ENVIRONMENT
& HEALTH

Sent Electronically to jane.pfeiffer@wisconsin.gov and WDNR Portal

Jane K Pfeiffer
Hydrogeologist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Jr Drive
Milwaukee, WI 53212-3128

June 28, 2022

Ramboll
234 West Florida St., 5th Floor
Milwaukee, WI 53204
USA

Phone: 414-837-3607
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www.ramboll.com

Ref. 1690023383

GROUNDWATER RESULTS
BETA-BECHER ACQUISITION CO, LLC HISTORIC FILL SITE
147 EAST BECHER STREET ("site")
MILWAUKEE, WISCONSIN
BRRTS 02-41-589088

Dear Ms. Pfeiffer:

Ramboll received the analytical results for the groundwater sampling that was completed on June 15, 2022, from five monitoring wells at the site. This transmittal is in accordance with the sample results notification required under Wisconsin Administrative Code Chapter NR 716.14(2). The laboratory analytical results are summarized in **Table 1**, the monitoring well locations are illustrated in **Figure 1**, and the laboratory report is provided as **Attachment A**. A discussion of these results will be included in an upcoming report.

Please let us know if you have any questions or if you would like us to upload a copy of this submittal to the WDNR document portal.

Sincerely yours,

Richard Mazurkiewicz
Managing Consultant

D 262 901 3502
rmazurkiewicz@ramboll.com

Daniel W. Petersen, Ph.D., P.G.
Principal

D 312.288.3883
dpetersen@ramboll.com

c: Nick Orthmann, Bear Development, LLC

Attachments:

Table

TABLE 1

VOCs, PAHs, Metals and PCBs in Groundwater

Filer Stowell Property

147 East Becher Street, Milwaukee, Wisconsin

Ramboll Project 1690023383

Analyte	PAL [a]	ES [b]	MW-1	MW-2	MW-3	MW-4	MW-5
			06/15/2022 µg/L	06/15/2022 µg/L	06/15/2022 µg/L	06/15/2022 µg/L	06/15/2022 µg/L
VOCs							
1,1,1-Trichloroethane	**40**	**200**	<0.30	0.88 J	<0.30	<0.30	<0.30
1,1-Dichloroethene	**0.7**	**7**	<0.58	<0.58	<0.58	<0.58	<0.58
Naphthalene	**10**	**100**	<1.1	<1.1	<1.1	<1.1	<1.1
PAHs							
Acenaphthene	NE	NE	0.020 J	<0.013	0.038 J	0.043 J	0.035 J
Acenaphthylene	NE	NE	<0.013	<0.012	<0.012	<0.012	<0.012
Anthracene	NE	NE	<0.019	<0.018	<0.018	<0.018	0.021 J
Benzo(a)anthracene	NE	NE	<0.014	<0.013	<0.013	<0.013	<0.013
Benzo(a)pyrene	**0.02**	**0.2**	<0.013	<0.012	<0.012	<0.012	<0.012
Benzo(b)fluoranthene	**0.02**	**0.2**	<0.0095	<0.0088	<0.0089	<0.0088	<0.0088
Benzo(g,h,i)perylene	NE	NE	<0.024	<0.023	<0.023	<0.023	<0.023
Benzo(k)fluoranthene	NE	NE	<0.023	<0.022	<0.022	<0.022	<0.022
Chrysene	**0.02**	**0.2**	<0.013	<0.012	<0.012	<0.012	<0.012
Dibenz(a,h)anthracene	NE	NE	<0.019	<0.017	<0.017	<0.017	<0.017
Fluoranthene	**80**	**400**	<0.027	<0.025	<0.026	<0.025	<0.025
Fluorene	**80**	**400**	<0.025	<0.023	<0.023	<0.023	<0.023
Indeno(1,2,3-cd)pyrene	NE	NE	<0.016	<0.015	<0.015	<0.015	<0.015
Naphthalene	**10**	**100**	0.29	0.045 J	0.45	0.34	0.32
1-Methylnaphthalene	NE	NE	0.067	<0.017	0.094	0.11	0.083
2-Methylnaphthalene	NE	NE	0.016 J	<0.013	0.035 J	0.032 J	0.030 J
Phenanthrene	NE	NE	<0.027	<0.025	<0.025	<0.025	<0.025
Pyrene	**50**	**250**	<0.024	<0.022	<0.022	<0.022	<0.022
RCRA METALS							
Barium, Dissolved	**400**	**2,000**	NA	NA	NA	NA	NA
Chromium, Dissolved	**10**	**100**	NA	NA	NA	NA	NA
Lead, Dissolved	**1.5**	**15**	<5.9	<5.9	<5.9	<5.9	<5.9
PolyChlorinated Biphenyls (PCBs)							
Total PCBs	**0.003**	**0.03**	NA	NA	NA	NA	NA

Notes:

All groundwater concentrations are reported in micrograms per Liter (µg/L).

Only those compounds detected are shown on this table.

a - Analyte concentration exceeds WAC NR Ch. 140 Preventive Action limit (PAL; February 2021).

b - Analyte concentration exceeds WAC NR Ch. 140 Enforcement Standard (ES; February 2021).

J = Laboratory flag indicating that results reported between the Method Detection Limit and Limit of Quantitation (LOQ), which is a result that is less certain than results at or above the LOQ.

NE = No established toxicity criteria for analyte.

NA = Not analyzed

VOCs = Volatile Organic Compounds - USEPA Method 8260.

PAHs = Polynuclear Aromatic Hydrocarbons - USEPA Method 8270E.

RCRA Metals = Resource Conservation and Recovery Act Metals - USEPA Method 6020/7471.

< = Analyte not detected above the laboratory Method detection limit (laboratory method detection limit in parentheses).

Bold values exceed the WAC Ch. 140 ES.

Water samples designated as SB-1W in laboratory report for water sample collected from temporary monitoring well TW-1.

Figure

LEGEND:

- FILER & STOWELL SITE BOUNDARY (APPROXIMATE)
- PROPERTY BOUNDARY (APPROXIMATE)
- PROPOSED NEW BUILDINGS
- MW-1 NR 141 GROUNDWATER MONITORING WELLS

New Barons Brewing Coop, Twisted Path Distillery, Beer City Screen Printing)

Boat Storage

BP AMOCO

E Becher St

Wheel & Sprocket

S Robinson Avenue

Restaurant Depot

Former Industrial Property

Railroad

Multi-Tenent Apartments

S 1st Street

Staffing Partners

Former Industrial Property

Kinnickinnic River

W Lincoln Avenue

E Ward Street

MKE Urban Stables

Proposed Amenity Building (fitness, conference, common areas)

Proposed Pond

MW-1 MW-2 MW-3 MW-4 MW-5

0 120
SCALE IN FEET

SITE FEATURES:
1. GARAGE (BUILDING A-1)
2. FOUR-STORY OFFICE BUILDING (BUILDING D-1)
3. INTEGRATED TOOL & MACHINE BUILDING (D-2)
4. SAW MILL BUILDING (C-1)
5. PAINT AND SAND BLAST BOOTHS
6. STORAGE BUILDING (BUILDING C-3)
7. FORMER FORGE BUILDING (BUILDING C-4)
8. BOAT STORAGE
9. FORMER BOAT MAINTENANCE AREA (BUILDING B-3)
10. POWER HOUSE (BUILDING A-3 THROUGH A-6)
11. PATTERN STORAGE (BUILDING A-2)
12. OFFICE (BUILDING B-7)
13. TREE/LOG STORAGE AREA

SITE LAYOUT

Filer & Stowell Property
147 East Becher Street
Milwaukee, Wisconsin 53207

RAMBOLL

FIGURE 1

DRAFTED BY: RPM | DATE: 06/27/2022 | PROJECT: 1690023383

Attachment A

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

June 23, 2022

Richard Mazurkiewicz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1690023383
Pace Project No.: 40246646

Dear Richard Mazurkiewicz:

Enclosed are the analytical results for sample(s) received by the laboratory on June 16, 2022. 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,

Steven Mleczko
steve.mleczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Duncan Glasford, Ramboll US Consulting, Inc.
Kyle Heimstead, Ramboll US Consulting, Inc.

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

CERTIFICATIONS

Project: 1690023383
Pace Project No.: 40246646

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

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

SAMPLE SUMMARY

Project: 1690023383
Pace Project No.: 40246646

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40246646001	**MW-5**	Water	06/15/22 09:05	06/16/22 08:15
40246646002	**MW-1**	Water	06/15/22 09:55	06/16/22 08:15
40246646003	**MW-4**	Water	06/15/22 10:40	06/16/22 08:15
40246646004	**MW-3**	Water	06/15/22 11:35	06/16/22 08:15
40246646005	**MW-2**	Water	06/15/22 12:35	06/16/22 08:15
40246646006	**TRIP BLANK**	Water	06/15/22 00:00	06/16/22 08:15

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

SAMPLE ANALYTE COUNT

Project: 1690023383
Pace Project No.: 40246646

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40246646001	**MW-5**	EPA 6010D	TXW	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	JAV	6
40246646002	**MW-1**	EPA 6010D	TXW	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	JAV	6
40246646003	**MW-4**	EPA 6010D	TXW	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	JAV	6
40246646004	**MW-3**	EPA 6010D	TXW	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	JAV	6
40246646005	**MW-2**	EPA 6010D	TXW	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	JAV	6
40246646006	**TRIP BLANK**	EPA 8260	JAV	6

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690023383
Pace Project No.: 40246646

Sample: MW-5 **Lab ID: 40246646001** Collected: 06/15/22 09:05 Received: 06/16/22 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	06/17/22 05:46	06/20/22 20:36	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**0.035J**	ug/L	0.048	0.013	1	06/17/22 07:40	06/20/22 11:20	83-32-9	
Acenaphthylene	**<0.012**	ug/L	0.048	0.012	1	06/17/22 07:40	06/20/22 11:20	208-96-8	
Anthracene	**0.021J**	ug/L	0.048	0.018	1	06/17/22 07:40	06/20/22 11:20	120-12-7	
Benzo(a)anthracene	**<0.013**	ug/L	0.048	0.013	1	06/17/22 07:40	06/20/22 11:20	56-55-3	
Benzo(a)pyrene	**<0.012**	ug/L	0.048	0.012	1	06/17/22 07:40	06/20/22 11:20	50-32-8	
Benzo(b)fluoranthene	**<0.0088**	ug/L	0.048	0.0088	1	06/17/22 07:40	06/20/22 11:20	205-99-2	
Benzo(g,h,i)perylene	**<0.023**	ug/L	0.048	0.023	1	06/17/22 07:40	06/20/22 11:20	191-24-2	
Benzo(k)fluoranthene	**<0.022**	ug/L	0.048	0.022	1	06/17/22 07:40	06/20/22 11:20	207-08-9	
Chrysene	**<0.012**	ug/L	0.048	0.012	1	06/17/22 07:40	06/20/22 11:20	218-01-9	
Dibenz(a,h)anthracene	**<0.017**	ug/L	0.048	0.017	1	06/17/22 07:40	06/20/22 11:20	53-70-3	
Fluoranthene	**<0.025**	ug/L	0.048	0.025	1	06/17/22 07:40	06/20/22 11:20	206-44-0	
Fluorene	**<0.023**	ug/L	0.048	0.023	1	06/17/22 07:40	06/20/22 11:20	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.015**	ug/L	0.048	0.015	1	06/17/22 07:40	06/20/22 11:20	193-39-5	
1-Methylnaphthalene	**0.083**	ug/L	0.048	0.017	1	06/17/22 07:40	06/20/22 11:20	90-12-0	
2-Methylnaphthalene	**0.030J**	ug/L	0.048	0.013	1	06/17/22 07:40	06/20/22 11:20	91-57-6	
Naphthalene	**0.32**	ug/L	0.048	0.019	1	06/17/22 07:40	06/20/22 11:20	91-20-3	
Phenanthrene	**<0.025**	ug/L	0.048	0.025	1	06/17/22 07:40	06/20/22 11:20	85-01-8	
Pyrene	**<0.022**	ug/L	0.048	0.022	1	06/17/22 07:40	06/20/22 11:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	44-120		1	06/17/22 07:40	06/20/22 11:20	321-60-8	
Terphenyl-d14 (S)	64	%	49-120		1	06/17/22 07:40	06/20/22 11:20	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/20/22 16:13	75-35-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/20/22 16:13	91-20-3	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/20/22 16:13	71-55-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/20/22 16:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/20/22 16:13	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		06/20/22 16:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690023383
Pace Project No.: 40246646

Sample: MW-1 **Lab ID: 40246646002** Collected: 06/15/22 09:55 Received: 06/16/22 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	06/17/22 05:46	06/20/22 20:38	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**0.020J**	ug/L	0.052	0.015	1	06/17/22 07:40	06/20/22 11:39	83-32-9	
Acenaphthylene	**<0.013**	ug/L	0.052	0.013	1	06/17/22 07:40	06/20/22 11:39	208-96-8	
Anthracene	**<0.019**	ug/L	0.052	0.019	1	06/17/22 07:40	06/20/22 11:39	120-12-7	
Benzo(a)anthracene	**<0.014**	ug/L	0.052	0.014	1	06/17/22 07:40	06/20/22 11:39	56-55-3	
Benzo(a)pyrene	**<0.013**	ug/L	0.052	0.013	1	06/17/22 07:40	06/20/22 11:39	50-32-8	
Benzo(b)fluoranthene	**<0.0095**	ug/L	0.052	0.0095	1	06/17/22 07:40	06/20/22 11:39	205-99-2	
Benzo(g,h,i)perylene	**<0.024**	ug/L	0.052	0.024	1	06/17/22 07:40	06/20/22 11:39	191-24-2	
Benzo(k)fluoranthene	**<0.023**	ug/L	0.052	0.023	1	06/17/22 07:40	06/20/22 11:39	207-08-9	
Chrysene	**<0.013**	ug/L	0.052	0.013	1	06/17/22 07:40	06/20/22 11:39	218-01-9	
Dibenz(a,h)anthracene	**<0.019**	ug/L	0.052	0.019	1	06/17/22 07:40	06/20/22 11:39	53-70-3	
Fluoranthene	**<0.027**	ug/L	0.052	0.027	1	06/17/22 07:40	06/20/22 11:39	206-44-0	
Fluorene	**<0.025**	ug/L	0.052	0.025	1	06/17/22 07:40	06/20/22 11:39	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.052	0.016	1	06/17/22 07:40	06/20/22 11:39	193-39-5	
1-Methylnaphthalene	**0.067**	ug/L	0.052	0.019	1	06/17/22 07:40	06/20/22 11:39	90-12-0	
2-Methylnaphthalene	**0.016J**	ug/L	0.052	0.014	1	06/17/22 07:40	06/20/22 11:39	91-57-6	
Naphthalene	**0.29**	ug/L	0.052	0.021	1	06/17/22 07:40	06/20/22 11:39	91-20-3	
Phenanthrene	**<0.027**	ug/L	0.052	0.027	1	06/17/22 07:40	06/20/22 11:39	85-01-8	
Pyrene	**<0.024**	ug/L	0.052	0.024	1	06/17/22 07:40	06/20/22 11:39	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	44-120		1	06/17/22 07:40	06/20/22 11:39	321-60-8	
Terphenyl-d14 (S)	68	%	49-120		1	06/17/22 07:40	06/20/22 11:39	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/20/22 16:52	75-35-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/20/22 16:52	91-20-3	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/20/22 16:52	71-55-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/20/22 16:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/20/22 16:52	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		06/20/22 16:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690023383
Pace Project No.: 40246646

Sample: MW-4 **Lab ID: 40246646003** Collected: 06/15/22 10:40 Received: 06/16/22 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	06/17/22 05:46	06/20/22 20:45	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**0.043J**	ug/L	0.048	0.013	1	06/17/22 07:40	06/20/22 11:57	83-32-9	
Acenaphthylene	**<0.012**	ug/L	0.048	0.012	1	06/17/22 07:40	06/20/22 11:57	208-96-8	
Anthracene	**<0.018**	ug/L	0.048	0.018	1	06/17/22 07:40	06/20/22 11:57	120-12-7	
Benzo(a)anthracene	**<0.013**	ug/L	0.048	0.013	1	06/17/22 07:40	06/20/22 11:57	56-55-3	
Benzo(a)pyrene	**<0.012**	ug/L	0.048	0.012	1	06/17/22 07:40	06/20/22 11:57	50-32-8	
Benzo(b)fluoranthene	**<0.0088**	ug/L	0.048	0.0088	1	06/17/22 07:40	06/20/22 11:57	205-99-2	
Benzo(g,h,i)perylene	**<0.023**	ug/L	0.048	0.023	1	06/17/22 07:40	06/20/22 11:57	191-24-2	
Benzo(k)fluoranthene	**<0.022**	ug/L	0.048	0.022	1	06/17/22 07:40	06/20/22 11:57	207-08-9	
Chrysene	**<0.012**	ug/L	0.048	0.012	1	06/17/22 07:40	06/20/22 11:57	218-01-9	
Dibenz(a,h)anthracene	**<0.017**	ug/L	0.048	0.017	1	06/17/22 07:40	06/20/22 11:57	53-70-3	
Fluoranthene	**<0.025**	ug/L	0.048	0.025	1	06/17/22 07:40	06/20/22 11:57	206-44-0	
Fluorene	**<0.023**	ug/L	0.048	0.023	1	06/17/22 07:40	06/20/22 11:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.015**	ug/L	0.048	0.015	1	06/17/22 07:40	06/20/22 11:57	193-39-5	
1-Methylnaphthalene	**0.11**	ug/L	0.048	0.017	1	06/17/22 07:40	06/20/22 11:57	90-12-0	
2-Methylnaphthalene	**0.032J**	ug/L	0.048	0.013	1	06/17/22 07:40	06/20/22 11:57	91-57-6	
Naphthalene	**0.34**	ug/L	0.048	0.019	1	06/17/22 07:40	06/20/22 11:57	91-20-3	
Phenanthrene	**<0.025**	ug/L	0.048	0.025	1	06/17/22 07:40	06/20/22 11:57	85-01-8	
Pyrene	**<0.022**	ug/L	0.048	0.022	1	06/17/22 07:40	06/20/22 11:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	44-120		1	06/17/22 07:40	06/20/22 11:57	321-60-8	
Terphenyl-d14 (S)	68	%	49-120		1	06/17/22 07:40	06/20/22 11:57	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/20/22 16:33	75-35-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/20/22 16:33	91-20-3	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/20/22 16:33	71-55-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/20/22 16:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/20/22 16:33	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		06/20/22 16:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690023383
Pace Project No.: 40246646

Sample: MW-3 **Lab ID: 40246646004** Collected: 06/15/22 11:35 Received: 06/16/22 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	06/17/22 05:46	06/20/22 20:48	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**0.038J**	ug/L	0.049	0.014	1	06/17/22 07:40	06/20/22 12:16	83-32-9	
Acenaphthylene	**<0.012**	ug/L	0.049	0.012	1	06/17/22 07:40	06/20/22 12:16	208-96-8	
Anthracene	**<0.018**	ug/L	0.049	0.018	1	06/17/22 07:40	06/20/22 12:16	120-12-7	
Benzo(a)anthracene	**<0.013**	ug/L	0.049	0.013	1	06/17/22 07:40	06/20/22 12:16	56-55-3	
Benzo(a)pyrene	**<0.012**	ug/L	0.049	0.012	1	06/17/22 07:40	06/20/22 12:16	50-32-8	
Benzo(b)fluoranthene	**<0.0089**	ug/L	0.049	0.0089	1	06/17/22 07:40	06/20/22 12:16	205-99-2	
Benzo(g,h,i)perylene	**<0.023**	ug/L	0.049	0.023	1	06/17/22 07:40	06/20/22 12:16	191-24-2	
Benzo(k)fluoranthene	**<0.022**	ug/L	0.049	0.022	1	06/17/22 07:40	06/20/22 12:16	207-08-9	
Chrysene	**<0.012**	ug/L	0.049	0.012	1	06/17/22 07:40	06/20/22 12:16	218-01-9	
Dibenz(a,h)anthracene	**<0.017**	ug/L	0.049	0.017	1	06/17/22 07:40	06/20/22 12:16	53-70-3	
Fluoranthene	**<0.026**	ug/L	0.049	0.026	1	06/17/22 07:40	06/20/22 12:16	206-44-0	
Fluorene	**<0.023**	ug/L	0.049	0.023	1	06/17/22 07:40	06/20/22 12:16	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.015**	ug/L	0.049	0.015	1	06/17/22 07:40	06/20/22 12:16	193-39-5	
1-Methylnaphthalene	**0.094**	ug/L	0.049	0.018	1	06/17/22 07:40	06/20/22 12:16	90-12-0	
2-Methylnaphthalene	**0.035J**	ug/L	0.049	0.014	1	06/17/22 07:40	06/20/22 12:16	91-57-6	
Naphthalene	**0.45**	ug/L	0.049	0.020	1	06/17/22 07:40	06/20/22 12:16	91-20-3	
Phenanthrene	**<0.025**	ug/L	0.049	0.025	1	06/17/22 07:40	06/20/22 12:16	85-01-8	
Pyrene	**<0.022**	ug/L	0.049	0.022	1	06/17/22 07:40	06/20/22 12:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	44-120		1	06/17/22 07:40	06/20/22 12:16	321-60-8	
Terphenyl-d14 (S)	66	%	49-120		1	06/17/22 07:40	06/20/22 12:16	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/20/22 17:11	75-35-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/20/22 17:11	91-20-3	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/20/22 17:11	71-55-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/20/22 17:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/20/22 17:11	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		06/20/22 17:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1690023383
Pace Project No.: 40246646

Sample: MW-2 **Lab ID: 40246646005** Collected: 06/15/22 12:35 Received: 06/16/22 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<5.9**	ug/L	20.0	5.9	1	06/17/22 05:46	06/20/22 20:50	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.013**	ug/L	0.048	0.013	1	06/21/22 07:49	06/22/22 08:29	83-32-9	
Acenaphthylene	**<0.012**	ug/L	0.048	0.012	1	06/21/22 07:49	06/22/22 08:29	208-96-8	
Anthracene	**<0.018**	ug/L	0.048	0.018	1	06/21/22 07:49	06/22/22 08:29	120-12-7	
Benzo(a)anthracene	**<0.013**	ug/L	0.048	0.013	1	06/21/22 07:49	06/22/22 08:29	56-55-3	
Benzo(a)pyrene	**<0.012**	ug/L	0.048	0.012	1	06/21/22 07:49	06/22/22 08:29	50-32-8	
Benzo(b)fluoranthene	**<0.0088**	ug/L	0.048	0.0088	1	06/21/22 07:49	06/22/22 08:29	205-99-2	
Benzo(g,h,i)perylene	**<0.023**	ug/L	0.048	0.023	1	06/21/22 07:49	06/22/22 08:29	191-24-2	
Benzo(k)fluoranthene	**<0.022**	ug/L	0.048	0.022	1	06/21/22 07:49	06/22/22 08:29	207-08-9	
Chrysene	**<0.012**	ug/L	0.048	0.012	1	06/21/22 07:49	06/22/22 08:29	218-01-9	
Dibenz(a,h)anthracene	**<0.017**	ug/L	0.048	0.017	1	06/21/22 07:49	06/22/22 08:29	53-70-3	
Fluoranthene	**<0.025**	ug/L	0.048	0.025	1	06/21/22 07:49	06/22/22 08:29	206-44-0	
Fluorene	**<0.023**	ug/L	0.048	0.023	1	06/21/22 07:49	06/22/22 08:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.015**	ug/L	0.048	0.015	1	06/21/22 07:49	06/22/22 08:29	193-39-5	
1-Methylnaphthalene	**<0.017**	ug/L	0.048	0.017	1	06/21/22 07:49	06/22/22 08:29	90-12-0	
2-Methylnaphthalene	**<0.013**	ug/L	0.048	0.013	1	06/21/22 07:49	06/22/22 08:29	91-57-6	
Naphthalene	**0.045J**	ug/L	0.048	0.019	1	06/21/22 07:49	06/22/22 08:29	91-20-3	
Phenanthrene	**<0.025**	ug/L	0.048	0.025	1	06/21/22 07:49	06/22/22 08:29	85-01-8	
Pyrene	**<0.022**	ug/L	0.048	0.022	1	06/21/22 07:49	06/22/22 08:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	44-120		1	06/21/22 07:49	06/22/22 08:29	321-60-8	
Terphenyl-d14 (S)	70	%	49-120		1	06/21/22 07:49	06/22/22 08:29	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/20/22 17:31	75-35-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/20/22 17:31	91-20-3	
1,1,1-Trichloroethane	**0.88J**	ug/L	1.0	0.30	1		06/20/22 17:31	71-55-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/20/22 17:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		06/20/22 17:31	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		06/20/22 17:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1690023383
Pace Project No.: 40246646

Sample: TRIP BLANK **Lab ID: 40246646006** Collected: 06/15/22 00:00 Received: 06/16/22 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/20/22 12:38	75-35-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		06/20/22 12:38	91-20-3	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/20/22 12:38	71-55-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/20/22 12:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/20/22 12:38	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		06/20/22 12:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690023383
Pace Project No.: 40246646

QC Batch: 418607
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40246646001, 40246646002, 40246646003, 40246646004, 40246646005

METHOD BLANK: 2410827 Matrix: Water
Associated Lab Samples: 40246646001, 40246646002, 40246646003, 40246646004, 40246646005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<5.9	20.0	06/21/22 10:43	

LABORATORY CONTROL SAMPLE: 2410828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	250	265	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2410829 2410830

Parameter	Units	40246647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<5.9	250	250	262	256	105	103	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 1690023383
Pace Project No.: 40246646

QC Batch: 418560
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40246646001, 40246646002, 40246646003, 40246646004, 40246646005, 40246646006

METHOD BLANK: 2410494 Matrix: Water
Associated Lab Samples: 40246646001, 40246646002, 40246646003, 40246646004, 40246646005, 40246646006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/20/22 09:23	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/20/22 09:23	
Naphthalene	ug/L	<1.1	5.0	06/20/22 09:23	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130	06/20/22 09:23	
4-Bromofluorobenzene (S)	%	102	70-130	06/20/22 09:23	
Toluene-d8 (S)	%	102	70-130	06/20/22 09:23	

LABORATORY CONTROL SAMPLE: 2410495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.6	113	70-134	
1,1-Dichloroethene	ug/L	50	50.6	101	74-131	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2411953 2411954

Parameter	Units	40246617004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	10.0	50	50	66.6	67.3	113	115	70-134	1	20	
1,1-Dichloroethene	ug/L	0.60J	50	50	52.1	52.0	103	103	71-130	0	20	
1,2-Dichlorobenzene-d4 (S)	%						100	99	70-130			
4-Bromofluorobenzene (S)	%						98	100	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690023383
Pace Project No.: 40246646

QC Batch: 418625
QC Batch Method: EPA 3510
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40246646001, 40246646002, 40246646003, 40246646004

METHOD BLANK: 2410910 Matrix: Water
Associated Lab Samples: 40246646001, 40246646002, 40246646003, 40246646004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	06/20/22 09:10	
2-Methylnaphthalene	ug/L	<0.014	0.050	06/20/22 09:10	
Acenaphthene	ug/L	<0.014	0.050	06/20/22 09:10	
Acenaphthylene	ug/L	<0.013	0.050	06/20/22 09:10	
Anthracene	ug/L	<0.018	0.050	06/20/22 09:10	
Benzo(a)anthracene	ug/L	<0.014	0.050	06/20/22 09:10	
Benzo(a)pyrene	ug/L	<0.013	0.050	06/20/22 09:10	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	06/20/22 09:10	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	06/20/22 09:10	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	06/20/22 09:10	
Chrysene	ug/L	<0.013	0.050	06/20/22 09:10	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	06/20/22 09:10	
Fluoranthene	ug/L	<0.026	0.050	06/20/22 09:10	
Fluorene	ug/L	0.025J	0.050	06/20/22 09:10	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	06/20/22 09:10	
Naphthalene	ug/L	<0.020	0.050	06/20/22 09:10	
Phenanthrene	ug/L	<0.026	0.050	06/20/22 09:10	
Pyrene	ug/L	<0.023	0.050	06/20/22 09:10	
2-Fluorobiphenyl (S)	%	66	44-120	06/20/22 09:10	
Terphenyl-d14 (S)	%	69	49-120	06/20/22 09:10	

LABORATORY CONTROL SAMPLE: 2410911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.4	70	51-120	
2-Methylnaphthalene	ug/L	2	1.3	65	50-120	
Acenaphthene	ug/L	2	1.5	77	65-120	
Acenaphthylene	ug/L	2	1.4	72	61-120	
Anthracene	ug/L	2	1.6	79	61-104	
Benzo(a)anthracene	ug/L	2	1.3	65	51-96	
Benzo(a)pyrene	ug/L	2	1.7	86	68-120	
Benzo(b)fluoranthene	ug/L	2	1.5	74	55-97	
Benzo(g,h,i)perylene	ug/L	2	1.7	87	69-120	
Benzo(k)fluoranthene	ug/L	2	1.9	93	73-120	
Chrysene	ug/L	2	2.1	106	72-126	
Dibenz(a,h)anthracene	ug/L	2	1.7	86	57-115	
Fluoranthene	ug/L	2	1.6	82	58-111	
Fluorene	ug/L	2	1.6	80	62-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.8	88	66-120	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690023383
Pace Project No.: 40246646

LABORATORY CONTROL SAMPLE: 2410911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.6	82	53-120	
Phenanthrene	ug/L	2	1.4	70	59-120	
Pyrene	ug/L	2	1.5	76	59-120	
2-Fluorobiphenyl (S)	%			74	44-120	
Terphenyl-d14 (S)	%			70	49-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2410912 2410913

Parameter	Units	40246556008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	484	1.9	1.9	469	440	-773	-2280	22-120	6	20	M1
2-Methylnaphthalene	ug/L	2.3J	1.9	1.9	3.5J	2.9J	66	35	18-120		20	
Acenaphthene	ug/L	42.3	1.9	1.9	45.4	40.7	163	-82	26-120	11	20	M1
Acenaphthylene	ug/L	<1.2	1.9	1.9	1.5J	1.5J	63	65	28-120		20	
Anthracene	ug/L	<1.8	1.9	1.9	<1.8	<1.8	76	75	19-124		20	
Benzo(a)anthracene	ug/L	<1.3	1.9	1.9	<1.3	<1.3	0	27	10-125		20	M1
Benzo(a)pyrene	ug/L	<1.2	1.9	1.9	<1.2	<1.2	6	12	11-134		20	M1
Benzo(b)fluoranthene	ug/L	<0.86	1.9	1.9	1.1J	1.1J	57	55	10-118		20	
Benzo(g,h,i)perylene	ug/L	<2.2	1.9	1.9	<2.2	<2.2	102	96	10-135		20	
Benzo(k)fluoranthene	ug/L	<2.1	1.9	1.9	2.2J	<2.1	113	88	17-136		20	
Chrysene	ug/L	<1.2	1.9	1.9	3.0J	2.6J	156	137	27-144		20	M1
Dibenz(a,h)anthracene	ug/L	<1.7	1.9	1.9	1.9J	1.8J	102	92	10-142		20	
Fluoranthene	ug/L	<2.5	1.9	1.9	<2.5	<2.5	90	85	26-129		20	
Fluorene	ug/L	<2.2	1.9	1.9	<2.2	<2.2	-37	-37	27-120		20	M1
Indeno(1,2,3-cd)pyrene	ug/L	<1.5	1.9	1.9	1.8J	1.7J	92	89	10-134		20	
Naphthalene	ug/L	1450	1.9	1.9	1460	1350	593	-5220	11-120	8	20	M1
Phenanthrene	ug/L	<2.4	1.9	1.9	<2.4	<2.4	88	81	23-120		20	
Pyrene	ug/L	<2.1	1.9	1.9	<2.1	<2.2	77	80	24-120		20	
2-Fluorobiphenyl (S)	%						87	86	44-120			
Terphenyl-d14 (S)	%						76	66	49-120			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690023383
Pace Project No.: 40246646

QC Batch: 418896
QC Batch Method: EPA 3510
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40246646005

METHOD BLANK: 2412267 Matrix: Water
Associated Lab Samples: 40246646005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	06/22/22 07:14	
2-Methylnaphthalene	ug/L	<0.014	0.050	06/22/22 07:14	
Acenaphthene	ug/L	<0.014	0.050	06/22/22 07:14	
Acenaphthylene	ug/L	<0.013	0.050	06/22/22 07:14	
Anthracene	ug/L	<0.018	0.050	06/22/22 07:14	
Benzo(a)anthracene	ug/L	<0.014	0.050	06/22/22 07:14	
Benzo(a)pyrene	ug/L	<0.013	0.050	06/22/22 07:14	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	06/22/22 07:14	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	06/22/22 07:14	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	06/22/22 07:14	
Chrysene	ug/L	<0.013	0.050	06/22/22 07:14	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	06/22/22 07:14	
Fluoranthene	ug/L	<0.026	0.050	06/22/22 07:14	
Fluorene	ug/L	<0.024	0.050	06/22/22 07:14	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	06/22/22 07:14	
Naphthalene	ug/L	<0.020	0.050	06/22/22 07:14	
Phenanthrene	ug/L	<0.026	0.050	06/22/22 07:14	
Pyrene	ug/L	<0.023	0.050	06/22/22 07:14	
2-Fluorobiphenyl (S)	%	74	44-120	06/22/22 07:14	
Terphenyl-d14 (S)	%	78	49-120	06/22/22 07:14	

LABORATORY CONTROL SAMPLE & LCSD: 2412268 2412269

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.3	1.2	64	59	51-120	7	20	
2-Methylnaphthalene	ug/L	2	1.2	1.1	61	57	50-120	5	20	
Acenaphthene	ug/L	2	1.4	1.3	70	66	65-120	6	20	
Acenaphthylene	ug/L	2	1.3	1.3	65	63	61-120	5	20	
Anthracene	ug/L	2	1.5	1.4	73	68	61-104	7	20	
Benzo(a)anthracene	ug/L	2	1.3	1.1	63	54	51-96	15	20	
Benzo(a)pyrene	ug/L	2	1.6	1.5	80	74	68-120	8	20	
Benzo(b)fluoranthene	ug/L	2	1.4	1.3	70	64	55-97	8	20	
Benzo(g,h,i)perylene	ug/L	2	1.6	1.4	81	72	69-120	12	20	
Benzo(k)fluoranthene	ug/L	2	1.7	1.6	85	78	73-120	9	20	
Chrysene	ug/L	2	1.9	1.8	94	90	72-126	5	20	
Dibenz(a,h)anthracene	ug/L	2	1.5	1.4	74	70	57-115	6	20	
Fluoranthene	ug/L	2	1.3	1.3	65	66	58-111	1	20	
Fluorene	ug/L	2	1.4	1.4	69	68	62-120	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	1.5	76	75	66-120	1	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690023383
Pace Project No.: 40246646

LABORATORY CONTROL SAMPLE & LCSD: 2412268 2412269

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	2	1.2	1.2	62	59	53-120	6	20	
Phenanthrene	ug/L	2	1.3	1.2	65	60	59-120	7	20	
Pyrene	ug/L	2	1.4	1.3	71	66	59-120	7	20	
2-Fluorobiphenyl (S)	%				74	74	44-120			
Terphenyl-d14 (S)	%				67	65	49-120			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALIFIERS

Project: 1690023383
Pace Project No.: 40246646

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.

BATCH QUALIFIERS

Batch: 418931

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

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

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690023383
Pace Project No.: 40246646

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40246646001	**MW-5**	EPA 3010A	418607	EPA 6010D	418703
40246646002	**MW-1**	EPA 3010A	418607	EPA 6010D	418703
40246646003	**MW-4**	EPA 3010A	418607	EPA 6010D	418703
40246646004	**MW-3**	EPA 3010A	418607	EPA 6010D	418703
40246646005	**MW-2**	EPA 3010A	418607	EPA 6010D	418703
40246646001	**MW-5**	EPA 3510	418625	EPA 8270E by SIM	418662
40246646002	**MW-1**	EPA 3510	418625	EPA 8270E by SIM	418662
40246646003	**MW-4**	EPA 3510	418625	EPA 8270E by SIM	418662
40246646004	**MW-3**	EPA 3510	418625	EPA 8270E by SIM	418662
40246646005	**MW-2**	EPA 3510	418896	EPA 8270E by SIM	418931
40246646001	**MW-5**	EPA 8260	418560		
40246646002	**MW-1**	EPA 8260	418560		
40246646003	**MW-4**	EPA 8260	418560		
40246646004	**MW-3**	EPA 8260	418560		
40246646005	**MW-2**	EPA 8260	418560		
40246646006	**TRIP BLANK**	EPA 8260	418560		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402446C446

ALL SHADED AREAS are for LAB USE ONLY

Company: RAMBOLL	Billing Information:
Address: 234 W FLORIDA ST 5TH FLOOR	
Report To: RICHARD MAZURKIEWICZ	Email To:
Copy To: DUNCAN GLASFORD	Site Collection Info/Address:
Customer Project Name/Number: 1690023383	State: WI / County/City: MILWAUKEE / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 2627013502 Email: RMAZURKIEWICZ@RAMBOLL.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): DUNCAN GLASFORD	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [X] Yes [ ] No / Analysis: LEAD

Container Preservative Type **: 3 U 1

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: 8260 VOC	8270 SIM PAH	LEAD (6010)	Lab Profile/Line
MW-5	GW	G	6-15-22	905				6	X	X	X	001
MW-1	GW	G	6-15-22	955				6	X	X	X	002
MW-4	GW	G	6-15-22	1040				6	X	X	X	003
MW-3	GW	G	6-15-22	1135				6	X	X	X	004
MW-2	GW	G	6-15-22	1235				6	X	X	X	005
TRIP BLANK			-	-				2	X			006

Lab Profile/Line: See SCUR 6/16/22 MP

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: See SCUR 6/16/22 MP

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2767340

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: See SCUR Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____ °C
Cooler 1 Therm Corr. Factor: _____
Cooler 1 Corrected Temp: 6/16/22 °C
Comments: MP

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
RAMBOLL	6-15-22 1415	CS LOGISTICS	6-15-22 1415
CS logistics	6/16/22 815		6/16/22 815

MTJL LAB USE ONLY: Table #: / Acctnum: / Template: / Prelogin: / PM: / PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: Ramboll Project # 410-416604-6

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

Lab Lot# of pH paper: 100312 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MP Date/ Time:

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN						
001						2						1					3													X		2.5 / 5 / 10
002						2						1					3													X		2.5 / 5 / 10
003						2						1					3													X		2.5 / 5 / 10
004						2						1					3													X		2.5 / 5 / 10
005						2						1					3													X		2.5 / 5 / 10
006																	2															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

Co/16/22 MP

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40246646

40246646

Client Name: Ramboll

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

Tracking #:

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

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

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

Thermometer Used SR - 116 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0.1

Person examining contents:

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

Date: 6/16/22 Initials: MP

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials: MH

Chain of Custody Present:	☒Yes ☐No ☐N/A	1. TCC 6/16/22 MP
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. Invoice info, pg# 6/16/22 MP
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☒Yes ☐No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☒No ☐N/A	12. No ID on trip blank 6/16/22 MP
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 483		

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

Page 2 of 2