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**SOIL AND GROUNDWATER RESULTS
BETA-BECHER ACQUISITION CO, LLC HISTORIC FILL SITE
147 EAST BECHER STREET ("site")
MILWAUKEE, WISCONSIN
BRRTS 02-41-594228**

Dear Ms. Pfeiffer:

April 2, 2024

Ramboll Americas Engineering Solutions, Inc. (Ramboll) received the soil and groundwater analytical results from the collection of one soil (B3-Pit (5-6) and one groundwater (B3 Pit) sample collected on March 26, 2024. This transmittal follows the sample results notification required under Wisconsin Administrative Code Chapter NR 716.14(2). The laboratory analytical results are summarized in the attached **Tables**, the sample location is illustrated in **Figure 1**, and the laboratory report is provided in **Attachment A**. A discussion of these results will be included in the forthcoming NR 716 supplemental site investigation report.

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A copy of this submittal was uploaded to the WDNR document portal. Please let us know if you have any questions.

Ref. 1690023383_Conv

Yours sincerely,

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Attachments:
Table 1 – VOCs in Soil
Table 2 – PAHs in Soil
Table 3 – RCRA Metals and PCBs in Soil
Table 4 – VOCs, PAHs, RCRA Metals, and PCBs in Groundwater
Figure 1 – Sample Location Map
Attachment A – Laboratory Analytical Report

Tables

TABLE 1
VOCs in Soil
 Filer Stowell Property
 147 East Becher Street, Milwaukee, Wisconsin
 Ramboll Project 1690023383

Sample ID	Date	PID (ppm tl VOCs)	Soil Type*	Benzene	Ethylbenzene	Toluene	Xylene (Total)	Naphthalene	Isopropylbenzene (Cumene)	n-Butylbenzene	sec-Butylbenzene	p-Isopropyl-toluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1-Dichloroethane	1,1,1-Trichloroethane
SB-1 (1-2)	9/20/2021	0.8	Fill Sand	<12.9	<12.9	28.9 J	55.6 J	54.3 J	<14.6	<24.8	<13.2	<16.5	<13.0	24.0 J	<17.5	<13.9	<13.9
SB-1 (6-7)	9/20/2021	0.0	Fill-Sand	<12.9	<12.9	34.3 J	70.8 J	65.6 J	<14.6	<24.8	<13.2	<16.5	<13.0	26.0 J	<17.5	<13.9	<13.9
SB-1 (13-14)	9/20/2021	0.0	Silty Clay	<15.6	<15.6	<16.6	<47.4	<20.5	<17.7	<30.1	<16.0	<20.0	<15.8	<19.6	<21.2	<16.8	<16.8
SB-2 (1-2)	9/20/2021	0.1	Fill-Sand	<12.6	<12.6	25.6 J	67.1 J	76.9 J	<14.3	<24.3	<13.0	<16.1	<12.7	31.7 J	<17.1	<13.6	<13.6
SB-2 (5-6)	9/20/2021	0.0	Fill-Sand	<13.9	<13.9	<14.7	<42.2	<18.2	<15.8	<26.8	<14.3	<17.8	<14.0	<17.4	<18.8	<15.0	<15.0
SB-3 (1-2)	9/20/2021	0.0	Fill-Sand	<13.5	<13.5	17.0 J	<41.0	47.6 J	<15.3	<26.0	<13.9	<17.3	<13.6	<16.9	<18.3	<14.5	<14.5
SB-3 (5-6)	9/20/2021	0.0	Fill-Sand	<13.8	<13.8	<14.6	<41.7	52.3 J	<15.6	<26.5	<14.1	<17.6	<13.9	37.2 J	<18.6	<14.8	<14.8
SB-4 (1-2)	9/20/2021	0.0	Fill-Sand	<13.4	17.4 J	64	100 J	93.1 J	<15.2	<25.8	<13.8	<17.1	17.2 J	31.1 J	<18.2	<14.4	<14.4
SB-4 (4-5)	9/20/2021	0.0	Fill-Sandy, Clayey Silt	<15.1	<15.1	<16.0	<45.8	<19.8	<17.1	<29.1	<15.5	<19.3	<15.2	<18.9	<20.4	<16.2	<16.2
SB-5 (1-2)	9/20/2021	0.0	Fill-Sand	<13.6	<13.6	14.9 J	53.3 J	98.2 J	<15.5	<26.2	<14.0	<17.4	<13.7	23.1 J	<18.4	<14.7	<14.7
SB-5 (12-13)	9/20/2021	0.0	Fill-Silty Sand	<14.6	<14.6	<15.5	<44.3	<19.1	<16.6	<28.1	<15.0	<18.6	<14.7	<18.3	<19.7	<15.7	<15.7
SB-6 (2-3)	9/20/2021	9.5	Peat	<14.7	<14.7	<15.6	<44.6	373	<16.7	<28.3	<15.1	<18.8	<14.8	<18.4	<19.9	<15.8	<15.8
SB-6 (4-5)	9/20/2021	10.8	Silty Clay	<17.6	23.7 J	30.5 J	<53.5	75.4 J	<20.0	<33.9	<18.1	<22.5	<17.8	<22.1	<23.9	<19.0	<19.0
SB-6 (11-12)	9/20/2021	1.0	Silty Sand w/ sml shells	<20.8	<20.8	<22.0	<63.0	<27.2	<23.6	<40.0	<21.3	<26.5	<20.9	<26.0	<28.1	<22.3	<22.3
SB-7 (1-2)	9/20/2021	0.2	Fill-Sand	19.8 J ^f	32.1 J	133	248	132 J	21.4 J	<31.0	<16.5	<20.5	28.1 J	75	25.4 J	<17.3	50.3 J
SB-7 (4-5)	9/20/2021	1.8	Fill-Clay & Silt	<15.8	<15.8	31.6 J	57.0 J	<20.7	<17.9	<30.4	<16.2	<20.2	<15.9	<19.8	<21.4	27.8 J	37.7 J
SB-8 (2-3)	9/20/2021	10.3	Fill-Sand	<14.2	553	37.4 J	507	1,230 ^c	156	141	60	81	273	707	275	<15.3	<15.3
SB-8 (4-5)	9/20/2021	87.6	Fill-Sand	<12.9	<12.9	34.3 J	70.8 J	29.2 J	<14.6	<24.8	<13.2	<16.5	<13.0	26.0 J	<17.5	<13.9	<13.9
SB-8 (14-15)	9/20/2021	0.0	Silt	<21.3	<21.3	<22.6	<64.7	<28.0	<24.2	<41.0	<21.9	<27.2	<21.5	<26.7	<28.9	<22.9	<22.9
SB-9 (1-2)	9/20/2021	6.6	Fill-Sand	41.2 ^c	27.4 J	137	181 J	80.2 J	<18.3	<31.1	<16.6	<20.6	18.6 J	59.9 J	27.3 J	<17.4	<17.4
SB-9 (4-5)	9/20/2021	0.2	Fill-Sand	<18.2	<18.2	<19.2	<55.1	<23.8	<20.6	<35.0	<18.6	<23.2	<18.3	<22.7	<24.6	<19.5	<19.5
SB-10 (1-2)	9/21/2021	0.0	Fill-Sand	<14.7	<14.7	<15.6	<44.7	<19.3	<16.7	<28.4	<15.1	<18.8	<14.9	<18.5	<19.9	<15.9	<15.9
SB-10 (4-5)	9/21/2021	0.0	Fill-Sand	<14.6	<14.6	<15.5	<44.4	<19.2	<16.6	<28.2	<15.0	<18.7	<14.8	<18.3	<19.8	<15.8	<15.8
SB-11 (1-2)	9/21/2021	0.0	Fill-Sand	28.4 ^c	42.0 J	183	398	234 J	42.1 J	<30.4	23.1 J	<20.2	46.9 J	136	39.4 J	<17.0	<17.0
SB-11 (5-6)	9/21/2021	0.0	Fill-Silty Sand	<16.8	<16.8	<17.8	<50.9	<22.0	<19.1	<32.3	<17.2	<21.5	<16.9	<21.0	<22.7	<18.1	<18.1
SB-12 (1-2)	9/21/2021	0.0	Fill-Silty sand	<15.1	<15.1	20.0 J	54.8 J	33.0 J	<17.1	<29.1	<15.5	<19.3	<15.2	32.8 J	<20.4	<16.3	67
SB-12 (4-5)	9/21/2021	0.1	Fill-Sand	<13.7	<13.7	<14.6	<41.7	<18.0	<15.6	<26.4	<14.1	<17.6	<13.9	<17.2	<18.6	<14.8	<14.8
SB-13 (1-2)	9/21/2021	0.0	Fill-Sand	<15.2	23.3 J	86	186 J	107 J	<17.3	<29.3	<15.6	<19.5	15.6 J	61.5 J	22.8 J	<16.4	<16.4
SB-13 (5-6)	9/21/2021	0.0	Fill-Sand	<16.2	<16.2	<17.1	<49.0	<21.2	<18.3	<31.1	<16.6	<20.6	<16.3	<20.2	<21.9	<17.4	<17.4
B-1 (1-3)	11/22/2021	0.1	Fill-Sand	<14.1	<14.1	22.6 J	93.9 J	73.3 J	<16.0	36.2 J	24.7 J	20.7 J	17.6 J	83.2	58.6 J	<15.2	<15.2
B-2 (1-3)	11/22/2021	0.2	Fill-Sand	<11.9	<11.9	<12.6	<36.1	<15.6	<13.5	<22.9	<12.2	<12.0	<14.9	<16.1	<12.8	<12.8	<12.8
B-3 (1-3)	11/22/2021	0.1	Fill-Sand	<14.9	<14.9	53.4 J	108 J	75.6 J	<16.9	<28.7	<15.3	<19.0	<15.0	38.9 J	24.9 J	<16.0	<16.0
MW-5 (2-4)	11/22/2021	0.3	Fill-Sand	<15.1	<15.1	30.1 J	32.3 J	40.2 J	<17.2	<29.1	<15.5	<19.3	<15.3	<19.0	<20.5	<16.3	<16.3
TW-14 (2-3)	1/25/2022	0.5	Fill-Sand	45.1 ^c	47.4 J	256	479	229 J	<17.4	<29.4	<15.7	<19.5	24.6 J	126	26.6 J	<16.5	<16.5
TW-14 (4-5)	1/25/2022	0.2	Fill-Sand	<15.3	<15.3	<16.2	<46.4	20.1 J	<17.4	<29.5	<15.7	<19.5	<15.4	<19.2	<20.7	<16.5	<16.5
Direct Contact	Non-Industrial ^a			1,600	8,020	818,000	260,000	5,520	268,000	108,000	145,000	162,000	NS	219,000	182,000	5,060	640,000
	Industrial ^b			7,070	35,400	818,000	260,000	24,100	268,000	108,000	145,000	162,000	NS	219,000	182,000	22,200	640,000
	Groundwater Pathway ^c			5.1	1,570	1,107	3,960	658.2	NS	NS	NS	NS	NS	NS	1,380 ^d	483.4	140.2

TABLE 1
VOCs in Soil
 Filer Stowell Property
 147 East Becher Street, Milwaukee, Wisconsin
 Ramboll Project 1690023383

Sample ID	Date	PID (ppm tl VOCs)	Soil Type*	Benzene	Ethylbenzene	Toluene	Xylene (Total)	Naphthalene	Isopropylbenzene (Cumene)	n-Butylbenzene	sec-Butylbenzene	p-Isopropyl-toluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1-Dichloroethane	1,1,1-Trichloroethane
DB-1 (1-3)	3/29/2023	0.0	Fill-Sand	<15.7	18.5 J	40.9 J	171 J	90.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-1 (3-5)	3/29/2023	0.0	Fill-Sand	<19.9	<19.9	21.4 J	<60.5	37.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-2 (1-3)	3/29/2023	0.6	Fill-Sand	<16.6	<16.6	32.5 J	124 J	64.5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-2 (3-5)	3/29/2023	1.0	Fill-Sand	<14.9	<14.9	23.4 J	<45.2	33.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-3 (1-3)	3/29/2023	0.0	Fill-Sand	<21.7	<21.7	<23.0	<65.8	<28.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-3 (3-5)	3/29/2023	0.8	Fill-Sand	<16.5	<16.5	28.1J	<50.1	<21.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-4 (1-3)	3/29/2023	0.2	Fill-Sand	<14.4	<14.4	<15.2	<43.6	27.0J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-4 (3-5)	3/29/2023	0.0	Fill-Sand	<17.1	<17.1	<18.1	<51.8	<22.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-5 (1-3)	3/29/2023	0.0	Fill-Sand	<14.2	<14.2	16.2 J	<43.0	28.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-5 (3-5)	3/29/2023	0.1	Fill-Sand	<16.1	<16.1	<17.0	<48.7	<21.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-6 (1-3)	3/29/2023	0.0	Fill-Sand	<16.3	<16.3	20.2 J	<49.5	22.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-6 (3-5)	3/29/2023	0.0	Fill-Sand	<17.5	<17.5	<18.6	<53.2	<23.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-7 (1-3)	3/29/2023	0.0	Fill-Sand	<15.8	24.6 J	54.0 J	124 J	130 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-7 (3-5)	3/29/2023	0.5	Fill-Sand	<15.6	<15.6	<16.5	<47.3	<20.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-8 (1-3)	3/29/2023	1.0	Fill-Sand	<20.9	<20.9	<22.1	<63.3	<27.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-8 (3-5)	3/29/2023	0.1	Fill-Sand	<17.1	<17.1	<18.1	<51.9	<22.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-9 (1-3)	3/29/2023	1.5	Fill-Sand	<16.6	22.5 J	60.4 J	221	147 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-9 (3-5)	3/29/2023	16.0	Fill-Sand	<17.8	<17.8	<18.9	<54.0	<23.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-10 (1-3)	3/29/2023	22.8	Fill-Sand	20.7 J^f	<14.0	39.3 J	<42.5	37.5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-10 (3-5)	3/29/2023	5.8	Fill-Sand	<17.9	<17.9	<19.0	109 J	94.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-13 (1-3)	3/29/2023	0.0	Fill-Sand	<15.7	<15.7	50.3 J	96.3 J	62.5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-13 (3-5)	3/29/2023	0.0	Fill-Sand	<15.9	<15.9	<16.8	<48.2	<20.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-14 (1-3)	3/29/2023	0.0	Fill-Sand	<14.0	<14.0	<14.8	<42.5	<18.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-14 (3-5)	3/29/2023	0.0	Fill-Sand	<15.3	<15.3	<16.2	<46.4	<20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-15 (1-3)	3/29/2023	0.4	Fill-Sand	<15.1	<15.1	30.9 J	70.3 J	32.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB-15 (3-5)	3/29/2023	0.5	Fill-Sand	<13.4	<13.4	<14.2	<40.5	<17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
12-PIT (8-9)	3/13/2024	0.5	Fill-Sand	<15.1	<15.1	<16.0	<45.9	<26.8	<17.2	<29.1	<21.8	<21.6	<15.3	<19.0	<20.5	<16.3	<16.3
C1-PIT (4-5)	3/20/2024	0.5	Fill-Sand	34.1 J^f	35.4 J	178	458	308 J	<24	<40.6	<30.5	<30.2	26.0 J	175	55.1 J	<22.7	<22.7
B3-PIT (5-6)	3/26/2024	0.0	Fill-Sand	<13.9	<13.9	<14.7	<42.1	<24.5	<15.7	<26.7	<20.0	<19.8	<14.0	<17.4	<18.8	<14.9	<14.9
Direct Contact	Non-Industrial ^a			1,600	8,020	818,000	260,000	5,520	268,000	108,000	145,000	162,000	NS	219,000	182,000	5,060	640,000
	Industrial ^b			7,070	35,400	818,000	260,000	24,100	268,000	108,000	145,000	162,000	NS	219,000	182,000	22,200	640,000
	Groundwater Pathway ^c			5.1	1,570	1,107	3,960	658.2	NS	NS	NS	NS	NS	1,380^d	483.4	140.2	

Notes:

Soil volatile organic compound concentrations are reported in micrograms per kilogram (ug/kg).

Depth of soil in feet below ground surface indicated in parentheses in sample name.

Methylene Chloride was detected in sample TW-14 (4-5). Methylene Chloride is a common lab contaminant.

PID = Photoionization Detector.

TMB = Trimethylbenzene.

Bold value = NR 720 RCL Exceedance.

1 - Direct Contact, defined as soils existing between 0 and 4 feet below ground surface.

NA = Analyte not analyzed.

a Analyte exceeds WAC NR Ch. 720 Non Industrial Direct Contact pathway (December 2018).

b Analyte exceeds WAC NR Ch. 720 Industrial Direct Contact pathway (December 2018).

c Analyte exceeds WAC NR Ch. 720 groundwater protection pathway (December 2018).

d Value is for 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene (combined).

J = Laboratory flag indicating that the result reported is between the Method Detection Limit and Limit of Quantitation (an uncertain or estimated result).

TABLE 3
RCRA Metals PCBs in Soil
 Filer Stowell Property
 147 East Becher Street, Milwaukee, Wisconsin
 Ramboll Project 1690023383

Sample ID	Date	Soil Type*	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Silver	PCB-1254 (Aroclor 1254)	PCB-1260 (Aroclor 1260)	PCBs Total
SB-1 (1-2)	9/20/2021	Fill Sand	4.1 ^{a,b,c}	22.5	0.25 J	8	25	0.014 J	<0.32	<15.9	<15.9	<15.9
SB-1 (6-7)	9/20/2021	Fill-Sand	1.8 J ^c	15.8	<0.14	9.1	8.4	<0.0096	<0.31	<15.8	<15.8	<15.8
SB-1 (13-14)	9/20/2021	Silty Clay	4.2 ^c	71.9	0.16 J	27.9	10	<0.011	<0.35	NA	NA	NA
SB-2 (1-2)	9/20/2021	Fill-Sand	5.4 ^{a,b,c}	19.5	0.15 J	6.4	63.7^{c,d}	0.032 J	<0.31	<15.7	<15.7	<15.7
SB-2 (5-6)	9/20/2021	Fill-Sand	2.2 J ^c	16.2	<0.14	6	4.6	0.031 J	<0.33	<16.5	<16.5	<16.5
SB-3 (1-2)	9/20/2021	Fill-Sand	2.8 ^{a,c}	27.9	0.23 J	9.3	34.5 ^c	0.019 J	<0.32	<16.3	<16.3	<16.3
SB-3 (5-6)	9/20/2021	Fill-Sand	2.0 J ^c	13.8	<0.14	5.5	9.5	0.057	<0.33	<16.4	<16.4	<16.4
SB-4 (1-2)	9/20/2021	Fill-Sand	2.7 ^{a,c}	25.8	0.27 J	7.8	47.8 ^c	0.050	<0.31	<16.2	<16.2	<16.2
SB-4 (4-5)	9/20/2021	Fill-Sandy, Clayey Silt	3.6 ^c	41.8	0.23 J	20.6	12.5	0.047	<0.33	<17.3	<17.3	<17.3
SB-5 (1-2)	9/20/2021	Fill-Sand	4 ^{a,b,c}	30.5	0.33 J	8.2	37.5 ^c	0.035 J	<0.31	<16.4	<16.4	<16.4
SB-5 (12-13)	9/20/2021	Fill-Silty Sand	3.5 ^c	37.2	0.27 J	16.4	11.3	<0.0099	<0.33	<17.0	<17.0	<17.0
SB-6 (2-3)	9/20/2021	Peat	7.9 ^{a,b,c}	185 ^b	<0.29	21.1	194^{c,d}	0.019 J	0.95 J^f	<17.1	<17.1	<17.1
SB-6 (4-5)	9/20/2021	Silty Clay	20.4^{c,d}	84.2	0.51 J	25.7	178^{c,d}	0.040 J	<0.35	<18.8	<18.8	<18.8
SB-6 (11-12)	9/20/2021	Silty Sand w/ sml shells	<2.0	29.5	<0.18	10.4	5.1	<0.013	<0.41	NA	NA	NA
SB-7 (1-2)	9/20/2021	Fill-Sand	16.2^{a,b,c,d}	180 ^b	0.99 J ^c	30.9	256^{c,d}	0.5 ^c	<0.70	18.6 J	19.4 J	37.9 J^f
SB-7 (4-5)	9/20/2021	Fill-Clay & Silt	11.5^{c,d}	44.9	0.17 J	13.8	183^{c,d}	0.049	0.38 J	<17.7	<17.7	<17.7
SB-8 (2-3)	9/20/2021	Fill-Sand	6.2 ^{a,b,c}	69.1	0.65	16.3	178^{c,d}	0.29 ^c	<0.33	30.6 J	<16.7	30.6 J^f
SB-8 (4-5)	9/20/2021	Fill-Sand	1.8 J ^c	15.8	<0.14	9.1	8.4	29.2 J ^c	<0.31	<15.8	<15.8	<15.8
SB-8 (14-15)	9/20/2021	Silt	<1.9	104	0.58 J	25.2	10.1	<0.014	<0.40	NA	NA	NA
SB-9 (1-2)	9/20/2021	Fill-Sand	22.2^{a,b,c,d}	503^{c,d}	0.57 J	29.9	354^{c,d}	0.19	1.6 J^c	<17.8	<17.8	<17.8
SB-9 (4-5)	9/20/2021	Fill-Sand	15.4^{c,d}	87.4	<0.32	25.5	367^{c,d}	0.027 J	1.2 J^c	<19.3	<19.3	<19.3
SB-10 (1-2)	9/21/2021	Fill-Sand	2.3 J ^{b,c}	18	<0.14	9	7	<0.011	<0.32	<17.1	<17.1	<17.1
SB-10 (4-5)	9/21/2021	Fill-Sand	2.2 J ^c	15	<0.14	7	5	<0.011	<0.32	<17.0	<17.0	<17.0
SB-11 (1-2)	9/21/2021	Fill-Sand	10^{a,b,c,d}	79.5	0.62	18.1	297^{c,d}	0.069	0.68 J	<17.8	<17.8	<17.8
SB-11 (5-6)	9/21/2021	Fill-Silty Sand	3.7 ^c	65.3	0.15 J	22.5	10.7	0.013 J	<0.35	<18.3	<18.3	<18.3
SB-12 (1-2)	9/21/2021	Fill-Silty sand	10.3^{a,b,c,d}	34.3	0.33 J	10.5	98.5^{c,d}	0.076	<0.34	<17.3	<17.3	<17.3
SB-12 (4-5)	9/21/2021	Fill-Sand	5.8 ^c	20.9	0.24 J	10.1	39.1 ^c	0.032 J	0.33 J	<16.4	<16.4	<16.4
SB-13 (1-2)	9/21/2021	Fill-Sand	12.7^{a,b,c,d}	76.9	0.48 J	26	146^{c,d}	0.074	1.0 J^c	<17.4	<17.4	<17.4
SB-13 (5-6)	9/21/2021	Fill-Sand	4.6 ^c	39.7	0.27 J	15.1	18.9	<0.011	<0.35	<18.0	<18.0	<18.0
B-1 (1-3)	11/22/2021	Fill-Silty Sand	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-2 (1-3)	11/22/2021	Fill-Silty Sand,	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-2 (1-4)	11/22/2021	Silty Clay	NA	NA	NA	NA	NA	NA	NA	<17.9	<17.9	<17.9
B-3 (1-3)	11/22/2021	Organic Silt	NA	NA	NA	NA	NA	NA	NA	<17.2	<17.2	<17.2
MW-5 (2-4)	11/22/2021	Fill-Sand	NA	NA	NA	NA	NA	NA	NA	<17.3	<17.3	<17.3
TW-14 (2-3)	1/25/2022	Fill-Sand	18.7^{a,b,c,d}	134	0.94 J ^c	24.6	216^{c,d}	0.11	0.82 J	<17.4	<17.4	<17.4
TW-14 (4-5)	1/25/2022	Fill-Sand	7.6 ^{a,b,c}	68.3	<0.29	25.1	190^{c,d}	0.085	<0.68	<17.4	<17.4	<17.4
12-PIT (8-9)	3/13/2024	Fill-Sand	4.5 ^{a,b,c}	29.0	0.18 J	14.0	10.8	<0.011	<0.35	<17.4	<17.4	<17.4
C1-PIT (4-5)	3/20/2024	Fill-Sand	10.5^c	94.5	1.3^c	18.7	275^c	0.051	<0.34	<18.6	<18.6	<18.6
B3-PIT (5-6)	3/26/2024	Fill-Sand	3.7^c	34.4	0.16 J	13.0	39.4^c	0.013 J	<0.31 U	<16.5	26.4 J	26.4 J^c
Direct Contact ¹	Non-Industrial ^a		0.677	15,300	71.1	NS	400	3.13	391	239	243	234
	Industrial ^b		3	100,000	985	NS	800	3.13	5,840	988	1,000	967
Groundwater Pathway ^c			0.584	164.8	0.752	360,000	27	0.208	0.8491	NS	NS	9.4
Background Threshold Value ^d			8.3	364	1	44	52	NS	NS	NS	NS	NS

Notes:

Metal concentrations are reported in milligrams per kilogram (mg/kg).

PCB concentrations are reported in micrograms per kilogram (µg/kg).

PCB = Polychlorinated Biphenyls

Depth of soil in feet below ground surface indicated in parentheses in sample name.

1 - Direct Contact, defined as soils existing between 0 and 4 feet below ground surface.

Bold = A value above the established NR 720 Background Threshold Value and Residual Contaminant Level.

a Analyte exceeds WAC NR Ch. 720 Non Industrial Direct Contact pathway (December 2018).

b Analyte exceeds WAC NR Ch. 720 Industrial Direct Contact pathway (December 2018).

c Analyte exceeds WAC NR Ch. 720 groundwater protection pathway (December 2018).

d Analyte exceeds WAC NR Ch. 720 background threshold values (December 2018).

Depth of soil in feet below ground surface indicated in parentheses in sample name.

* Native soil is silty-clay with layers of fine to medium and coarse sand (Geotest Inc., Geotechnical Subsurface Investigation, July 16, 2021).

NA - Parameter not analyzed.

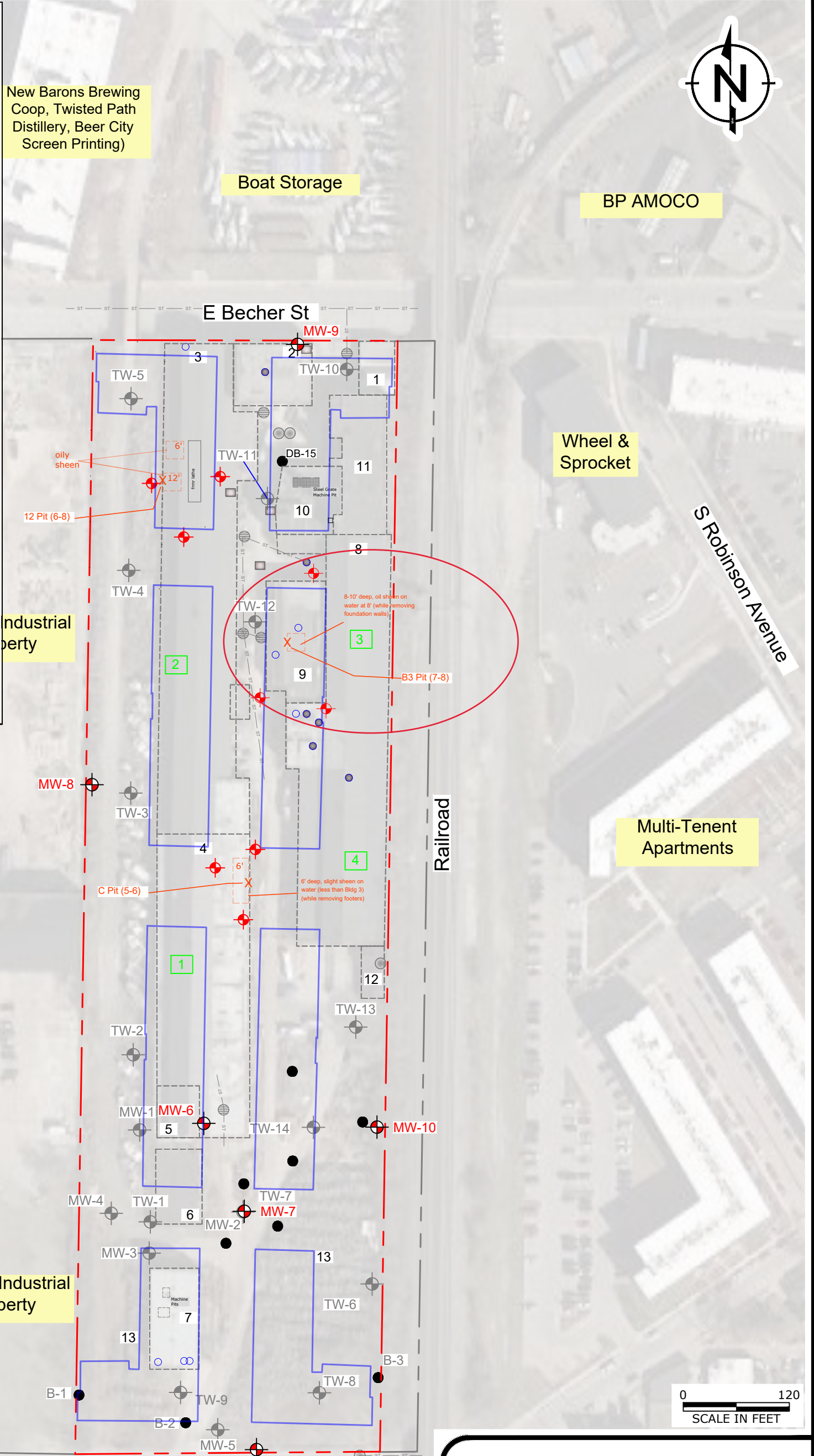
NS - No established standard.

J = Laboratory flag indicating that the result reported is between the Method Detection Limit and Limit of Quantitation (an uncertain or estimated result).

Figure

LEGEND

- FILER & STOWELL SITE BOUNDARY (APPROXIMATE)
- PROPERTY BOUNDARY (APPROXIMATE)
- OLD BLDGS -TO BE DEMOLISHED
- BORING/ABANDONED TEMPORARY MONITORING WELL LOCATION
- ABANDONED NR 141 GROUNDWATER MONITORING WELL
- B-1 ● SOIL BORING LOCATION
- 1 CONCRETE TEST PIT LOCATION
- SOIL REUSE SAMPLE LOCATION
- MW-1 ● SUB-SLAB SOIL VAPOR SAMPLING LOCATIONS
- CATCH BASIN
- DRAIN
- MANHOLE COVERS
- VAULT
- PIPE
- MW-8 PROPOSED GROUNDWATER MONITORING WELL (PFAS & 1,4-Dioxane)
- PROPOSED TEMPORARY GROUNDWATER MONITORING WELL (Oil Sheen)
- X EXCAVATION GRAB SOIL SAMPLE
- PROPOSED NEW BUILDING LOCATIONS



SITE FEATURES:

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

PROPOSED MONITORING WELL LOCATIONS

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

FIGURE

1

DRAFTED BY: RPM DATE: 04/02/2024 PROJECT: 1690023383

Attachment A



April 01, 2024

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

RE: Project: 1690023383 BECHER ST
Pace Project No.: 40275991

Dear Richard Mazurkiewicz:

Enclosed are the analytical results for sample(s) received by the laboratory on March 27, 2024. 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.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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SAMPLE SUMMARY

Project: 1690023383 BECHER ST
Pace Project No.: 40275991

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40275991001	B3 PIT SOIL	Solid	03/26/24 15:00	03/27/24 09:20
40275991002	B3 PIT GW	Water	03/26/24 15:00	03/27/24 09:20

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SAMPLE ANALYTE COUNT

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40275991001	B3 PIT SOIL	EPA 8082A	BLM	10
		EPA 6010D	SIS	7
		EPA 7471	RZA	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	65
		ASTM D2974-87	EGL	1
40275991002	B3 PIT GW	EPA 8082A	BLM	10
		EPA 6020B	KXS	7
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	CXJ	65

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Sample: B3 PIT SOIL Lab ID: 40275991001 Collected: 03/26/24 15:00 Received: 03/27/24 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<16.5	ug/kg	54.1	16.5	1	03/28/24 12:00	03/28/24 16:57	12674-11-2	
PCB-1221 (Aroclor 1221)	<16.5	ug/kg	54.1	16.5	1	03/28/24 12:00	03/28/24 16:57	11104-28-2	
PCB-1232 (Aroclor 1232)	<16.5	ug/kg	54.1	16.5	1	03/28/24 12:00	03/28/24 16:57	11141-16-5	
PCB-1242 (Aroclor 1242)	<16.5	ug/kg	54.1	16.5	1	03/28/24 12:00	03/28/24 16:57	53469-21-9	
PCB-1248 (Aroclor 1248)	<16.5	ug/kg	54.1	16.5	1	03/28/24 12:00	03/28/24 16:57	12672-29-6	
PCB-1254 (Aroclor 1254)	<16.5	ug/kg	54.1	16.5	1	03/28/24 12:00	03/28/24 16:57	11097-69-1	
PCB-1260 (Aroclor 1260)	26.4J	ug/kg	54.1	16.5	1	03/28/24 12:00	03/28/24 16:57	11096-82-5	
PCB, Total	26.4J	ug/kg	54.1	16.5	1	03/28/24 12:00	03/28/24 16:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	92	%	44-120		1	03/28/24 12:00	03/28/24 16:57	877-09-8	
Decachlorobiphenyl (S)	74	%	34-120		1	03/28/24 12:00	03/28/24 16:57	2051-24-3	
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.7	mg/kg	2.5	1.5	1	03/28/24 06:22	03/28/24 19:15	7440-38-2	
Barium	34.4	mg/kg	0.51	0.15	1	03/28/24 06:22	03/28/24 19:15	7440-39-3	
Cadmium	0.16J	mg/kg	0.51	0.14	1	03/28/24 06:22	03/28/24 19:15	7440-43-9	
Chromium	13.0	mg/kg	1.0	0.28	1	03/28/24 06:22	03/28/24 19:15	7440-47-3	
Lead	39.4	mg/kg	2.0	0.61	1	03/28/24 06:22	03/28/24 19:15	7439-92-1	
Selenium	<1.3	mg/kg	4.1	1.3	1	03/28/24 06:22	03/28/24 19:15	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	03/28/24 06:22	03/28/24 19:15	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.013J	mg/kg	0.038	0.011	1	04/01/24 10:40	04/01/24 13:48	7439-97-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.3	ug/kg	18.1	2.3	1	03/28/24 08:47	03/28/24 19:00	83-32-9	
Acenaphthylene	<2.3	ug/kg	18.1	2.3	1	03/28/24 08:47	03/28/24 19:00	208-96-8	
Anthracene	<2.2	ug/kg	18.1	2.2	1	03/28/24 08:47	03/28/24 19:00	120-12-7	
Benzo(a)anthracene	4.1J	ug/kg	18.1	2.3	1	03/28/24 08:47	03/28/24 19:00	56-55-3	
Benzo(a)pyrene	5.0J	ug/kg	18.1	2.1	1	03/28/24 08:47	03/28/24 19:00	50-32-8	
Benzo(b)fluoranthene	9.1J	ug/kg	18.1	2.5	1	03/28/24 08:47	03/28/24 19:00	205-99-2	
Benzo(g,h,i)perylene	6.6J	ug/kg	18.1	3.2	1	03/28/24 08:47	03/28/24 19:00	191-24-2	
Benzo(k)fluoranthene	3.4J	ug/kg	18.1	2.3	1	03/28/24 08:47	03/28/24 19:00	207-08-9	
Chrysene	5.0J	ug/kg	18.1	3.4	1	03/28/24 08:47	03/28/24 19:00	218-01-9	
Dibenz(a,h)anthracene	<2.5	ug/kg	18.1	2.5	1	03/28/24 08:47	03/28/24 19:00	53-70-3	
Fluoranthene	4.5J	ug/kg	18.1	2.1	1	03/28/24 08:47	03/28/24 19:00	206-44-0	
Fluorene	<2.2	ug/kg	18.1	2.2	1	03/28/24 08:47	03/28/24 19:00	86-73-7	
Indeno(1,2,3-cd)pyrene	4.2J	ug/kg	18.1	3.8	1	03/28/24 08:47	03/28/24 19:00	193-39-5	
1-Methylnaphthalene	<2.6	ug/kg	18.1	2.6	1	03/28/24 08:47	03/28/24 19:00	90-12-0	
2-Methylnaphthalene	<2.6	ug/kg	18.1	2.6	1	03/28/24 08:47	03/28/24 19:00	91-57-6	
Naphthalene	<1.8	ug/kg	18.1	1.8	1	03/28/24 08:47	03/28/24 19:00	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Sample: B3 PIT SOIL Lab ID: 40275991001 Collected: 03/26/24 15:00 Received: 03/27/24 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenanthrene	<2.1	ug/kg	18.1	2.1	1	03/28/24 08:47	03/28/24 19:00	85-01-8	
Pyrene	3.7J	ug/kg	18.1	2.7	1	03/28/24 08:47	03/28/24 19:00	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	39-120		1	03/28/24 08:47	03/28/24 19:00	321-60-8	
Terphenyl-d14 (S)	62	%	36-120		1	03/28/24 08:47	03/28/24 19:00	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.0	ug/kg	58.3	14.0	1	03/28/24 12:15	03/28/24 17:46	630-20-6	
1,1,1-Trichloroethane	<14.9	ug/kg	58.3	14.9	1	03/28/24 12:15	03/28/24 17:46	71-55-6	
1,1,2,2-Tetrachloroethane	<21.1	ug/kg	58.3	21.1	1	03/28/24 12:15	03/28/24 17:46	79-34-5	
1,1,2-Trichloroethane	<21.2	ug/kg	58.3	21.2	1	03/28/24 12:15	03/28/24 17:46	79-00-5	
1,1-Dichloroethane	<14.9	ug/kg	58.3	14.9	1	03/28/24 12:15	03/28/24 17:46	75-34-3	
1,1-Dichloroethene	<19.4	ug/kg	58.3	19.4	1	03/28/24 12:15	03/28/24 17:46	75-35-4	
1,1-Dichloropropene	<18.9	ug/kg	58.3	18.9	1	03/28/24 12:15	03/28/24 17:46	563-58-6	
1,2,3-Trichlorobenzene	<65.0	ug/kg	292	65.0	1	03/28/24 12:15	03/28/24 17:46	87-61-6	
1,2,3-Trichloropropane	<28.3	ug/kg	58.3	28.3	1	03/28/24 12:15	03/28/24 17:46	96-18-4	
1,2,4-Trichlorobenzene	<48.1	ug/kg	292	48.1	1	03/28/24 12:15	03/28/24 17:46	120-82-1	
1,2,4-Trimethylbenzene	<17.4	ug/kg	58.3	17.4	1	03/28/24 12:15	03/28/24 17:46	95-63-6	
1,2-Dibromo-3-chloropropane	<45.3	ug/kg	292	45.3	1	03/28/24 12:15	03/28/24 17:46	96-12-8	
1,2-Dibromoethane (EDB)	<16.0	ug/kg	58.3	16.0	1	03/28/24 12:15	03/28/24 17:46	106-93-4	
1,2-Dichlorobenzene	<18.1	ug/kg	58.3	18.1	1	03/28/24 12:15	03/28/24 17:46	95-50-1	
1,2-Dichloroethane	<13.4	ug/kg	58.3	13.4	1	03/28/24 12:15	03/28/24 17:46	107-06-2	
1,2-Dichloropropane	<13.9	ug/kg	58.3	13.9	1	03/28/24 12:15	03/28/24 17:46	78-87-5	
1,3,5-Trimethylbenzene	<18.8	ug/kg	58.3	18.8	1	03/28/24 12:15	03/28/24 17:46	108-67-8	
1,3-Dichlorobenzene	<16.0	ug/kg	58.3	16.0	1	03/28/24 12:15	03/28/24 17:46	541-73-1	
1,3-Dichloropropane	<12.7	ug/kg	58.3	12.7	1	03/28/24 12:15	03/28/24 17:46	142-28-9	
1,4-Dichlorobenzene	<16.0	ug/kg	58.3	16.0	1	03/28/24 12:15	03/28/24 17:46	106-46-7	
2,2-Dichloropropane	<15.7	ug/kg	58.3	15.7	1	03/28/24 12:15	03/28/24 17:46	594-20-7	
2-Chlorotoluene	<18.9	ug/kg	58.3	18.9	1	03/28/24 12:15	03/28/24 17:46	95-49-8	
4-Chlorotoluene	<22.2	ug/kg	58.3	22.2	1	03/28/24 12:15	03/28/24 17:46	106-43-4	
Benzene	<13.9	ug/kg	23.3	13.9	1	03/28/24 12:15	03/28/24 17:46	71-43-2	
Bromobenzene	<22.7	ug/kg	58.3	22.7	1	03/28/24 12:15	03/28/24 17:46	108-86-1	
Bromochloromethane	<16.0	ug/kg	58.3	16.0	1	03/28/24 12:15	03/28/24 17:46	74-97-5	
Bromodichloromethane	<13.9	ug/kg	58.3	13.9	1	03/28/24 12:15	03/28/24 17:46	75-27-4	
Bromoform	<257	ug/kg	292	257	1	03/28/24 12:15	03/28/24 17:46	75-25-2	
Bromomethane	<81.8	ug/kg	292	81.8	1	03/28/24 12:15	03/28/24 17:46	74-83-9	
Carbon tetrachloride	<12.8	ug/kg	58.3	12.8	1	03/28/24 12:15	03/28/24 17:46	56-23-5	
Chlorobenzene	<7.0	ug/kg	58.3	7.0	1	03/28/24 12:15	03/28/24 17:46	108-90-7	
Chloroethane	<24.6	ug/kg	292	24.6	1	03/28/24 12:15	03/28/24 17:46	75-00-3	
Chloroform	<41.8	ug/kg	292	41.8	1	03/28/24 12:15	03/28/24 17:46	67-66-3	
Chloromethane	<22.2	ug/kg	58.3	22.2	1	03/28/24 12:15	03/28/24 17:46	74-87-3	
Dibromochloromethane	<199	ug/kg	292	199	1	03/28/24 12:15	03/28/24 17:46	124-48-1	
Dibromomethane	<17.3	ug/kg	58.3	17.3	1	03/28/24 12:15	03/28/24 17:46	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Sample: B3 PIT SOIL Lab ID: 40275991001 Collected: 03/26/24 15:00 Received: 03/27/24 09:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Dichlorodifluoromethane	<25.1	ug/kg	58.3	25.1	1	03/28/24 12:15	03/28/24 17:46	75-71-8	
Diisopropyl ether	<14.5	ug/kg	58.3	14.5	1	03/28/24 12:15	03/28/24 17:46	108-20-3	
Ethylbenzene	<13.9	ug/kg	58.3	13.9	1	03/28/24 12:15	03/28/24 17:46	100-41-4	
Hexachloro-1,3-butadiene	<116	ug/kg	292	116	1	03/28/24 12:15	03/28/24 17:46	87-68-3	
Isopropylbenzene (Cumene)	<15.7	ug/kg	58.3	15.7	1	03/28/24 12:15	03/28/24 17:46	98-82-8	
Methyl-tert-butyl ether	<17.1	ug/kg	58.3	17.1	1	03/28/24 12:15	03/28/24 17:46	1634-04-4	
Methylene Chloride	<16.2	ug/kg	58.3	16.2	1	03/28/24 12:15	03/28/24 17:46	75-09-2	
Naphthalene	<24.5	ug/kg	292	24.5	1	03/28/24 12:15	03/28/24 17:46	91-20-3	
Styrene	<14.9	ug/kg	58.3	14.9	1	03/28/24 12:15	03/28/24 17:46	100-42-5	
Tetrachloroethene	<22.6	ug/kg	58.3	22.6	1	03/28/24 12:15	03/28/24 17:46	127-18-4	
Toluene	<14.7	ug/kg	58.3	14.7	1	03/28/24 12:15	03/28/24 17:46	108-88-3	
Trichloroethene	<21.8	ug/kg	58.3	21.8	1	03/28/24 12:15	03/28/24 17:46	79-01-6	
Trichlorofluoromethane	<16.9	ug/kg	58.3	16.9	1	03/28/24 12:15	03/28/24 17:46	75-69-4	
Vinyl chloride	<11.8	ug/kg	58.3	11.8	1	03/28/24 12:15	03/28/24 17:46	75-01-4	
Xylene (Total)	<42.1	ug/kg	175	42.1	1	03/28/24 12:15	03/28/24 17:46	1330-20-7	
cis-1,2-Dichloroethene	<12.5	ug/kg	58.3	12.5	1	03/28/24 12:15	03/28/24 17:46	156-59-2	
cis-1,3-Dichloropropene	<38.5	ug/kg	292	38.5	1	03/28/24 12:15	03/28/24 17:46	10061-01-5	
m&p-Xylene	<24.6	ug/kg	117	24.6	1	03/28/24 12:15	03/28/24 17:46	179601-23-1	
n-Butylbenzene	<26.7	ug/kg	58.3	26.7	1	03/28/24 12:15	03/28/24 17:46	104-51-8	
n-Propylbenzene	<14.0	ug/kg	58.3	14.0	1	03/28/24 12:15	03/28/24 17:46	103-65-1	
o-Xylene	<17.5	ug/kg	58.3	17.5	1	03/28/24 12:15	03/28/24 17:46	95-47-6	
p-Isopropyltoluene	<19.8	ug/kg	58.3	19.8	1	03/28/24 12:15	03/28/24 17:46	99-87-6	
sec-Butylbenzene	<20.0	ug/kg	58.3	20.0	1	03/28/24 12:15	03/28/24 17:46	135-98-8	
tert-Butylbenzene	<18.3	ug/kg	58.3	18.3	1	03/28/24 12:15	03/28/24 17:46	98-06-6	
trans-1,2-Dichloroethene	<12.7	ug/kg	58.3	12.7	1	03/28/24 12:15	03/28/24 17:46	156-60-5	
trans-1,3-Dichloropropene	<167	ug/kg	292	167	1	03/28/24 12:15	03/28/24 17:46	10061-02-6	
Surrogates									
Toluene-d8 (S)	114	%	70-139		1	03/28/24 12:15	03/28/24 17:46	2037-26-5	
4-Bromofluorobenzene (S)	121	%	72-142		1	03/28/24 12:15	03/28/24 17:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	122	%	67-144		1	03/28/24 12:15	03/28/24 17:46	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	7.7	%	0.10	0.10	1		03/27/24 13:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Sample: B3 PIT GW **Lab ID: 40275991002** Collected: 03/26/24 15:00 Received: 03/27/24 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB Low Volume									
Analytical Method: EPA 8082A Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<0.11	ug/L	0.50	0.11	1	03/29/24 08:46	03/29/24 17:05	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.11	ug/L	0.50	0.11	1	03/29/24 08:46	03/29/24 17:05	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.11	ug/L	0.50	0.11	1	03/29/24 08:46	03/29/24 17:05	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.11	ug/L	0.50	0.11	1	03/29/24 08:46	03/29/24 17:05	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.11	ug/L	0.50	0.11	1	03/29/24 08:46	03/29/24 17:05	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.11	ug/L	0.50	0.11	1	03/29/24 08:46	03/29/24 17:05	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.11	ug/L	0.50	0.11	1	03/29/24 08:46	03/29/24 17:05	11096-82-5	
PCB, Total	<0.11	ug/L	0.50	0.11	1	03/29/24 08:46	03/29/24 17:05	1336-36-3	
Surrogates									
Decachlorobiphenyl (S)	47	%	10-132		1	03/29/24 08:46	03/29/24 17:05	2051-24-3	
Tetrachloro-m-xylene (S)	69	%	41-120		1	03/29/24 08:46	03/29/24 17:05	877-09-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	4.2	ug/L	1.0	0.28	1	03/28/24 06:12	03/28/24 23:31	7440-38-2	
Barium, Dissolved	103	ug/L	2.3	0.70	1	03/28/24 06:12	03/28/24 23:31	7440-39-3	
Cadmium, Dissolved	<0.15	ug/L	1.0	0.15	1	03/28/24 06:12	03/28/24 23:31	7440-43-9	
Chromium, Dissolved	3.0J	ug/L	3.4	1.0	1	03/28/24 06:12	03/29/24 08:54	7440-47-3	
Lead, Dissolved	28.3	ug/L	1.0	0.24	1	03/28/24 06:12	03/28/24 23:31	7439-92-1	
Selenium, Dissolved	10.8	ug/L	1.1	0.32	1	03/28/24 06:12	03/28/24 23:31	7782-49-2	
Silver, Dissolved	<0.13	ug/L	0.50	0.13	1	03/28/24 06:12	03/28/24 23:31	7440-22-4	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	03/29/24 11:36	04/01/24 11:09	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.42	ug/L	0.050	0.014	1	03/27/24 13:24	03/28/24 13:32	83-32-9	
Acenaphthylene	0.061	ug/L	0.050	0.013	1	03/27/24 13:24	03/28/24 13:32	208-96-8	
Anthracene	0.28	ug/L	0.050	0.018	1	03/27/24 13:24	03/28/24 13:32	120-12-7	
Benzo(a)anthracene	0.27	ug/L	0.050	0.014	1	03/27/24 13:24	03/28/24 13:32	56-55-3	
Benzo(a)pyrene	0.20	ug/L	0.050	0.013	1	03/27/24 13:24	03/28/24 13:32	50-32-8	
Benzo(b)fluoranthene	0.25	ug/L	0.050	0.0091	1	03/27/24 13:24	03/28/24 13:32	205-99-2	
Benzo(g,h,i)perylene	0.20	ug/L	0.050	0.023	1	03/27/24 13:24	03/28/24 13:32	191-24-2	
Benzo(k)fluoranthene	0.076	ug/L	0.050	0.022	1	03/27/24 13:24	03/28/24 13:32	207-08-9	
Chrysene	0.45	ug/L	0.050	0.013	1	03/27/24 13:24	03/28/24 13:32	218-01-9	
Dibenz(a,h)anthracene	0.042J	ug/L	0.050	0.018	1	03/27/24 13:24	03/28/24 13:32	53-70-3	
Fluoranthene	0.26	ug/L	0.050	0.026	1	03/27/24 13:24	03/28/24 13:32	206-44-0	
Fluorene	0.36	ug/L	0.050	0.024	1	03/27/24 13:24	03/28/24 13:32	86-73-7	
Indeno(1,2,3-cd)pyrene	0.13	ug/L	0.050	0.016	1	03/27/24 13:24	03/28/24 13:32	193-39-5	
1-Methylnaphthalene	0.61	ug/L	0.050	0.018	1	03/27/24 13:24	03/28/24 13:32	90-12-0	
2-Methylnaphthalene	0.27	ug/L	0.050	0.014	1	03/27/24 13:24	03/28/24 13:32	91-57-6	
Naphthalene	0.29	ug/L	0.050	0.020	1	03/27/24 13:24	03/28/24 13:32	91-20-3	1q
Phenanthrene	0.44	ug/L	0.050	0.026	1	03/27/24 13:24	03/28/24 13:32	85-01-8	

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ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Sample: B3 PIT GW Lab ID: 40275991002 Collected: 03/26/24 15:00 Received: 03/27/24 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Pyrene	1.0	ug/L	0.050	0.023	1	03/27/24 13:24	03/28/24 13:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	38-120		1	03/27/24 13:24	03/28/24 13:32	321-60-8	
Terphenyl-d14 (S)	61	%	47-121		1	03/27/24 13:24	03/28/24 13:32	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		03/28/24 23:11	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		03/28/24 23:11	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		03/28/24 23:11	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		03/28/24 23:11	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		03/28/24 23:11	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		03/28/24 23:11	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		03/28/24 23:11	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		03/28/24 23:11	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		03/28/24 23:11	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/28/24 23:11	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		03/28/24 23:11	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		03/28/24 23:11	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		03/28/24 23:11	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		03/28/24 23:11	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		03/28/24 23:11	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		03/28/24 23:11	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		03/28/24 23:11	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		03/28/24 23:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		03/28/24 23:11	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		03/28/24 23:11	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		03/28/24 23:11	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		03/28/24 23:11	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		03/28/24 23:11	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		03/28/24 23:11	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		03/28/24 23:11	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		03/28/24 23:11	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		03/28/24 23:11	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		03/28/24 23:11	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		03/28/24 23:11	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		03/28/24 23:11	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		03/28/24 23:11	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		03/28/24 23:11	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		03/28/24 23:11	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		03/28/24 23:11	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		03/28/24 23:11	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		03/28/24 23:11	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		03/28/24 23:11	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		03/28/24 23:11	87-68-3	

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ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Sample: B3 PIT GW Lab ID: 40275991002 Collected: 03/26/24 15:00 Received: 03/27/24 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		03/28/24 23:11	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		03/28/24 23:11	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		03/28/24 23:11	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		03/28/24 23:11	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		03/28/24 23:11	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		03/28/24 23:11	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		03/28/24 23:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		03/28/24 23:11	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		03/28/24 23:11	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		03/28/24 23:11	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		03/28/24 23:11	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		03/28/24 23:11	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/28/24 23:11	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		03/28/24 23:11	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		03/28/24 23:11	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		03/28/24 23:11	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		03/28/24 23:11	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		03/28/24 23:11	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		03/28/24 23:11	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		03/28/24 23:11	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/28/24 23:11	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		03/28/24 23:11	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		03/28/24 23:11	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		03/28/24 23:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		03/28/24 23:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		03/28/24 23:11	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		03/28/24 23:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470435	Analysis Method: EPA 7470
QC Batch Method: EPA 7470	Analysis Description: 7470 Mercury Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991002

METHOD BLANK: 2694477 Matrix: Water

Associated Lab Samples: 40275991002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	04/01/24 10:06	

LABORATORY CONTROL SAMPLE: 2694478

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2694479 2694480

Parameter	Units	2694479		2694480		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Mercury, Dissolved	ug/L	<0.066	5	5	5.1	5.0	101	100	85-115	1	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470503

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991001

METHOD BLANK: 2694964

Matrix: Solid

Associated Lab Samples: 40275991001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	04/01/24 13:43	

LABORATORY CONTROL SAMPLE: 2694965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.85	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2694966 2694967

Parameter	Units	40275991001		2694967		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Mercury	mg/kg	0.013J	0.9	0.9	0.96	0.94	106	103	85-115	2	20	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470179

Analysis Method: EPA 6010D

QC Batch Method: EPA 3050B

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991001

METHOD BLANK: 2693415

Matrix: Solid

Associated Lab Samples: 40275991001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	03/28/24 18:48	
Barium	mg/kg	<0.15	0.50	03/28/24 18:48	
Cadmium	mg/kg	<0.13	0.50	03/28/24 18:48	
Chromium	mg/kg	<0.28	1.0	03/28/24 18:48	
Lead	mg/kg	<0.60	2.0	03/28/24 18:48	
Selenium	mg/kg	<1.3	4.0	03/28/24 18:48	
Silver	mg/kg	<0.31	1.0	03/28/24 18:48	

LABORATORY CONTROL SAMPLE: 2693416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	24.7	99	80-120	
Barium	mg/kg	25	26.8	107	80-120	
Cadmium	mg/kg	25	26.6	106	80-120	
Chromium	mg/kg	25	26.3	105	80-120	
Lead	mg/kg	25	26.8	107	80-120	
Selenium	mg/kg	25	25.4	102	80-120	
Silver	mg/kg	12.5	13.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2693417 2693418

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40275940001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Arsenic	mg/kg	4.2J	30.7	30.5	34.2	34.1	98	98	75-125	0	20	
Barium	mg/kg	112	30.7	30.5	181	169	223	185	75-125	7	20	M0
Cadmium	mg/kg	<0.33	30.7	30.5	32.6	32.4	106	106	75-125	1	20	
Chromium	mg/kg	38.3	30.7	30.5	77.3	73.4	127	115	75-125	5	20	M0
Lead	mg/kg	9.5	30.7	30.5	42.0	41.4	106	104	75-125	1	20	
Selenium	mg/kg	<3.2	30.7	30.5	33.3	33.2	104	105	75-125	0	20	
Silver	mg/kg	<0.75	15.4	15.3	17.0	16.5	109	106	75-125	3	20	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470298

Analysis Method: EPA 6020B

QC Batch Method: EPA 3010A

Analysis Description: 6020B MET Dissolved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991002

METHOD BLANK: 2693884

Matrix: Water

Associated Lab Samples: 40275991002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<0.28	1.0	03/28/24 23:17	
Barium, Dissolved	ug/L	<0.70	2.3	03/28/24 23:17	
Cadmium, Dissolved	ug/L	<0.15	1.0	03/28/24 23:17	
Chromium, Dissolved	ug/L	<1.0	3.4	03/29/24 09:45	
Lead, Dissolved	ug/L	<0.24	1.0	03/28/24 23:17	
Selenium, Dissolved	ug/L	<0.32	1.1	03/28/24 23:17	
Silver, Dissolved	ug/L	<0.13	0.50	03/28/24 23:17	

LABORATORY CONTROL SAMPLE: 2693885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	250	268	107	80-120	
Barium, Dissolved	ug/L	250	277	111	80-120	
Cadmium, Dissolved	ug/L	250	279	112	80-120	
Chromium, Dissolved	ug/L	250	263	105	80-120	
Lead, Dissolved	ug/L	250	289	116	80-120	
Selenium, Dissolved	ug/L	250	270	108	80-120	
Silver, Dissolved	ug/L	125	141	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2693886 2693887

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40275991002 Result	Spike Conc.	Spike Conc.	Result						
Arsenic, Dissolved	ug/L	4.2	250	250	282	282	111	111	75-125	0	20
Barium, Dissolved	ug/L	103	250	250	389	390	115	115	75-125	0	20
Cadmium, Dissolved	ug/L	<0.15	250	250	262	269	105	108	75-125	3	20
Chromium, Dissolved	ug/L	3.0J	250	250	261	258	103	102	75-125	1	20
Lead, Dissolved	ug/L	28.3	250	250	304	316	110	115	75-125	4	20
Selenium, Dissolved	ug/L	10.8	250	250	294	298	113	115	75-125	1	20
Silver, Dissolved	ug/L	<0.13	125	125	127	130	101	104	75-125	2	20

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470352

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991001

METHOD BLANK: 2694207

Matrix: Solid

Associated Lab Samples: 40275991001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	03/28/24 13:53	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	03/28/24 13:53	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	03/28/24 13:53	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	03/28/24 13:53	
1,1-Dichloroethane	ug/kg	<12.8	50.0	03/28/24 13:53	
1,1-Dichloroethene	ug/kg	<16.6	50.0	03/28/24 13:53	
1,1-Dichloropropene	ug/kg	<16.2	50.0	03/28/24 13:53	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	03/28/24 13:53	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	03/28/24 13:53	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	03/28/24 13:53	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	03/28/24 13:53	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	03/28/24 13:53	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	03/28/24 13:53	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	03/28/24 13:53	
1,2-Dichloroethane	ug/kg	<11.5	50.0	03/28/24 13:53	
1,2-Dichloropropane	ug/kg	<11.9	50.0	03/28/24 13:53	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	03/28/24 13:53	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	03/28/24 13:53	
1,3-Dichloropropane	ug/kg	<10.9	50.0	03/28/24 13:53	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	03/28/24 13:53	
2,2-Dichloropropane	ug/kg	<13.5	50.0	03/28/24 13:53	
2-Chlorotoluene	ug/kg	<16.2	50.0	03/28/24 13:53	
4-Chlorotoluene	ug/kg	<19.0	50.0	03/28/24 13:53	
Benzene	ug/kg	<11.9	20.0	03/28/24 13:53	
Bromobenzene	ug/kg	<19.5	50.0	03/28/24 13:53	
Bromochloromethane	ug/kg	<13.7	50.0	03/28/24 13:53	
Bromodichloromethane	ug/kg	<11.9	50.0	03/28/24 13:53	
Bromoform	ug/kg	<220	250	03/28/24 13:53	
Bromomethane	ug/kg	<70.1	250	03/28/24 13:53	
Carbon tetrachloride	ug/kg	<11.0	50.0	03/28/24 13:53	
Chlorobenzene	ug/kg	<6.0	50.0	03/28/24 13:53	
Chloroethane	ug/kg	<21.1	250	03/28/24 13:53	
Chloroform	ug/kg	<35.8	250	03/28/24 13:53	
Chloromethane	ug/kg	<19.0	50.0	03/28/24 13:53	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	03/28/24 13:53	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	03/28/24 13:53	
Dibromochloromethane	ug/kg	<171	250	03/28/24 13:53	
Dibromomethane	ug/kg	<14.8	50.0	03/28/24 13:53	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	03/28/24 13:53	
Diisopropyl ether	ug/kg	<12.4	50.0	03/28/24 13:53	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

METHOD BLANK: 2694207

Matrix: Solid

Associated Lab Samples: 40275991001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	03/28/24 13:53	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	03/28/24 13:53	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	03/28/24 13:53	
m&p-Xylene	ug/kg	<21.1	100	03/28/24 13:53	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	03/28/24 13:53	
Methylene Chloride	ug/kg	<13.9	50.0	03/28/24 13:53	
n-Butylbenzene	ug/kg	<22.9	50.0	03/28/24 13:53	
n-Propylbenzene	ug/kg	<12.0	50.0	03/28/24 13:53	
Naphthalene	ug/kg	<21.0	250	03/28/24 13:53	
o-Xylene	ug/kg	<15.0	50.0	03/28/24 13:53	
p-Isopropyltoluene	ug/kg	<17.0	50.0	03/28/24 13:53	
sec-Butylbenzene	ug/kg	<17.2	50.0	03/28/24 13:53	
Styrene	ug/kg	<12.8	50.0	03/28/24 13:53	
tert-Butylbenzene	ug/kg	<15.7	50.0	03/28/24 13:53	
Tetrachloroethene	ug/kg	<19.4	50.0	03/28/24 13:53	
Toluene	ug/kg	<12.6	50.0	03/28/24 13:53	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	03/28/24 13:53	
trans-1,3-Dichloropropene	ug/kg	<143	250	03/28/24 13:53	
Trichloroethene	ug/kg	<18.7	50.0	03/28/24 13:53	
Trichlorofluoromethane	ug/kg	<14.5	50.0	03/28/24 13:53	
Vinyl chloride	ug/kg	<10.1	50.0	03/28/24 13:53	
Xylene (Total)	ug/kg	<36.1	150	03/28/24 13:53	
1,2-Dichlorobenzene-d4 (S)	%	107	67-144	03/28/24 13:53	
4-Bromofluorobenzene (S)	%	109	72-142	03/28/24 13:53	
Toluene-d8 (S)	%	101	70-139	03/28/24 13:53	

LABORATORY CONTROL SAMPLE: 2694208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2270	91	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2570	103	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2340	94	70-130	
1,1-Dichloroethane	ug/kg	2500	2510	100	70-130	
1,1-Dichloroethene	ug/kg	2500	2300	92	77-122	
1,2,4-Trichlorobenzene	ug/kg	2500	2310	92	66-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2330	93	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2420	97	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2760	110	70-130	
1,2-Dichloroethane	ug/kg	2500	2550	102	70-130	
1,2-Dichloropropane	ug/kg	2500	2520	101	80-121	
1,3-Dichlorobenzene	ug/kg	2500	2710	108	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2680	107	70-130	
Benzene	ug/kg	2500	2420	97	70-130	
Bromodichloromethane	ug/kg	2500	2540	102	70-130	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

LABORATORY CONTROL SAMPLE: 2694208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2310	93	67-130	
Bromomethane	ug/kg	2500	2520	101	25-150	
Carbon tetrachloride	ug/kg	2500	2390	96	72-136	
Chlorobenzene	ug/kg	2500	2570	103	70-130	
Chloroethane	ug/kg	2500	2460	98	20-178	
Chloroform	ug/kg	2500	2410	96	80-120	
Chloromethane	ug/kg	2500	1860	74	45-123	
cis-1,2-Dichloroethene	ug/kg	2500	2440	98	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2360	94	70-130	
Dibromochloromethane	ug/kg	2500	2370	95	70-130	
Dichlorodifluoromethane	ug/kg	2500	1630	65	14-106	
Ethylbenzene	ug/kg	2500	2340	94	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2260	91	70-130	
m&p-Xylene	ug/kg	5000	4770	95	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2420	97	70-130	
Methylene Chloride	ug/kg	2500	2570	103	70-130	
o-Xylene	ug/kg	2500	2510	100	70-130	
Styrene	ug/kg	2500	2600	104	70-130	
Tetrachloroethene	ug/kg	2500	2370	95	70-130	
Toluene	ug/kg	2500	2470	99	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2280	91	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Trichloroethene	ug/kg	2500	2520	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2230	89	49-141	
Vinyl chloride	ug/kg	2500	1860	74	59-120	
Xylene (Total)	ug/kg	7500	7290	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			116	67-144	
4-Bromofluorobenzene (S)	%			115	72-142	
Toluene-d8 (S)	%			105	70-139	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470322

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991002

METHOD BLANK: 2693991

Matrix: Water

Associated Lab Samples: 40275991002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	03/28/24 16:21	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	03/28/24 16:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	03/28/24 16:21	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	03/28/24 16:21	
1,1-Dichloroethane	ug/L	<0.30	1.0	03/28/24 16:21	
1,1-Dichloroethene	ug/L	<0.58	1.0	03/28/24 16:21	
1,1-Dichloropropene	ug/L	<0.41	1.0	03/28/24 16:21	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	03/28/24 16:21	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	03/28/24 16:21	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	03/28/24 16:21	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	03/28/24 16:21	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	03/28/24 16:21	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	03/28/24 16:21	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	03/28/24 16:21	
1,2-Dichloroethane	ug/L	<0.29	1.0	03/28/24 16:21	
1,2-Dichloropropane	ug/L	<0.45	1.0	03/28/24 16:21	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	03/28/24 16:21	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	03/28/24 16:21	
1,3-Dichloropropane	ug/L	<0.30	1.0	03/28/24 16:21	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	03/28/24 16:21	
2,2-Dichloropropane	ug/L	<0.42	1.0	03/28/24 16:21	
2-Chlorotoluene	ug/L	<0.89	5.0	03/28/24 16:21	
4-Chlorotoluene	ug/L	<0.89	5.0	03/28/24 16:21	
Benzene	ug/L	<0.30	1.0	03/28/24 16:21	
Bromobenzene	ug/L	<0.36	1.0	03/28/24 16:21	
Bromochloromethane	ug/L	<0.36	1.0	03/28/24 16:21	
Bromodichloromethane	ug/L	<0.42	1.0	03/28/24 16:21	
Bromoform	ug/L	<0.43	1.0	03/28/24 16:21	
Bromomethane	ug/L	<1.2	5.0	03/28/24 16:21	
Carbon tetrachloride	ug/L	<0.37	1.0	03/28/24 16:21	
Chlorobenzene	ug/L	<0.86	1.0	03/28/24 16:21	
Chloroethane	ug/L	<1.4	5.0	03/28/24 16:21	
Chloroform	ug/L	<0.50	5.0	03/28/24 16:21	
Chloromethane	ug/L	<1.6	5.0	03/28/24 16:21	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	03/28/24 16:21	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	03/28/24 16:21	
Dibromochloromethane	ug/L	<2.6	5.0	03/28/24 16:21	
Dibromomethane	ug/L	<0.99	5.0	03/28/24 16:21	
Dichlorodifluoromethane	ug/L	<0.46	5.0	03/28/24 16:21	
Diisopropyl ether	ug/L	<1.1	5.0	03/28/24 16:21	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

METHOD BLANK: 2693991

Matrix: Water

Associated Lab Samples: 40275991002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	03/28/24 16:21	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	03/28/24 16:21	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	03/28/24 16:21	
m&p-Xylene	ug/L	<0.70	2.0	03/28/24 16:21	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	03/28/24 16:21	
Methylene Chloride	ug/L	<0.32	5.0	03/28/24 16:21	
n-Butylbenzene	ug/L	<0.86	1.0	03/28/24 16:21	
n-Propylbenzene	ug/L	<0.35	1.0	03/28/24 16:21	
Naphthalene	ug/L	<1.9	5.0	03/28/24 16:21	
o-Xylene	ug/L	<0.35	1.0	03/28/24 16:21	
p-Isopropyltoluene	ug/L	<1.0	5.0	03/28/24 16:21	
sec-Butylbenzene	ug/L	<0.42	1.0	03/28/24 16:21	
Styrene	ug/L	<0.36	1.0	03/28/24 16:21	
tert-Butylbenzene	ug/L	<0.59	1.0	03/28/24 16:21	
Tetrachloroethene	ug/L	<0.41	1.0	03/28/24 16:21	
Toluene	ug/L	<0.29	1.0	03/28/24 16:21	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	03/28/24 16:21	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	03/28/24 16:21	
Trichloroethene	ug/L	<0.32	1.0	03/28/24 16:21	
Trichlorofluoromethane	ug/L	<0.42	1.0	03/28/24 16:21	
Vinyl chloride	ug/L	<0.17	1.0	03/28/24 16:21	
Xylene (Total)	ug/L	<1.0	3.0	03/28/24 16:21	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	03/28/24 16:21	
4-Bromofluorobenzene (S)	%	96	70-130	03/28/24 16:21	
Toluene-d8 (S)	%	100	70-130	03/28/24 16:21	

LABORATORY CONTROL SAMPLE: 2693992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.4	95	70-132	
1,1,2,2-Tetrachloroethane	ug/L	50	46.0	92	70-130	
1,1,2-Trichloroethane	ug/L	50	46.2	92	70-130	
1,1-Dichloroethane	ug/L	50	47.3	95	70-130	
1,1-Dichloroethene	ug/L	50	45.4	91	73-140	
1,2,4-Trichlorobenzene	ug/L	50	44.4	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.5	81	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	47.1	94	70-130	
1,2-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dichloroethane	ug/L	50	47.6	95	70-130	
1,2-Dichloropropane	ug/L	50	48.9	98	77-127	
1,3-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,4-Dichlorobenzene	ug/L	50	52.0	104	70-130	
Benzene	ug/L	50	47.9	96	70-130	
Bromodichloromethane	ug/L	50	47.1	94	70-130	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

LABORATORY CONTROL SAMPLE: 2693992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	38.1	76	70-130	
Bromomethane	ug/L	50	38.4	77	22-141	
Carbon tetrachloride	ug/L	50	44.2	88	70-135	
Chlorobenzene	ug/L	50	50.2	100	70-130	
Chloroethane	ug/L	50	41.6	83	59-141	
Chloroform	ug/L	50	47.5	95	80-124	
Chloromethane	ug/L	50	29.2	58	29-150	
cis-1,2-Dichloroethene	ug/L	50	47.4	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.6	91	70-130	
Dibromochloromethane	ug/L	50	40.9	82	70-130	
Dichlorodifluoromethane	ug/L	50	12.5	25	10-147	
Ethylbenzene	ug/L	50	50.3	101	80-125	
Isopropylbenzene (Cumene)	ug/L	50	46.8	94	70-130	
m&p-Xylene	ug/L	100	99.8	100	70-130	
Methyl-tert-butyl ether	ug/L	50	37.3	75	64-131	
Methylene Chloride	ug/L	50	48.1	96	70-137	
o-Xylene	ug/L	50	50.2	100	70-130	
Styrene	ug/L	50	49.9	100	70-130	
Tetrachloroethene	ug/L	50	48.3	97	70-130	
Toluene	ug/L	50	48.6	97	80-120	
trans-1,2-Dichloroethene	ug/L	50	47.6	95	70-131	
trans-1,3-Dichloropropene	ug/L	50	40.7	81	70-130	
Trichloroethene	ug/L	50	48.2	96	70-130	
Trichlorofluoromethane	ug/L	50	44.4	89	69-141	
Vinyl chloride	ug/L	50	33.1	66	51-145	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470331

Analysis Method: EPA 8082A

QC Batch Method: EPA 3541

Analysis Description: 8082 GCS PCB

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991001

METHOD BLANK: 2694061

Matrix: Solid

Associated Lab Samples: 40275991001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	03/28/24 14:24	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	03/28/24 14:24	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	03/28/24 14:24	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	03/28/24 14:24	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	03/28/24 14:24	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	03/28/24 14:24	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	03/28/24 14:24	
Decachlorobiphenyl (S)	%	76	34-120	03/28/24 14:24	
Tetrachloro-m-xylene (S)	%	94	44-120	03/28/24 14:24	

LABORATORY CONTROL SAMPLE: 2694062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	408	82	69-120	
Decachlorobiphenyl (S)	%			79	34-120	
Tetrachloro-m-xylene (S)	%			94	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2694063 2694064

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40275991001	Spike Conc.	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/kg	<16.5			<16.4	<16.5					20
PCB-1221 (Aroclor 1221)	ug/kg	<16.5			<16.4	<16.5					20
PCB-1232 (Aroclor 1232)	ug/kg	<16.5			<16.4	<16.5					20
PCB-1242 (Aroclor 1242)	ug/kg	<16.5			<16.4	<16.5					20
PCB-1248 (Aroclor 1248)	ug/kg	<16.5			<16.4	<16.5					20
PCB-1254 (Aroclor 1254)	ug/kg	<16.5			<16.4	<16.5					20
PCB-1260 (Aroclor 1260)	ug/kg	26.4J	539	543	442	456	77	79	51-120	3	20
Decachlorobiphenyl (S)	%						78	79	34-120		
Tetrachloro-m-xylene (S)	%						92	92	44-120		

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470420

Analysis Method: EPA 8082A

QC Batch Method: EPA 3510

Analysis Description: 8082A GCS PCB Low Volume

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991002

METHOD BLANK: 2694424

Matrix: Water

Associated Lab Samples: 40275991002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.11	0.50	03/29/24 16:00	
PCB-1221 (Aroclor 1221)	ug/L	<0.11	0.50	03/29/24 16:00	
PCB-1232 (Aroclor 1232)	ug/L	<0.11	0.50	03/29/24 16:00	
PCB-1242 (Aroclor 1242)	ug/L	<0.11	0.50	03/29/24 16:00	
PCB-1248 (Aroclor 1248)	ug/L	<0.11	0.50	03/29/24 16:00	
PCB-1254 (Aroclor 1254)	ug/L	<0.11	0.50	03/29/24 16:00	
PCB-1260 (Aroclor 1260)	ug/L	<0.11	0.50	03/29/24 16:00	
Decachlorobiphenyl (S)	%	84	10-132	03/29/24 16:00	
Tetrachloro-m-xylene (S)	%	63	41-120	03/29/24 16:00	

LABORATORY CONTROL SAMPLE & LCSD: 2694425

2694426

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L		<0.11	<0.11					20	
PCB-1221 (Aroclor 1221)	ug/L		<0.11	<0.11					20	
PCB-1232 (Aroclor 1232)	ug/L		<0.11	<0.11					20	
PCB-1242 (Aroclor 1242)	ug/L		<0.11	<0.11					20	
PCB-1248 (Aroclor 1248)	ug/L		<0.11	<0.11					20	
PCB-1254 (Aroclor 1254)	ug/L		<0.11	<0.11					20	
PCB-1260 (Aroclor 1260)	ug/L	5	4.6	4.6	92	92	70-120	0	20	
Decachlorobiphenyl (S)	%				92	90	10-132			
Tetrachloro-m-xylene (S)	%				72	72	41-120			

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470307

Analysis Method: EPA 8270E by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270E/3546 MSSV PAH by SIM

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991001

METHOD BLANK: 2693914

Matrix: Solid

Associated Lab Samples: 40275991001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	03/28/24 10:50	
2-Methylnaphthalene	ug/kg	<2.4	16.7	03/28/24 10:50	
Acenaphthene	ug/kg	<2.2	16.7	03/28/24 10:50	
Acenaphthylene	ug/kg	<2.1	16.7	03/28/24 10:50	
Anthracene	ug/kg	<2.1	16.7	03/28/24 10:50	
Benzo(a)anthracene	ug/kg	<2.2	16.7	03/28/24 10:50	
Benzo(a)pyrene	ug/kg	<1.9	16.7	03/28/24 10:50	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	03/28/24 10:50	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	03/28/24 10:50	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	03/28/24 10:50	
Chrysene	ug/kg	<3.1	16.7	03/28/24 10:50	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	03/28/24 10:50	
Fluoranthene	ug/kg	<2.0	16.7	03/28/24 10:50	
Fluorene	ug/kg	<2.0	16.7	03/28/24 10:50	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	03/28/24 10:50	
Naphthalene	ug/kg	<1.6	16.7	03/28/24 10:50	
Phenanthrene	ug/kg	<1.9	16.7	03/28/24 10:50	
Pyrene	ug/kg	<2.5	16.7	03/28/24 10:50	
2-Fluorobiphenyl (S)	%	78	39-120	03/28/24 10:50	
Terphenyl-d14 (S)	%	80	36-120	03/28/24 10:50	

LABORATORY CONTROL SAMPLE: 2693915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	237	71	62-120	
2-Methylnaphthalene	ug/kg	333	240	72	61-120	
Acenaphthene	ug/kg	333	260	78	66-120	
Acenaphthylene	ug/kg	333	261	78	63-120	
Anthracene	ug/kg	333	283	85	72-120	
Benzo(a)anthracene	ug/kg	333	289	87	64-120	
Benzo(a)pyrene	ug/kg	333	308	92	76-120	
Benzo(b)fluoranthene	ug/kg	333	320	96	62-120	
Benzo(g,h,i)perylene	ug/kg	333	346	104	73-120	
Benzo(k)fluoranthene	ug/kg	333	317	95	69-120	
Chrysene	ug/kg	333	277	83	70-120	
Dibenz(a,h)anthracene	ug/kg	333	326	98	72-120	
Fluoranthene	ug/kg	333	311	93	71-120	
Fluorene	ug/kg	333	277	83	68-120	
Indeno(1,2,3-cd)pyrene	ug/kg	333	326	98	72-120	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

LABORATORY CONTROL SAMPLE: 2693915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	333	236	71	60-120	
Phenanthrene	ug/kg	333	294	88	66-120	
Pyrene	ug/kg	333	267	80	65-120	
2-Fluorobiphenyl (S)	%			75	39-120	
Terphenyl-d14 (S)	%			83	36-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2693916 2693917

Parameter	Units	40275999010		2693916		2693917		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1-Methylnaphthalene	ug/kg	<20.9	417	417	249	266	59	64	50-120	7	34		
2-Methylnaphthalene	ug/kg	<20.9	417	417	248	264	59	63	48-120	6	29		
Acenaphthene	ug/kg	<0.021 mg/kg	417	417	265	286	63	69	51-120	8	26		
Acenaphthylene	ug/kg	<0.021 mg/kg	417	417	263	286	63	69	49-120	8	22		
Anthracene	ug/kg	<0.021 mg/kg	417	417	271	293	65	70	52-120	8	25		
Benzo(a)anthracene	ug/kg	<0.021 mg/kg	417	417	262	283	63	68	47-120	8	37		
Benzo(a)pyrene	ug/kg	<0.021 mg/kg	417	417	275	300	66	72	53-120	9	33		
Benzo(b)fluoranthene	ug/kg	<0.021 mg/kg	417	417	278	310	67	74	43-120	11	43		
Benzo(g,h,i)perylene	ug/kg	<0.021 mg/kg	417	417	294	344	70	83	38-120	16	36		
Benzo(k)fluoranthene	ug/kg	<0.021 mg/kg	417	417	296	320	71	77	49-120	8	30		
Chrysene	ug/kg	<0.021 mg/kg	417	417	257	282	62	68	45-120	9	28		
Dibenz(a,h)anthracene	ug/kg	<0.021 mg/kg	417	417	276	311	66	75	41-120	12	33		
Fluoranthene	ug/kg	<0.021 mg/kg	417	417	266	315	64	76	50-120	17	43		
Fluorene	ug/kg	<0.021 mg/kg	417	417	271	295	65	71	47-120	8	27		
Indeno(1,2,3-cd)pyrene	ug/kg	<0.021 mg/kg	417	417	277	309	66	74	35-120	11	33		
Naphthalene	ug/kg	<0.021 mg/kg	417	417	252	274	60	65	42-120	9	26		
Phenanthrene	ug/kg	<0.021 mg/kg	417	417	274	297	65	71	45-120	8	24		
Pyrene	ug/kg	<0.021 mg/kg	417	417	260	267	62	64	42-120	3	41		
2-Fluorobiphenyl (S)	%						59	60	39-120				
Terphenyl-d14 (S)	%						61	62	36-120				

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

QC Batch: 470224

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: 40275991002

METHOD BLANK: 2693694

Matrix: Water

Associated Lab Samples: 40275991002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	03/28/24 12:02	
2-Methylnaphthalene	ug/L	<0.014	0.050	03/28/24 12:02	
Acenaphthene	ug/L	<0.014	0.050	03/28/24 12:02	
Acenaphthylene	ug/L	<0.013	0.050	03/28/24 12:02	
Anthracene	ug/L	<0.018	0.050	03/28/24 12:02	
Benzo(a)anthracene	ug/L	<0.014	0.050	03/28/24 12:02	
Benzo(a)pyrene	ug/L	<0.013	0.050	03/28/24 12:02	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	03/28/24 12:02	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	03/28/24 12:02	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	03/28/24 12:02	
Chrysene	ug/L	<0.013	0.050	03/28/24 12:02	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	03/28/24 12:02	
Fluoranthene	ug/L	<0.026	0.050	03/28/24 12:02	
Fluorene	ug/L	<0.024	0.050	03/28/24 12:02	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	03/28/24 12:02	
Naphthalene	ug/L	<0.020	0.050	03/28/24 12:02	
Phenanthrene	ug/L	<0.026	0.050	03/28/24 12:02	
Pyrene	ug/L	<0.023	0.050	03/28/24 12:02	
2-Fluorobiphenyl (S)	%	56	38-120	03/28/24 12:02	
Terphenyl-d14 (S)	%	58	47-121	03/28/24 12:02	

LABORATORY CONTROL SAMPLE: 2693695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.3	64	57-120	
2-Methylnaphthalene	ug/L	2	1.2	62	55-120	
Acenaphthene	ug/L	2	1.4	68	60-120	
Acenaphthylene	ug/L	2	1.4	72	58-120	
Anthracene	ug/L	2	1.6	78	58-120	
Benzo(a)anthracene	ug/L	2	1.7	83	51-120	
Benzo(a)pyrene	ug/L	2	1.6	81	59-120	
Benzo(b)fluoranthene	ug/L	2	1.7	85	52-120	
Benzo(g,h,i)perylene	ug/L	2	1.7	83	62-120	
Benzo(k)fluoranthene	ug/L	2	1.6	80	59-120	
Chrysene	ug/L	2	1.6	80	55-125	
Dibenz(a,h)anthracene	ug/L	2	1.5	76	60-120	
Fluoranthene	ug/L	2	1.6	82	62-120	
Fluorene	ug/L	2	1.4	71	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	81	62-120	

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QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

LABORATORY CONTROL SAMPLE: 2693695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.2	62	55-120	
Phenanthrene	ug/L	2	1.6	78	55-120	
Pyrene	ug/L	2	1.4	70	53-120	
2-Fluorobiphenyl (S)	%			62	38-120	
Terphenyl-d14 (S)	%			64	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2693701 2693702

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40275976003 Result	Spike Conc.	Spike Conc.	MS Result						
1-Methylnaphthalene	ug/L	<0.018	2	2	1.2	1.3	63	68	32-120	8	25
2-Methylnaphthalene	ug/L	<0.014	2	2	1.2	1.3	62	66	37-120	7	22
Acenaphthene	ug/L	<0.014	2	2	1.3	1.4	65	69	52-120	7	20
Acenaphthylene	ug/L	<0.013	2	2	1.3	1.4	65	69	49-120	7	20
Anthracene	ug/L	<0.019	2	2	1.4	1.4	70	73	45-120	5	25
Benzo(a)anthracene	ug/L	<0.014	2	2	1.4	1.4	71	71	31-120	0	25
Benzo(a)pyrene	ug/L	<0.013	2	2	1.4	1.4	69	70	38-120	1	24
Benzo(b)fluoranthene	ug/L	<0.0093	2	2	1.5	1.5	75	75	36-120	0	24
Benzo(g,h,i)perylene	ug/L	<0.024	2	2	1.5	1.5	74	76	43-120	4	23
Benzo(k)fluoranthene	ug/L	<0.023	2	2	1.4	1.5	73	75	46-120	4	21
Chrysene	ug/L	<0.013	2	2	1.4	1.5	73	75	39-143	3	23
Dibenz(a,h)anthracene	ug/L	<0.018	2	2	1.4	1.4	71	72	32-125	3	22
Fluoranthene	ug/L	<0.027	2	2	1.5	1.6	75	79	56-120	6	21
Fluorene	ug/L	<0.024	2	2	1.3	1.4	66	70	45-120	6	20
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	2	2	1.3	1.3	66	67	42-120	3	23
Naphthalene	ug/L	<0.020	2	2	1.3	1.4	64	69	50-120	8	23
Phenanthrene	ug/L	<0.026	2	2	1.4	1.5	72	76	47-120	7	21
Pyrene	ug/L	<0.023	2	2	1.3	1.4	65	68	47-120	5	23
2-Fluorobiphenyl (S)	%						63	65	38-120		
Terphenyl-d14 (S)	%						61	59	47-121		

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 BECHER ST

Pace Project No.: 40275991

QC Batch: 470245

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275991001

SAMPLE DUPLICATE: 2693785

Parameter	Units	40275927001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.3	6.1	2	10	

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

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QUALIFIERS

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

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 - The reported result is an estimated value.

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

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

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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: 470440

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

ANALYTE QUALIFIERS

1q Sample was subsampled

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690023383 BECHER ST

Pace Project No.: 40275991

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40275991001	B3 PIT SOIL	EPA 3541	470331	EPA 8082A	470342
40275991002	B3 PIT GW	EPA 3510	470420	EPA 8082A	470440
40275991001	B3 PIT SOIL	EPA 3050B	470179	EPA 6010D	470367
40275991002	B3 PIT GW	EPA 3010A	470298	EPA 6020B	470350
40275991002	B3 PIT GW	EPA 7470	470435	EPA 7470	470485
40275991001	B3 PIT SOIL	EPA 7471	470503	EPA 7471	470547
40275991001	B3 PIT SOIL	EPA 3546	470307	EPA 8270E by SIM	470359
40275991002	B3 PIT GW	EPA 3510	470224	EPA 8270E by SIM	470276
40275991001	B3 PIT SOIL	EPA 5035/5030B	470352	EPA 8260	470360
40275991002	B3 PIT GW	EPA 8260	470322		
40275991001	B3 PIT SOIL	ASTM D2974-87	470245		

REPORT OF LABORATORY ANALYSIS

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Effective Date: 8/16/2022

Client Name: Ramboll VS Consulting, Inc

Sample Preservation Receipt Form

Project # 40275991

All containers needing preservation have been checked and noted below

Yes No N/A

Initial when completed MJS Date/ Time:

Lab Lot# of pH paper 1020134

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

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

MJS
 03/27/2024

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	250mL amber glass unpres
						GN 2	

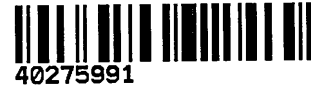
Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Ramboll US Consulting, Inc.

WO#: **40275991**

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 - 131 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Un/corr. 1.0 /Corr 0.5

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice

Person examining contents:
 Date: 03/27/2024 /Initials: MDS
 Labeled By Initials: SKW

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date/Time
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:	For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> , <u>Pace IR</u> , <u>Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11. <u>1.00 L 03/27/2024</u>
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W&S</u>		
Trip Blank Present.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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