.6	81	70-120	
Benzo(b)fluoranthene	ug/L	2	1.6	82	54-97	
Benzo(g,h,i)perylene	ug/L	2	0.63	32	26-74	
Benzo(k)fluoranthene	ug/L	2	1.8	91	73-126	
Chrysene	ug/L	2	1.9	95	75-151	
Dibenz(a,h)anthracene	ug/L	2	0.47	24	13-72	
Fluoranthene	ug/L	2	1.8	89	63-120	
Fluorene	ug/L	2	1.6	78	53-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.4	69	51-101	

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Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

LABORATORY CONTROL CAMPLE: 2224444

LABORATORY CONTROL SAMPLE:	2231111	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Naphthalene	ug/L		1.5	76	41-120	
Phenanthrene	ug/L	2	1.7	83	47-100	
Pyrene	ug/L	2	1.8	90	70-128	
2-Fluorobiphenyl (S)	%			79	39-120	
Terphenyl-d14 (S)	%			106	10-159	

MATRIX SPIKE & MATRIX S	PIKE DUPLIC	CATE: 2231	112		2231113							
			MS	MSD								
	4	0227543003	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
1-Methylnaphthalene	ug/L	<0.0056	2	1.9	1.1	1.1	53	57	16-120	5	28	
2-Methylnaphthalene	ug/L	0.0048J	2	1.9	1.0	1.1	52	56	29-120	4	31	
Acenaphthene	ug/L	<0.0058	2	1.9	1.1	1.1	55	59	33-120	3	30	
Acenaphthylene	ug/L	< 0.0047	2	1.9	1.0	1.1	53	56	21-85	3	26	
Anthracene	ug/L	< 0.010	2	1.9	1.1	1.1	55	55	16-114	4	36	
Benzo(a)anthracene	ug/L	< 0.0072	2	1.9	1.2	1.1	60	57	10-118	7	35	
Benzo(a)pyrene	ug/L	< 0.010	2	1.9	1.1	1.1	56	58	10-120	1	37	
Benzo(b)fluoranthene	ug/L	< 0.0055	2	1.9	1.1	1.1	58	56	10-97	5	36	
Benzo(g,h,i)perylene	ug/L	< 0.0065	2	1.9	0.48	0.44	24	23	10-74	9	45	
Benzo(k)fluoranthene	ug/L	< 0.0072	2	1.9	1.2	1.2	61	62	10-126	1	41	
Chrysene	ug/L	< 0.012	2	1.9	1.4	1.4	70	72	10-161	0	30	
Dibenz(a,h)anthracene	ug/L	< 0.0095	2	1.9	0.44	0.43	22	23	10-72	2	50	
Fluoranthene	ug/L	< 0.010	2	1.9	1.4	1.3	69	68	35-120	5	33	
Fluorene	ug/L	< 0.0076	2	1.9	1.1	1.1	57	59	17-120	0	33	
Indeno(1,2,3-cd)pyrene	ug/L	< 0.017	2	1.9	0.82	0.76	42	39	10-101	8	41	
Naphthalene	ug/L	< 0.017	2	1.9	1.0	1.1	52	56	24-120	4	30	
Phenanthrene	ug/L	< 0.013	2	1.9	1.3	1.2	65	64	15-100	4	30	
Pyrene	ug/L	0.011J	2	1.9	1.4	1.4	70	70	14-137	4	31	
2-Fluorobiphenyl (S)	%						57	60	39-120			
Terphenyl-d14 (S)	%						81	79	10-159			

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Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 386717 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542003, 40227542004

METHOD BLANK: 2231609 Matrix: Water

Associated Lab Samples: 40227542003, 40227542004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	06/01/21 08:36	
2-Methylnaphthalene	ug/L	< 0.0049	0.024	06/01/21 08:36	
Acenaphthene	ug/L	< 0.0061	0.030	06/01/21 08:36	
Acenaphthylene	ug/L	< 0.0050	0.025	06/01/21 08:36	
Anthracene	ug/L	< 0.010	0.052	06/01/21 08:36	
Benzo(a)anthracene	ug/L	< 0.0076	0.038	06/01/21 08:36	
Benzo(a)pyrene	ug/L	< 0.011	0.053	06/01/21 08:36	
Benzo(b)fluoranthene	ug/L	< 0.0057	0.029	06/01/21 08:36	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	06/01/21 08:36	
Benzo(k)fluoranthene	ug/L	< 0.0076	0.038	06/01/21 08:36	
Chrysene	ug/L	< 0.013	0.065	06/01/21 08:36	
Dibenz(a,h)anthracene	ug/L	< 0.010	0.050	06/01/21 08:36	
Fluoranthene	ug/L	< 0.011	0.053	06/01/21 08:36	
Fluorene	ug/L	<0.0080	0.040	06/01/21 08:36	
ndeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	06/01/21 08:36	
Naphthalene	ug/L	<0.018	0.092	06/01/21 08:36	
Phenanthrene	ug/L	< 0.014	0.069	06/01/21 08:36	
Pyrene	ug/L	< 0.0076	0.038	06/01/21 08:36	
2-Fluorobiphenyl (S)	%	54	39-120	06/01/21 08:36	
Terphenyl-d14 (S)	%	85	10-159	06/01/21 08:36	

LABORATORY CONTROL SAMPL		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1-Methylnaphthalene	ug/L		1.5	74	37-120	
2-Methylnaphthalene	ug/L	2	1.5	74	38-120	
Acenaphthene	ug/L	2	1.4	72	49-120	
Acenaphthylene	ug/L	2	1.4	71	43-85	
Anthracene	ug/L	2	1.3	67	57-110	
Benzo(a)anthracene	ug/L	2	1.5	73	47-118	
Benzo(a)pyrene	ug/L	2	1.6	78	70-120	
Benzo(b)fluoranthene	ug/L	2	1.5	75	54-97	
Benzo(g,h,i)perylene	ug/L	2	0.59	29	26-74	
Benzo(k)fluoranthene	ug/L	2	1.7	85	73-126	
Chrysene	ug/L	2	1.8	89	75-151	
Dibenz(a,h)anthracene	ug/L	2	0.45	22	13-72	
Fluoranthene	ug/L	2	1.7	85	63-120	
Fluorene	ug/L	2	1.5	74	53-120	
ndeno(1,2,3-cd)pyrene	ug/L	2	1.2	62	51-101	

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Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

LABORATORY CONTROL SAMPLE: 2231610

Doromotor	Units	Spike	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Naphthalene	ug/L	2	1.5	73	41-120	
Phenanthrene	ug/L	2	1.6	79	47-100	
Pyrene	ug/L	2	1.7	86	70-128	
2-Fluorobiphenyl (S)	%			72	39-120	
Terphenyl-d14 (S)	%			106	10-159	

MATRIX SPIKE & MATRIX S	PIKE DUPLIC	CATE: 2231	611		2231612							
			MS	MSD								
	4	0227690005	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
1-Methylnaphthalene	ug/L	<0.0054	1.9	1.9	1.0	0.98	56	53	16-120		28	
2-Methylnaphthalene	ug/L	< 0.0045	1.9	1.9	1.1	0.98	56	53	29-120	7	31	
Acenaphthene	ug/L	< 0.0056	1.9	1.9	1.1	1.0	57	55	33-120	5	30	
Acenaphthylene	ug/L	< 0.0046	1.9	1.9	1.1	0.98	56	53	21-85	8	26	
Anthracene	ug/L	< 0.0096	1.9	1.9	1.2	1.1	64	57	16-114	13	36	
Benzo(a)anthracene	ug/L	< 0.0069	1.9	1.9	1.1	1.0	60	56	10-118	8	35	
Benzo(a)pyrene	ug/L	< 0.0097	1.9	1.9	1.1	0.99	58	54	10-120	9	37	
Benzo(b)fluoranthene	ug/L	< 0.0053	1.9	1.9	1.1	1.0	57	55	10-97	6	36	
Benzo(g,h,i)perylene	ug/L	< 0.0062	1.9	1.9	0.42	0.39	22	21	10-74	5	45	
Benzo(k)fluoranthene	ug/L	< 0.0069	1.9	1.9	1.1	0.97	57	53	10-126	9	41	
Chrysene	ug/L	< 0.012	1.9	1.9	1.3	1.2	71	67	10-161	9	30	
Dibenz(a,h)anthracene	ug/L	< 0.0092	1.9	1.9	0.42	0.40	22	21	10-72	5	50	
Fluoranthene	ug/L	< 0.0098	1.9	1.9	1.3	1.2	68	64	35-120	8	33	
Fluorene	ug/L	< 0.0073	1.9	1.9	1.1	1.1	59	58	17-120	3	33	
Indeno(1,2,3-cd)pyrene	ug/L	< 0.016	1.9	1.9	0.74	0.68	39	37	10-101	9	41	
Naphthalene	ug/L	< 0.017	1.9	1.9	1.0	0.93	55	50	24-120	11	30	
Phenanthrene	ug/L	< 0.013	1.9	1.9	1.2	1.2	64	62	15-100	5	30	
Pyrene	ug/L	< 0.0070	1.9	1.9	1.4	1.3	72	68	14-137	8	31	
2-Fluorobiphenyl (S)	%						57	61	39-120			
Terphenyl-d14 (S)	%						80	78	10-159			

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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 387453 Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2234911 Matrix: Water

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Sulfate mg/L <0.44 2.0 06/09/21 09:59

LABORATORY CONTROL SAMPLE: 2234912

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units Sulfate 20 18.4 92 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234913 2234914

MS MSD

40227539010 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Result **RPD** RPD Result Conc. Conc. % Rec % Rec Limits Qual Sulfate mg/L 138 200 200 350 350 106 106 90-110 0 15

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234915 2234916

MS MSD 40227543003 MS MSD MS MSD % Rec Spike Spike Max **RPD** RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Sulfate 100 46.5 100 151 149 105 103 15 mg/L 90-110

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.



Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

QC Batch: 387271 Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

METHOD BLANK: 2234149 Matrix: Water

Associated Lab Samples: 40227542001, 40227542002, 40227542003, 40227542004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Nitrogen, NO2 plus NO3 mg/L <0.059 0.25 06/07/21 13:05

LABORATORY CONTROL SAMPLE: 2234150

Spike LCS LCS % Rec
Parameter Units Conc. Result % Rec Limits Qualifiers

Nitrogen, NO2 plus NO3 mg/L 2.5 2.6 103 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234151 2234152

MS MSD

40227543003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Result **RPD** RPD Result Conc. Conc. % Rec % Rec Limits Qual Nitrogen, NO2 plus NO3 20 M0 mg/L < 0.059 2.5 2.5 2.1 2.1 86 85 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2234153 2234154

MS MSD

50288421004 MS MSD MS MSD % Rec Spike Spike Max **RPD** RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Nitrogen, NO2 plus NO3 9.2 2.5 96 2.5 11.6 11.6 97 0 20 mg/L 90-110

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.



QUALIFIERS

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 06/10/2021 04:11 PM

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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70712 GREEN BAY MGP

Pace Project No.: 40227542

Date: 06/10/2021 04:11 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40227542001	052521016	EPA 8015B Modified	387029		
40227542002	052521017	EPA 8015B Modified	387029		
40227542003	052521018	EPA 8015B Modified	387029		
40227542004	052521019	EPA 8015B Modified	387029		
40227542001	052521016	EPA 3010	386501	EPA 6020	386565
40227542002	052521017	EPA 3010	386501	EPA 6020	386565
40227542003	052521018	EPA 3010	386501	EPA 6020	386565
40227542004	052521019	EPA 3010	386501	EPA 6020	386565
40227542001	052521016	EPA 7470	387040	EPA 7470	387083
40227542002	052521017	EPA 7470	387040	EPA 7470	387083
40227542003	052521018	EPA 7470	387040	EPA 7470	387083
40227542004	052521019	EPA 7470	387040	EPA 7470	387083
40227542001	052521016	EPA 3510	386669	EPA 8270E by SIM	386705
40227542002	052521017	EPA 3510	386669	EPA 8270E by SIM	386705
40227542003	052521018	EPA 3510	386717	EPA 8270E by SIM	386724
40227542004	052521019	EPA 3510	386717	EPA 8270E by SIM	386724
40227542001	052521016	EPA 8260	386492		
40227542002	052521017	EPA 8260	386492		
40227542003	052521018	EPA 8260	386492		
40227542004	052521019	EPA 8260	386492		
40227542001	052521016	EPA 300.0	387453		
40227542002	052521017	EPA 300.0	387453		
40227542003	052521018	EPA 300.0	387453		
40227542004	052521019	EPA 300.0	387453		
40227542001	052521016	EPA 353.2	387271		
40227542002	052521017	EPA 353.2	387271		
40227542003	052521018	EPA 353.2	387271		
40227542004	052521019	EPA 353.2	387271		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section C

A 1448 5126121 Section A Required Client Information: Company: Ramboll Report To: Glasford, Duncan Stacing Better Conthey Invoice Information: 414-221-2156 Address: Attention: Accounts Prompled Frank Dombres 234 W. Florida St, 5th Floor Copy To:/s/s date essle com Milwaukee, WI 53204 Company Name: WEC Businous Sorvices LIC Address: 10 60X Email: dolastord@ramboll.com Staci. wetge Falville. 19800, GRONAL, WI SY307 Purchase Order #: Pace Quote: Requested Due Date 4/4-335-35-3 Project Name: Green Bay MGP Pace Project Manager: brian.basten@pacelabs.com Project #: Pace Profile #: 4543 Requested Analysis Filtered (Y/N) (see valid codes to left) C=COMP) COLLECTED CODE Preservatives Drinking Water SAMPLE TEMP AT COLLECTION Water WT (G=GRAB Waste Water SAMPLE ID Product Analyses Test Residual Chlorine (Y/N) START One Character per box. SAMPLE TYPE Methane by 8015B (A-Z, 0-9/. -) MATRIX CODE Sample Ids must be unique PAH by 8270 Methanol HN03 HC! NaOH Sulfate DATE TIME DATE 052521013 121 052521019 3 0525-21015 4 :052521016 5 (z) 052521017 00 6 002 (2) 05 25 21018 7. XX الالا ٧ 6003 2 052521019 8 ००प × X (2) 052521020 9 052521021 10 052521022 700 052621023 X X K とメ 1)52621024 x ADDITIONAL COMMENTS RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION SAMPLE CONDITIONS 5-26-21 /We Sludu 45 042 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: DATE Signed: 5-26-2/

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

Client Name: Lanboll Project # U/O All containers needing preservation have been checked and noted below: ▼es □No □N/A

Initial when Date/ Lab Std #ID of preservation (if pH adjusted): completed: Time: VaOH+Zn Act pH ≥9 'OA Vials (>6mm) Glass Plastic Vials after adjusted Jars General 12SO4 pH ≤2 aOH pH ≥12 Volume AG10 BG10 AG1H AG4S AG4U AG5U AG2S BG3U BP1U WGFU Ħ **BP3U BP3B BP3N** VG9A VG9M WPFU (mL) **BP3S** DG9T VG9D **/G9**0 VG9H JGFU JG9U Pace **ZPLC** SP5T Lab # ß 001 7 6 2.5 / 5 / 10 002 2 6 2.5/5/10 003 V 2.5 / 5 / 10 004 1 6 005 2.5/5/10 2.5 / 5 / 10 006 2.5 / 5 / 10 007 2.5 / 5 / 10 008 2.5 / 5 / 10 009 2.5 / 5 / 10 010 2.5/5/10 011 2.5 / 5 / 10 012 2.5/5/10 013 2.5 / 5 / 10 014 2.5/5/10 015 2.5 / 5 / 10 016 2.5/5/10 017 2.5 / 5 / 10 018 2.5 / 5 / 10 019 2.5 / 5 / 10 020 2.5 / 5 / 10 Exceptions to preservation check: łОА Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: Headspace in VOA Vials (>6mm): □Yes 🗖 ਹ □N/A *If yes look in headspace column AG1U 1 liter amber glass BP1U 1 liter plastic unpres VG9A 40 mL clear ascorbic **JGFU** 4 oz amber jar unpres BG1U 1 liter clear glass BP3U 250 mL plastic unpres DG9T 40 mL amber Na Thio JG9U AG1H 1 liter amber glass HCL 9 oz amber jar unpres BP3B 250 mL plastic NaOH VG9U 40 mL clear vial unpres **WGFU** 4 oz clear jar unpres AG4S 125 mL amber glass H2SO4 BP3N 250 mL plastic HNO3 VG9H 40 mL clear vial HCL **WPFU** 4 oz plastic jar unpres AG4U 120 mL amber glass unpres BP3S 250 mL plastic H2SO4 VG9M 40 mL clear vial MeOH 120 mL plastic Na Thiosulfate SP5T AG5U 100 mL amber glass unpres VG9D 40 mL clear vial DI **ZPLC** AG2S 500 mL amber glass H2SO4 ziploc bag GN BG3U 250 mL clear glass unpres

/Pace Analytical*	
1241 Bellevue Street Green Bay	MI E 420

Document Name:

Sample Condition Upon Receipt (SCUR)

Document No.: ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020

Author:

Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: [MDo]		Project #:	
		MO#	: 40227542
Courier: CS Logistics Fed Ex F	Speedee TUPS T	vvaitco	
1 400 0	her:		
Tracking #:		4の2275/	42
Custody Seal on Cooler/Box Present:	yes no Seals intac	t: Tyes Tno	
Custody Seal on Samples Present: Packing Material: Bubble Wrap	yes no Seals intac	t: 「yes 「no	
Thermometer Used SR - 90	Bubble Bags Nor	ne 🛘 Other	
	Type of Ice: Wet	Blue Dry None Sam	ples on ice, cooling process has begun
	70011: 1.3		Person examining contents:
Temp Blank Present: Yes no	Biological	Tissue is Frozen: TyesTr	Date: SUN /Initials:
Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C if ship	ped on Dry Ice.		Labeled By Initials: Sky
Chain of Custody Present:	Dyfes □No □N/A	1.	
Chain of Custody Filled Out:	Yes DNo DN/A	2.	
Chain of Custody Relinquished:	ZYes □No □N/A		
Sampler Name & Signature on COC:	Tres Ino In/A		
Samples Arrived within Hold Time:	Tres 🗆 No	5.	
 VOA Samples frozen upon receipt 	□Yes □No	Date/Time:	
Short Hold Time Analysis (<72hr):	Se □No	6.	
Rush Turn Around Time Requested:	□Yes □No	7.	
Sufficient Volume:		8.	
For Analysis: ☐res ☐No N	IS/MSD: □Yes 🖼 □N/A	1	
Correct Containers Used:		9.	
-Pace Containers Used:	y Ses □No □N/A	J.	
-Pace IR Containers Used:	□Yes □No □MĀ		
Containers Intact:		10.	
iltered volume received for Dissolved tests			
sample Labels match COC:	DAes □No □N/A		
-Includes date/time/ID/Analysis Matr	1	12.	
rip Blank Present:	□Yes ₩No □N/A	13	
rip Blank Custody Seals Present	□Yes □No □M/A		
ace Trip Blank Lot # (if purchased):			
lient Notification/ Resolution:		If checked, see a	ittached form for additional comments
Person Contacted:	Date/T		- accidental confinents
Comments/ Resolution:			-
M Review is documented electronically	in LIMs. By releasing the r	project, the PM acknowledges	they have reviewed the sample losi