



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

**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:

March 26, 2024

Ramboll Americas Engineering Solutions, Inc. (Ramboll) received the soil and groundwater analytical results from the collection of one soil (12-Pit [8-9]) and one groundwater (12 Pit [Bldg. 3]) sample collected on March 13 and 18, 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 locations are illustrated in **Figure 1**, and the laboratory reports are provided in **Attachment A**. A discussion of these results will be included in the forthcoming NR 716 supplemental site investigation report.

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

Phone: 414-837-3607
Fax: 414-837-3608
www.ramboll.com

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,

Maggie Sheckler
Senior Lead Consultant

D 262 901 3505
msheckler@ramboll.com

Richard Mazurkiewicz
Managing Consultant

D 262 901 3502
rmazurkiewicz@ramboll.com

Daniel W. Petersen, PhD, PG
Principal

D 312 288 3883
dpetersen@ramboll.com

c: Nick Orthmann, Bear Development, LLC

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 Reports

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 | Isopropyl-benzene (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 ^c | 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 | <15.2 | <12.0 | <14.9 | <16.1 | <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 |

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 | Isopropyl-benzene (Cumene) | n-Butyl-benzene | sec-Butyl-benzene | p-Isopropyl-toluene | n-Propyl-benzene | 1,2,4-Trimethyl-benzene | 1,3,5-Trimethyl-benzene | 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 ^c | <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 |
| 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 |

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 2
PAHs in Soil
Filer Stowell Property
147 East Becher Street, Milwaukee, Wisconsin
Ramboll Project 1690023383

| Sample ID | Date | PID (ppm tl VOCs) | Soil Type* | Acenaph-thene | Acenaph-thylene | Anthracene | Benzo(a)-anthracene | Benzo(a)-pyrene | Benzo(b)-fluoranthene | Benzo(g,h,i)-perylene | Benzo(k)-fluoranthene | Chrysene | Dibenz-(a,h)-anthracene | Fluoranthene | Fluorene | Indeno-(1,2,3-cd)-pyrene | 1-Methyl-naphthalene | 2-Methyl-naphthalene | Naphthalene | Phen-anthrene | Pyrene |
|----------------------------------|-----------|-------------------|--------------------------|-------------------|-----------------|--------------------|--------------------------|------------------------------|----------------------------|-----------------------|-----------------------|--------------------------|--------------------------|-------------------|-------------------|--------------------------|----------------------|----------------------|---------------|---------------|-------------------|
| SB-1 (1-2) | 9/20/2021 | 0.8 | Fill Sand | 23.4 | 8.2 J | 50.5 | 261 | 346^a | 479^c | 301 | 172 | 284^c | 75.6 | 481 | 15.8 J | 243 | 36 | 44 | 28 | 297 | 362 |
| SB-1 (6-7) | 9/20/2021 | 0.0 | Fill-Sand | 19.1 | 6.7 J | 17.5 | 56.6 | 70.3 | 103 | 67 | 33 | 64.4 | 15.5 J | 101 | 23 | 52.8 | 116 | 179 | 47 | 125 | 88 |
| SB-1 (13-14) | 9/20/2021 | 0.0 | Silty Clay | <2.5 | <2.4 | 2.4 J | <2.5 | 2.6 J | 4.5 J | 6.9 J | <2.5 | 12.8 J | <2.7 | 5.5 J | 2.4 J | <4.0 | <2.8 | <2.8 | <1.9 | 4.7 J | 5.9 J |
| SB-2 (1-2) | 9/20/2021 | 0.1 | Fill-Sand | 13.3 J | 7.1 J | 43.2 | 185 | 217^a | 340 | 141 | 101 | 196^c | 38.8 | 411 | 11.8 J | 127 | 12.2 J | 15.1 J | 14.2 J | 187 | 299 |
| SB-2 (5-6) | 9/20/2021 | 0.0 | Fill-Sand | 41.8 | 9.1 J | 79.9 | 159 | 144 | 192 | 94 | 58 | 161^c | 24.8 | 401 | 35 | 77.2 | 117 | 139 | 81 | 555 | 338 |
| SB-3 (1-2) | 9/20/2021 | 0.0 | Fill-Sand | 16.0 J | 28.2 J | 83.3 | 321 | 346^a | 532^c | 213 | 185 | 347^c | 66.5 | 697 | 14.5 J | 191 | 44 | 58 | 57 | 328 | 501 |
| SB-3 (5-6) | 9/20/2021 | 0.0 | Fill-Sand | 8.6 J | 12.4 J | 31.7 | 105 | 115 | 171 | 101 | 55 | 116 | 25.9 | 201 | 8.4 J | 75.6 | 54 | 72 | 46 | 160 | 171 |
| SB-4 (1-2) | 9/20/2021 | 0.0 | Fill-Sand | 18.1 | 43 | 94.6 | 249 | 266^a | 487^c | 183 | 120 | 301^c | 56.2 | 560 | 15.6 J | 155 | 82 | 117 | 89 | 411 | 431 |
| SB-4 (4-5) | 9/20/2021 | 0.0 | Fill-Sandy, Clayey Silt | <2.5 | <2.4 | <2.3 | 4.1 J | 2.5 J | 4.3 J | <3.3 | <2.4 | 4.0 J | <2.6 | 5.7 J | <2.3 | <3.9 | <2.8 | <2.8 | <1.8 | 5.1 J | 4.5 J |
| SB-5 (1-2) | 9/20/2021 | 0.0 | Fill-Sand | 158 J | 58.7 J | 516 | 1,280^a | 1,170^{a,c} | 1,680^{a,c} | 666 | 606 | 1,400^c | 202 J^a | 3,480 | 180 J | 603 | 89.2 J | 104 J | 153 J | 2,580 | 2,300 |
| SB-5 (12-13) | 9/20/2021 | 0.0 | Fill-Silty Sand | <2.4 | <2.3 | 6.7 J | 9.1 J | 5.6 J | 7.3 J | 3.8 J | 3.2 J | 8.7 J | <2.6 | 19 | <2.2 | <3.9 | <2.7 | <2.7 | <1.8 | 19 | 13.8 J |
| SB-6 (2-3) | 9/20/2021 | 9.5 | Peat | 158 J | <118 | 465 J | 4,500^a | 3,990^{a,b,c} | 8,080^{a,c} | 3,340 | 2,220 | 6,530^c | 1,020^a | 7,910 | <112 | 2,700^a | <136 | 142 J | 295 J | 2,170 | 5,560 |
| SB-6 (4-5) | 9/20/2021 | 10.8 | Silty Clay | 43.4 J | <26.1 | 158 J | 1,240 | 1,310^c | 2,580^c | 863 | 780 | 1,580^c | 298 | 2,020 | 31.3 J | 756 | 131 J | 154 J | 181 J | 754 | 1,610 |
| SB-6 (11-12) | 9/20/2021 | 1.0 | Silty Sand w/ sml shells | <3.0 | <2.9 | <2.8 | <3.0 | <2.6 | <3.2 | <4.0 | <2.9 | <4.3 | <3.2 | 7.6 J | <2.7 | <4.8 | <3.3 | <3.3 | <2.2 | 7.3 J | 5.7 J |
| SB-7 (1-2) | 9/20/2021 | 0.2 | Fill-Sand | <51.0 | 69.3 J | 254 J | 938 | 838^{a,c} | 1,620^{a,c} | 628 | 504 | 1,120^c | 221 J^a | 1,790 | 51.7 J | 560 | 530 | 650 | 518 | 1,380 | 1,290 |
| SB-7 (4-5) | 9/20/2021 | 1.8 | Fill-Clay & Silt | 7.2 J | 11.1 J | 50.5 | 113 | 78.7 | 137 | 72 | 26 | 218^c | 23.0 | 173.0 | 15.3 J | 43.5 | 291 | 445 | 238 | 402 | 140 |
| SB-8 (2-3) | 9/20/2021 | 10.3 | Fill-Sand | 44.9 J | 21.8 J | 106 | 724 | 945^{a,c} | 1,520^{a,c} | 580 | 477 | 894^c | 193^a | 1,290 | 33.7 J | 509 | 129 | 168 | 162 | 561 | 1,010 |
| SB-8 (4-5) | 9/20/2021 | 87.6 | Fill-Sand | 19.1 | 6.7 J | 18 | 57 | 29.2 J | 103 | 67 | 33 | 64.4 | 15.5 J | 101 | 23 | 52.8 | 116 | 179 | 159 | 125 | 88 |
| SB-8 (14-15) | 9/20/2021 | 0.0 | Silt | <3.0 | <2.9 | <2.9 | <3.0 | <2.6 | <3.2 | <4.1 | <3.0 | <4.4 | <3.2 | <2.8 | <2.8 | <4.9 | <3.4 | <3.4 | <2.3 | <2.7 | <3.4 |
| SB-9 (1-2) | 9/20/2021 | 6.6 | Fill-Sand | 76.1 J | 28.0 J | 215 | 957 | 1,110^{a,c} | 1,610^{a,c} | 698 | 557 | 1,160^c | 216^a | 2,270 | 59.8 J | 596 | 110 J | 127 J | 148 J | 1,510 | 1,820 |
| SB-9 (4-5) | 9/20/2021 | 0.2 | Fill-Sand | 52.7 | 17.5 J | 83.6 | 181 | 166 | 227 | 113 | 52.3 | 240^c | 45.9 | 194 | 98.3 | 76.7 | 187 | 297 | 152 | 493 | 175 |
| SB-10 (1-2) | 9/21/2021 | 0.0 | Fill-Sand | <2.4 | <2.4 | <2.3 | 6.7 J | 5.3 J | 7.2 J | 5.2 J | 3.2 J | 7.0 J | <2.6 | 9.3 J | <2.2 | <3.9 | 3.1 J | 3.9 J | 2.9 J | 10.7 J | 9.5 J |
| SB-10 (4-5) | 9/21/2021 | 0.0 | Fill-Sand | <2.4 | <2.3 | <2.3 | <2.4 | <2.1 | <2.6 | <3.3 | <2.4 | <3.5 | <2.6 | 2.3 J | <2.2 | <3.9 | <2.7 | <2.7 | <1.8 | 2.7 J | <2.7 |
| SB-11 (1-2) | 9/21/2021 | 0.0 | Fill-Sand | 65.1 J | 27.4 J | 108 | 399 | 400^a | 606^a | 287 | 238 | 573 | 88.3 | 629 | 29.5 J | 234 | 751 | 851 | 534 | 905 | 682 |
| SB-11 (5-6) | 9/21/2021 | 0.0 | Fill-Silty Sand | <2.6 | <2.5 | <2.5 | <2.6 | <2.3 | <2.8 | <3.5 | <2.6 | <3.8 | <2.8 | <2.4 | <2.4 | <4.2 | <2.9 | <2.9 | <2.0 | <2.3 | <3.0 |
| SB-12 (1-2) | 9/21/2021 | 0.0 | Fill-Silty sand | 7.2 J | 7.9 J | 31 | 90.0 | 77.6 | 117 | 58 | 28 | 127 | 14.9 J | 142 | 4.9 J | 41.4 | 176 | 204 | 130 | 307 | 139 |
| SB-12 (4-5) | 9/21/2021 | 0.1 | Fill-Sand | <2.3 | <2.3 | <2.2 | 5.2 J | 2.8 J | 4.6 J | 3.4 J | <2.3 | 3.8 J | <2.5 | 4.7 J | <2.2 | <3.7 | 2.7 J | 2.9 J | 2.2 J | 6.8 J | 4.4 J |
| SB-13 (1-2) | 9/21/2021 | 0.0 | Fill-Sand | 91.3 J | 130 J | 159 J | 941 | 932^{a,c} | 1,660^{a,c} | 796 | 717 | 1,340^c | 243 J^a | 1,490 | 48.2 J | 649 | 1,000 | 1,170 | 781 | 1,220 | 1,280 |
| SB-13 (5-6) | 9/21/2021 | 0.0 | Fill-Sand | <2.6 | <2.5 | 4.9 J | 10.6 J | 7.0 J | 10.5 J | 5.1 J | 3.1 J | 18.2 J | <2.7 | 21 | <2.4 | <4.1 | 53 | 57 | 50 | 54 | 15.7 J |
| TW-14 (2-3) | 1/25/2022 | 0.5 | Fill-Sand | 80.7 J | <24.1 | 163 J | 935 | 961^{a,c} | 1,580^{a,c} | 788 | 552 | 1,290^c | 241^a | 1,760 | 33.2 J | 596 | 442 | 486 | 381 | 805 | 1,420 |
| TW-14 (4-5) | 1/25/2022 | 0.2 | Fill-Sand | 193 J | <48.2 | 541 | 3,770^a | 3,860^{a,c} | 5,090^{a,c} | 2,400 | 2,290 | 4,890^c | 916^a | 6,170 | 74.7 J | 1,990^a | 110 J | 102 J | 87.2 J | 2,230 | 5,040 |
| 12-PIT (8-9) | 3/13/2024 | 0.5 | Fill-Sand | <2.5 | <2.4 | <2.4 | 3.1 J | <2.2 | <2.6 | <3.3 | <2.4 | <3.6 | <2.6 | 4.9 J | <2.3 | <4.0 | <2.8 | <2.8 | <1.8 | 3.8 J | 3.7 J |
| Direct Contact ¹ | | | | 3,590,000 | NS | 17,900,000 | 1,140 | 115 | 1,150 | NS | 11,500 | 115,000 | 115 | 2,390,000 | 2,390,000 | 1,150 | 17,600 | 239,000 | 5,520 | NS | 1,790,000 |
| Industrial ^b | | | | 45,200,000 | NS | 100,000,000 | 20,800 | 2,110 | 21,100 | NS | 211,000 | 2,110,000 | 2,110 | 30,100,000 | 30,100,000 | 21,100 | 72,700 | 3,010,000 | 24,100 | NS | 22,600,000 |
| Groundwater Pathway ^c | | | | NS | NS | 196,949 | NS | 470 | 478 | NS | NS | 144.2 | NS | 88,877.8 | 14,829.9 | NS | NS | NS | 658.2 | NS | 54,545 |

Notes:

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

bgs - Below ground surface.

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

PID = Photoionization Detector.

ppm tl VOCs = Parts per million total volatile organic compounds.

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

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

Bold value = NR 720 RCL Exceedance.

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).

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).

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 ^a | <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 ^a | 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 ^f | 15.8 | <0.14 | 9.1 | 8.4 | 29.2 J ^f | <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^f | <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^f | <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^f | <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 |
| 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 | 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.

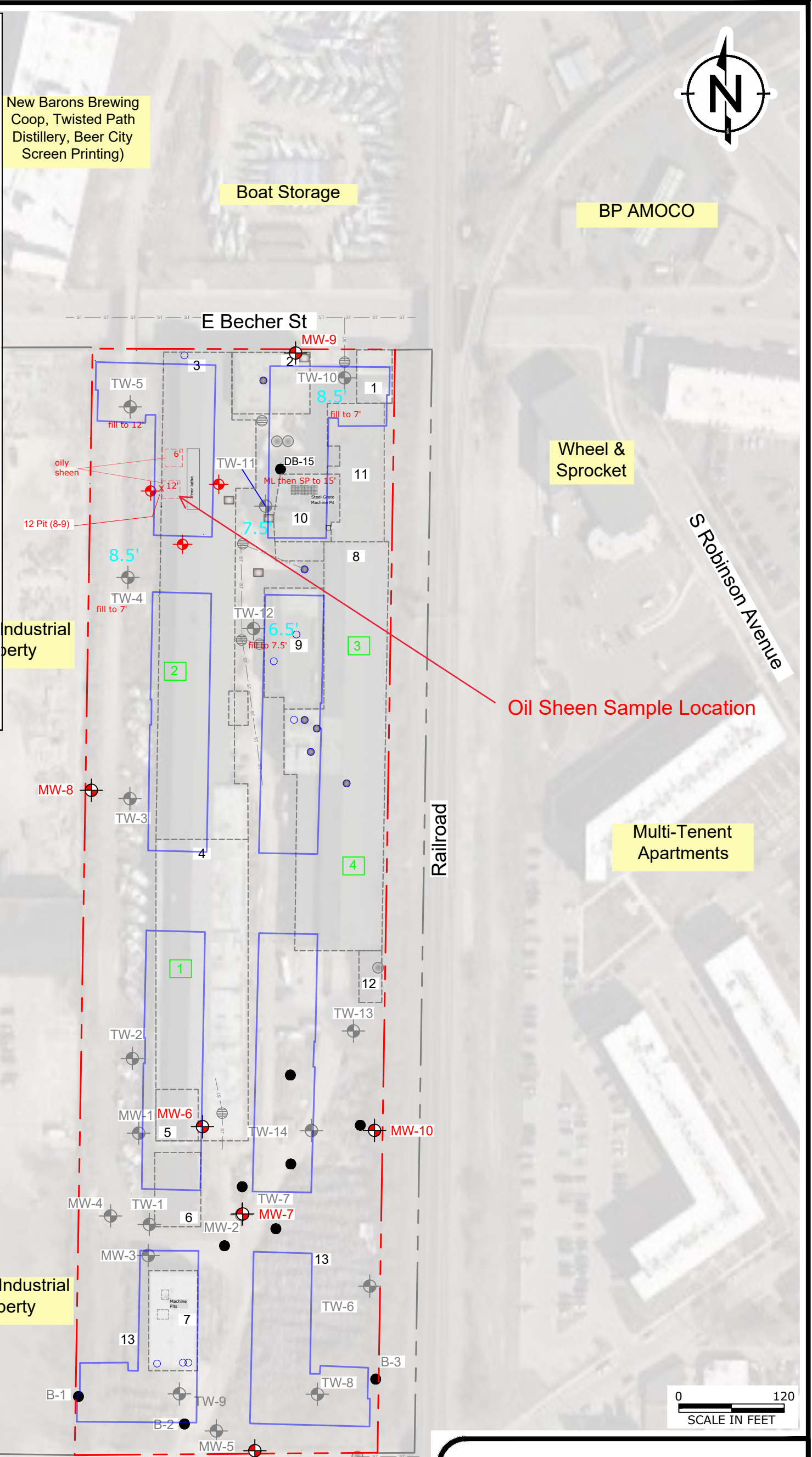
NS - No established standard.

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
- TW-1 BORING/ABANDONED TEMPORARY MONITORING WELL LOCATION
- MW-1 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



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

Boat Storage

BP AMOCO

Wheel & Sprocket

S Robinson Avenue

Oil Sheen Sample Location

Multi-Tenant Apartments

Railroad

S 1st Street

Staffing Partners

Former Industrial Property

Kinnickinnic River

W Lincoln Avenue

MKE Urban Stables



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 |

SAMPLE LOCATION MAP

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

FIGURE
1

DRAFTED BY: RPM
DATE: 03/25/2024
PROJECT: 1690023383

Attachment A



March 22, 2024

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

RE: Project: 1690023383 BECHER ST
Pace Project No.: 40275594

Dear Richard Mazurkiewicz:

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CERTIFICATIONS

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: 1690023383 BECHER ST
Pace Project No.: 40275594

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------|--------|----------------|----------------|
| 40275594001 | 12 PIT | Water | 03/13/24 14:00 | 03/16/24 08:45 |
| 40275594002 | 12 PIT 8-9 | Solid | 03/13/24 14:15 | 03/16/24 08:45 |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------|------------------|----------|-------------------|
| 40275594001 | 12 PIT | EPA 8082A | BLM | 10 |
| | | EPA 8270E by SIM | TPO | 20 |
| 40275594002 | 12 PIT 8-9 | EPA 8260 | NB | 65 |
| | | 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 | MYH | 1 |

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

Sample: 12 PIT Lab ID: 40275594001 Collected: 03/13/24 14:00 Received: 03/16/24 08:45 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 | 03/18/24 09:27 | 03/18/24 21:38 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | <0.11 | ug/L | 0.50 | 0.11 | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | <0.11 | ug/L | 0.50 | 0.11 | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | <0.11 | ug/L | 0.50 | 0.11 | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | <0.11 | ug/L | 0.50 | 0.11 | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | <0.11 | ug/L | 0.50 | 0.11 | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | <0.11 | ug/L | 0.50 | 0.11 | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 11096-82-5 | |
| PCB, Total | <0.11 | ug/L | 0.50 | 0.11 | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 1336-36-3 | |
| Surrogates | | | | | | | | | |
| Decachlorobiphenyl (S) | 59 | % | 10-132 | | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 2051-24-3 | |
| Tetrachloro-m-xylene (S) | 92 | % | 41-120 | | 1 | 03/18/24 09:27 | 03/18/24 21:38 | 877-09-8 | |
| 8270E MSSV PAH | | | | | | | | | |
| Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Acenaphthene | <0.10 | ug/L | 0.36 | 0.10 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 83-32-9 | |
| Acenaphthylene | <0.090 | ug/L | 0.36 | 0.090 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 208-96-8 | |
| Anthracene | <0.13 | ug/L | 0.36 | 0.13 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 120-12-7 | |
| Benzo(a)anthracene | 0.84 | ug/L | 0.36 | 0.097 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 56-55-3 | |
| Benzo(a)pyrene | 0.60 | ug/L | 0.36 | 0.091 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 50-32-8 | |
| Benzo(b)fluoranthene | 0.56 | ug/L | 0.36 | 0.065 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 205-99-2 | |
| Benzo(g,h,i)perylene | <0.17 | ug/L | 0.36 | 0.17 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 191-24-2 | |
| Benzo(k)fluoranthene | <0.16 | ug/L | 0.36 | 0.16 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 207-08-9 | |
| Chrysene | 1.7 | ug/L | 0.36 | 0.090 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 218-01-9 | |
| Dibenz(a,h)anthracene | 0.15J | ug/L | 0.36 | 0.13 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 53-70-3 | |
| Fluoranthene | 0.69 | ug/L | 0.36 | 0.19 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 206-44-0 | |
| Fluorene | <0.17 | ug/L | 0.36 | 0.17 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | 0.16J | ug/L | 0.36 | 0.11 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 193-39-5 | |
| 1-Methylnaphthalene | <0.13 | ug/L | 0.36 | 0.13 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 90-12-0 | |
| 2-Methylnaphthalene | <0.099 | ug/L | 0.36 | 0.099 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 91-57-6 | |
| Naphthalene | <0.14 | ug/L | 0.36 | 0.14 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 91-20-3 | |
| Phenanthrene | 0.88 | ug/L | 0.36 | 0.18 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 85-01-8 | |
| Pyrene | 1.4 | ug/L | 0.36 | 0.16 | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 129-00-0 | |
| Surrogates | | | | | | | | | |
| 2-Fluorobiphenyl (S) | 46 | % | 38-120 | | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 321-60-8 | |
| Terphenyl-d14 (S) | 59 | % | 47-121 | | 8 | 03/20/24 07:46 | 03/21/24 21:19 | 1718-51-0 | |
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Benzene | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 03/22/24 11:43 | 71-43-2 | |
| Bromobenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 03/22/24 11:43 | 108-86-1 | |
| Bromochloromethane | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 03/22/24 11:43 | 74-97-5 | |
| Bromodichloromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 03/22/24 11:43 | 75-27-4 | |
| Bromoform | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 03/22/24 11:43 | 75-25-2 | |
| Bromomethane | <1.2 | ug/L | 5.0 | 1.2 | 1 | | 03/22/24 11:43 | 74-83-9 | |
| n-Butylbenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 03/22/24 11:43 | 104-51-8 | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

Sample: 12 PIT Lab ID: 40275594001 Collected: 03/13/24 14:00 Received: 03/16/24 08:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|-----|------|----|----------|----------------|------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| sec-Butylbenzene | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 03/22/24 11:43 | 135-98-8 | |
| tert-Butylbenzene | <0.59 | ug/L | 1.0 | 0.59 | 1 | | 03/22/24 11:43 | 98-06-6 | |
| Carbon tetrachloride | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 03/22/24 11:43 | 56-23-5 | |
| Chlorobenzene | <0.86 | ug/L | 1.0 | 0.86 | 1 | | 03/22/24 11:43 | 108-90-7 | |
| Chloroethane | <1.4 | ug/L | 5.0 | 1.4 | 1 | | 03/22/24 11:43 | 75-00-3 | |
| Chloroform | <0.50 | ug/L | 5.0 | 0.50 | 1 | | 03/22/24 11:43 | 67-66-3 | |
| Chloromethane | <1.6 | ug/L | 5.0 | 1.6 | 1 | | 03/22/24 11:43 | 74-87-3 | |
| 2-Chlorotoluene | <0.89 | ug/L | 5.0 | 0.89 | 1 | | 03/22/24 11:43 | 95-49-8 | |
| 4-Chlorotoluene | <0.89 | ug/L | 5.0 | 0.89 | 1 | | 03/22/24 11:43 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 03/22/24 11:43 | 96-12-8 | |
| Dibromochloromethane | <2.6 | ug/L | 5.0 | 2.6 | 1 | | 03/22/24 11:43 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.31 | ug/L | 1.0 | 0.31 | 1 | | 03/22/24 11:43 | 106-93-4 | |
| Dibromomethane | <0.99 | ug/L | 5.0 | 0.99 | 1 | | 03/22/24 11:43 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 03/22/24 11:43 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 03/22/24 11:43 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.89 | ug/L | 1.0 | 0.89 | 1 | | 03/22/24 11:43 | 106-46-7 | |
| Dichlorodifluoromethane | <0.46 | ug/L | 5.0 | 0.46 | 1 | | 03/22/24 11:43 | 75-71-8 | |
| 1,1-Dichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 03/22/24 11:43 | 75-34-3 | |
| 1,2-Dichloroethane | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 03/22/24 11:43 | 107-06-2 | |
| 1,1-Dichloroethene | <0.58 | ug/L | 1.0 | 0.58 | 1 | | 03/22/24 11:43 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.47 | ug/L | 1.0 | 0.47 | 1 | | 03/22/24 11:43 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.53 | ug/L | 1.0 | 0.53 | 1 | | 03/22/24 11:43 | 156-60-5 | |
| 1,2-Dichloropropane | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 03/22/24 11:43 | 78-87-5 | |
| 1,3-Dichloropropane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 03/22/24 11:43 | 142-28-9 | |
| 2,2-Dichloropropane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 03/22/24 11:43 | 594-20-7 | |
| 1,1-Dichloropropene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 03/22/24 11:43 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 03/22/24 11:43 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.27 | ug/L | 1.0 | 0.27 | 1 | | 03/22/24 11:43 | 10061-02-6 | |
| Diisopropyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 03/22/24 11:43 | 108-20-3 | |
| Ethylbenzene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 03/22/24 11:43 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.7 | ug/L | 5.0 | 2.7 | 1 | | 03/22/24 11:43 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 03/22/24 11:43 | 98-82-8 | |
| p-Isopropyltoluene | 1.5J | ug/L | 5.0 | 1.0 | 1 | | 03/22/24 11:43 | 99-87-6 | |
| Methylene Chloride | <0.32 | ug/L | 5.0 | 0.32 | 1 | | 03/22/24 11:43 | 75-09-2 | |
| Methyl-tert-butyl ether | <1.1 | ug/L | 5.0 | 1.1 | 1 | | 03/22/24 11:43 | 1634-04-4 | |
| Naphthalene | <1.9 | ug/L | 5.0 | 1.9 | 1 | | 03/22/24 11:43 | 91-20-3 | |
| n-Propylbenzene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 03/22/24 11:43 | 103-65-1 | |
| Styrene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 03/22/24 11:43 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 03/22/24 11:43 | 630-20-6 | |
| 1,1,1,2,2-Tetrachloroethane | <0.38 | ug/L | 1.0 | 0.38 | 1 | | 03/22/24 11:43 | 79-34-5 | |
| Tetrachloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 03/22/24 11:43 | 127-18-4 | |
| Toluene | <0.29 | ug/L | 1.0 | 0.29 | 1 | | 03/22/24 11:43 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <1.0 | ug/L | 5.0 | 1.0 | 1 | | 03/22/24 11:43 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.95 | ug/L | 5.0 | 0.95 | 1 | | 03/22/24 11:43 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.30 | ug/L | 1.0 | 0.30 | 1 | | 03/22/24 11:43 | 71-55-6 | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

Sample: 12 PIT Lab ID: 40275594001 Collected: 03/13/24 14:00 Received: 03/16/24 08:45 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------------|---------|-------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | | | | | | | | | |
| Analytical Method: EPA 8260 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| 1,1,2-Trichloroethane | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 03/22/24 11:43 | 79-00-5 | |
| Trichloroethene | <0.32 | ug/L | 1.0 | 0.32 | 1 | | 03/22/24 11:43 | 79-01-6 | |
| Trichlorofluoromethane | <0.42 | ug/L | 1.0 | 0.42 | 1 | | 03/22/24 11:43 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.56 | ug/L | 1.0 | 0.56 | 1 | | 03/22/24 11:43 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.45 | ug/L | 1.0 | 0.45 | 1 | | 03/22/24 11:43 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.36 | ug/L | 1.0 | 0.36 | 1 | | 03/22/24 11:43 | 108-67-8 | |
| Vinyl chloride | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 03/22/24 11:43 | 75-01-4 | |
| Xylene (Total) | <1.0 | ug/L | 3.0 | 1.0 | 1 | | 03/22/24 11:43 | 1330-20-7 | |
| m&p-Xylene | <0.70 | ug/L | 2.0 | 0.70 | 1 | | 03/22/24 11:43 | 179601-23-1 | |
| o-Xylene | <0.35 | ug/L | 1.0 | 0.35 | 1 | | 03/22/24 11:43 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 03/22/24 11:43 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 98 | % | 70-130 | | 1 | | 03/22/24 11:43 | 2199-69-1 | |
| Toluene-d8 (S) | 104 | % | 70-130 | | 1 | | 03/22/24 11:43 | 2037-26-5 | HS |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

Sample: 12 PIT 8-9 Lab ID: 40275594002 Collected: 03/13/24 14:15 Received: 03/16/24 08:45 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) | <17.4 | ug/kg | 57.0 | 17.4 | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | <17.4 | ug/kg | 57.0 | 17.4 | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | <17.4 | ug/kg | 57.0 | 17.4 | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | <17.4 | ug/kg | 57.0 | 17.4 | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | <17.4 | ug/kg | 57.0 | 17.4 | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | <17.4 | ug/kg | 57.0 | 17.4 | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | <17.4 | ug/kg | 57.0 | 17.4 | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 11096-82-5 | |
| PCB, Total | <17.4 | ug/kg | 57.0 | 17.4 | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 1336-36-3 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 100 | % | 44-120 | | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 877-09-8 | |
| Decachlorobiphenyl (S) | 93 | % | 34-120 | | 1 | 03/19/24 11:16 | 03/19/24 18:27 | 2051-24-3 | |
| 6010D MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3050B | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Arsenic | 4.5 | mg/kg | 2.8 | 1.6 | 1 | 03/19/24 05:38 | 03/19/24 15:53 | 7440-38-2 | |
| Barium | 29.0 | mg/kg | 0.56 | 0.17 | 1 | 03/19/24 05:38 | 03/19/24 15:53 | 7440-39-3 | |
| Cadmium | 0.18J | mg/kg | 0.56 | 0.15 | 1 | 03/19/24 05:38 | 03/19/24 15:53 | 7440-43-9 | |
| Chromium | 14.0 | mg/kg | 1.1 | 0.31 | 1 | 03/19/24 05:38 | 03/19/24 15:53 | 7440-47-3 | |
| Lead | 10.8 | mg/kg | 2.2 | 0.67 | 1 | 03/19/24 05:38 | 03/19/24 15:53 | 7439-92-1 | |
| Selenium | <1.5 | mg/kg | 4.5 | 1.5 | 1 | 03/19/24 05:38 | 03/19/24 15:53 | 7782-49-2 | |
| Silver | <0.35 | mg/kg | 1.1 | 0.35 | 1 | 03/19/24 05:38 | 03/19/24 15:53 | 7440-22-4 | |
| 7471 Mercury | | | | | | | | | |
| Analytical Method: EPA 7471 Preparation Method: EPA 7471 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Mercury | <0.011 | mg/kg | 0.040 | 0.011 | 1 | 03/20/24 13:51 | 03/21/24 13:13 | 7439-97-6 | 1q,M0 |
| 8270E MSSV PAH by SIM | | | | | | | | | |
| Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Acenaphthene | <2.5 | ug/kg | 19.0 | 2.5 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 83-32-9 | |
| Acenaphthylene | <2.4 | ug/kg | 19.0 | 2.4 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 208-96-8 | |
| Anthracene | <2.4 | ug/kg | 19.0 | 2.4 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 120-12-7 | |
| Benzo(a)anthracene | 3.1J | ug/kg | 19.0 | 2.5 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 56-55-3 | |
| Benzo(a)pyrene | <2.2 | ug/kg | 19.0 | 2.2 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 50-32-8 | |
| Benzo(b)fluoranthene | <2.6 | ug/kg | 19.0 | 2.6 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 205-99-2 | |
| Benzo(g,h,i)perylene | <3.3 | ug/kg | 19.0 | 3.3 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 191-24-2 | |
| Benzo(k)fluoranthene | <2.4 | ug/kg | 19.0 | 2.4 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 207-08-9 | |
| Chrysene | <3.6 | ug/kg | 19.0 | 3.6 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 218-01-9 | |
| Dibenz(a,h)anthracene | <2.6 | ug/kg | 19.0 | 2.6 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 53-70-3 | |
| Fluoranthene | 4.9J | ug/kg | 19.0 | 2.2 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 206-44-0 | |
| Fluorene | <2.3 | ug/kg | 19.0 | 2.3 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <4.0 | ug/kg | 19.0 | 4.0 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 193-39-5 | |
| 1-Methylnaphthalene | <2.8 | ug/kg | 19.0 | 2.8 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 90-12-0 | |
| 2-Methylnaphthalene | <2.8 | ug/kg | 19.0 | 2.8 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 91-57-6 | |
| Naphthalene | <1.8 | ug/kg | 19.0 | 1.8 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 91-20-3 | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

Sample: 12 PIT 8-9 Lab ID: 40275594002 Collected: 03/13/24 14:15 Received: 03/16/24 08:45 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 | 3.8J | ug/kg | 19.0 | 2.2 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 85-01-8 | |
| Pyrene | 3.7J | ug/kg | 19.0 | 2.8 | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 129-00-0 | |
| Surrogates | | | | | | | | | |
| 2-Fluorobiphenyl (S) | 63 | % | 39-120 | | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 321-60-8 | |
| Terphenyl-d14 (S) | 70 | % | 36-120 | | 1 | 03/19/24 08:10 | 03/19/24 19:57 | 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 | <15.3 | ug/kg | 63.6 | 15.3 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 630-20-6 | |
| 1,1,1-Trichloroethane | <16.3 | ug/kg | 63.6 | 16.3 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | <23.0 | ug/kg | 63.6 | 23.0 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 79-34-5 | |
| 1,1,2-Trichloroethane | <23.2 | ug/kg | 63.6 | 23.2 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 79-00-5 | |
| 1,1-Dichloroethane | <16.3 | ug/kg | 63.6 | 16.3 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-34-3 | |
| 1,1-Dichloroethene | <21.1 | ug/kg | 63.6 | 21.1 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-35-4 | |
| 1,1-Dichloropropene | <20.6 | ug/kg | 63.6 | 20.6 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | <70.9 | ug/kg | 318 | 70.9 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 87-61-6 | |
| 1,2,3-Trichloropropane | <30.9 | ug/kg | 63.6 | 30.9 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 96-18-4 | |
| 1,2,4-Trichlorobenzene | <52.4 | ug/kg | 318 | 52.4 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | <19.0 | ug/kg | 63.6 | 19.0 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | <49.4 | ug/kg | 318 | 49.4 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | <17.4 | ug/kg | 63.6 | 17.4 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 106-93-4 | |
| 1,2-Dichlorobenzene | <19.7 | ug/kg | 63.6 | 19.7 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 95-50-1 | |
| 1,2-Dichloroethane | <14.6 | ug/kg | 63.6 | 14.6 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 107-06-2 | |
| 1,2-Dichloropropane | <15.1 | ug/kg | 63.6 | 15.1 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | <20.5 | ug/kg | 63.6 | 20.5 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 108-67-8 | |
| 1,3-Dichlorobenzene | <17.4 | ug/kg | 63.6 | 17.4 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 541-73-1 | |
| 1,3-Dichloropropane | <13.9 | ug/kg | 63.6 | 13.9 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 142-28-9 | |
| 1,4-Dichlorobenzene | <17.4 | ug/kg | 63.6 | 17.4 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 106-46-7 | |
| 2,2-Dichloropropane | <17.2 | ug/kg | 63.6 | 17.2 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 594-20-7 | |
| 2-Chlorotoluene | <20.6 | ug/kg | 63.6 | 20.6 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 95-49-8 | |
| 4-Chlorotoluene | <24.2 | ug/kg | 63.6 | 24.2 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 106-43-4 | |
| Benzene | <15.1 | ug/kg | 25.4 | 15.1 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 71-43-2 | |
| Bromobenzene | <24.8 | ug/kg | 63.6 | 24.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 108-86-1 | |
| Bromochloromethane | <17.4 | ug/kg | 63.6 | 17.4 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 74-97-5 | |
| Bromodichloromethane | <15.1 | ug/kg | 63.6 | 15.1 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-27-4 | |
| Bromoform | <280 | ug/kg | 318 | 280 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-25-2 | |
| Bromomethane | <89.2 | ug/kg | 318 | 89.2 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 74-83-9 | |
| Carbon tetrachloride | <14.0 | ug/kg | 63.6 | 14.0 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 56-23-5 | |
| Chlorobenzene | <7.6 | ug/kg | 63.6 | 7.6 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 108-90-7 | |
| Chloroethane | <26.8 | ug/kg | 318 | 26.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-00-3 | |
| Chloroform | <45.5 | ug/kg | 318 | 45.5 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 67-66-3 | |
| Chloromethane | <24.2 | ug/kg | 63.6 | 24.2 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 74-87-3 | |
| Dibromochloromethane | <21.7 | ug/kg | 318 | 21.7 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 124-48-1 | |
| Dibromomethane | <18.8 | ug/kg | 63.6 | 18.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 74-95-3 | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

Sample: 12 PIT 8-9 Lab ID: 40275594002 Collected: 03/13/24 14:15 Received: 03/16/24 08:45 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 | <27.4 | ug/kg | 63.6 | 27.4 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-71-8 | |
| Diisopropyl ether | <15.8 | ug/kg | 63.6 | 15.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 108-20-3 | |
| Ethylbenzene | <15.1 | ug/kg | 63.6 | 15.1 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <126 | ug/kg | 318 | 126 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <17.2 | ug/kg | 63.6 | 17.2 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 98-82-8 | |
| Methyl-tert-butyl ether | <18.7 | ug/kg | 63.6 | 18.7 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 1634-04-4 | |
| Methylene Chloride | <17.7 | ug/kg | 63.6 | 17.7 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-09-2 | |
| Naphthalene | <26.8 | ug/kg | 318 | 26.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 91-20-3 | |
| Styrene | <16.3 | ug/kg | 63.6 | 16.3 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 100-42-5 | |
| Tetrachloroethene | <24.7 | ug/kg | 63.6 | 24.7 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 127-18-4 | |
| Toluene | <16.0 | ug/kg | 63.6 | 16.0 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 108-88-3 | |
| Trichloroethene | <23.8 | ug/kg | 63.6 | 23.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 79-01-6 | |
| Trichlorofluoromethane | <18.4 | ug/kg | 63.6 | 18.4 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-69-4 | |
| Vinyl chloride | <12.8 | ug/kg | 63.6 | 12.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 75-01-4 | |
| Xylene (Total) | <45.9 | ug/kg | 191 | 45.9 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 1330-20-7 | |
| cis-1,2-Dichloroethene | <13.6 | ug/kg | 63.6 | 13.6 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 156-59-2 | |
| cis-1,3-Dichloropropene | <42.0 | ug/kg | 318 | 42.0 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 10061-01-5 | |
| m&p-Xylene | <26.8 | ug/kg | 127 | 26.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 179601-23-1 | |
| n-Butylbenzene | <29.1 | ug/kg | 63.6 | 29.1 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 104-51-8 | |
| n-Propylbenzene | <15.3 | ug/kg | 63.6 | 15.3 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 103-65-1 | |
| o-Xylene | <19.1 | ug/kg | 63.6 | 19.1 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 95-47-6 | |
| p-Isopropyltoluene | <21.6 | ug/kg | 63.6 | 21.6 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 99-87-6 | |
| sec-Butylbenzene | <21.8 | ug/kg | 63.6 | 21.8 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 135-98-8 | |
| tert-Butylbenzene | <20.0 | ug/kg | 63.6 | 20.0 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 98-06-6 | |
| trans-1,2-Dichloroethene | <13.9 | ug/kg | 63.6 | 13.9 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 156-60-5 | |
| trans-1,3-Dichloropropene | <182 | ug/kg | 318 | 182 | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 10061-02-6 | |
| Surrogates | | | | | | | | | |
| Toluene-d8 (S) | 131 | % | 70-139 | | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 130 | % | 72-142 | | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 129 | % | 67-144 | | 1 | 03/19/24 09:30 | 03/20/24 13:01 | 2199-69-1 | |
| Percent Moisture | | | | | | | | | |
| Analytical Method: ASTM D2974-87 | | | | | | | | | |
| Pace Analytical Services - Green Bay | | | | | | | | | |
| Percent Moisture | 12.0 | % | 0.10 | 0.10 | 1 | | 03/18/24 13:54 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

| | |
|---------------------------|--|
| QC Batch: 469663 | Analysis Method: EPA 7471 |
| QC Batch Method: EPA 7471 | Analysis Description: 7471 Mercury |
| | Laboratory: Pace Analytical Services - Green Bay |

Associated Lab Samples: 40275594002

METHOD BLANK: 2690811 Matrix: Solid

Associated Lab Samples: 40275594002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Mercury | mg/kg | <0.010 | 0.035 | 03/21/24 13:08 | |

LABORATORY CONTROL SAMPLE: 2690812

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/kg | 0.83 | 0.93 | 112 | 85-115 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2690813 2690814

| Parameter | Units | 2690813 | | 2690814 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Mercury | mg/kg | <0.011 | 0.93 | 1.1 | 1.1 | 116 | 112 | 85-115 | 3 | 20 | M0 |

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

QC Batch: 469274

Analysis Method: EPA 6010D

QC Batch Method: EPA 3050B

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275594002

METHOD BLANK: 2688667

Matrix: Solid

Associated Lab Samples: 40275594002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Arsenic | mg/kg | <1.5 | 2.5 | 03/19/24 15:02 | |
| Barium | mg/kg | <0.15 | 0.50 | 03/19/24 15:02 | |
| Cadmium | mg/kg | <0.13 | 0.50 | 03/19/24 15:02 | |
| Chromium | mg/kg | <0.28 | 1.0 | 03/19/24 15:02 | |
| Lead | mg/kg | <0.60 | 2.0 | 03/19/24 15:02 | |
| Selenium | mg/kg | <1.3 | 4.0 | 03/19/24 15:02 | |
| Silver | mg/kg | <0.31 | 1.0 | 03/19/24 15:02 | |

LABORATORY CONTROL SAMPLE: 2688668

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Arsenic | mg/kg | 25 | 23.8 | 95 | 80-120 | |
| Barium | mg/kg | 25 | 25.6 | 103 | 80-120 | |
| Cadmium | mg/kg | 25 | 25.1 | 101 | 80-120 | |
| Chromium | mg/kg | 25 | 24.7 | 99 | 80-120 | |
| Lead | mg/kg | 25 | 25.7 | 103 | 80-120 | |
| Selenium | mg/kg | 25 | 25.5 | 102 | 80-120 | |
| Silver | mg/kg | 12.5 | 12.4 | 99 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2688669 2688670

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|-----------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
| | | 40275474001 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | | MSD Result |
| Arsenic | mg/kg | 2.5J | 30.5 | 30.6 | 31.2 | 31.8 | 94 | 96 | 75-125 | 2 | 20 | |
| Barium | mg/kg | 36.7 | 30.5 | 30.6 | 71.8 | 75.9 | 115 | 128 | 75-125 | 6 | 20 | M0 |
| Cadmium | mg/kg | <0.16 | 30.5 | 30.6 | 30.5 | 31.6 | 100 | 103 | 75-125 | 4 | 20 | |
| Chromium | mg/kg | 11.9 | 30.5 | 30.6 | 45.2 | 45.9 | 109 | 111 | 75-125 | 2 | 20 | |
| Lead | mg/kg | 33.0 | 30.5 | 30.6 | 58.8 | 59.9 | 84 | 88 | 75-125 | 2 | 20 | |
| Selenium | mg/kg | <1.6 | 30.5 | 30.6 | 31.7 | 32.3 | 102 | 104 | 75-125 | 2 | 20 | |
| Silver | mg/kg | <0.38 | 15.3 | 15.3 | 15.3 | 15.6 | 100 | 102 | 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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

QC Batch: 469558

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: 40275594002

METHOD BLANK: 2690187

Matrix: Solid

Associated Lab Samples: 40275594002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/kg | <12.0 | 50.0 | 03/20/24 09:06 | |
| 1,1,1-Trichloroethane | ug/kg | <12.8 | 50.0 | 03/20/24 09:06 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | <18.1 | 50.0 | 03/20/24 09:06 | |
| 1,1,2-Trichloroethane | ug/kg | <18.2 | 50.0 | 03/20/24 09:06 | |
| 1,1-Dichloroethane | ug/kg | <12.8 | 50.0 | 03/20/24 09:06 | |
| 1,1-Dichloroethene | ug/kg | <16.6 | 50.0 | 03/20/24 09:06 | |
| 1,1-Dichloropropene | ug/kg | <16.2 | 50.0 | 03/20/24 09:06 | |
| 1,2,3-Trichlorobenzene | ug/kg | <55.7 | 250 | 03/20/24 09:06 | |
| 1,2,3-Trichloropropane | ug/kg | <24.3 | 50.0 | 03/20/24 09:06 | |
| 1,2,4-Trichlorobenzene | ug/kg | <41.2 | 250 | 03/20/24 09:06 | |
| 1,2,4-Trimethylbenzene | ug/kg | <14.9 | 50.0 | 03/20/24 09:06 | |
| 1,2-Dibromo-3-chloropropane | ug/kg | <38.8 | 250 | 03/20/24 09:06 | |
| 1,2-Dibromoethane (EDB) | ug/kg | <13.7 | 50.0 | 03/20/24 09:06 | |
| 1,2-Dichlorobenzene | ug/kg | <15.5 | 50.0 | 03/20/24 09:06 | |
| 1,2-Dichloroethane | ug/kg | <11.5 | 50.0 | 03/20/24 09:06 | |
| 1,2-Dichloropropane | ug/kg | <11.9 | 50.0 | 03/20/24 09:06 | |
| 1,3,5-Trimethylbenzene | ug/kg | <16.1 | 50.0 | 03/20/24 09:06 | |
| 1,3-Dichlorobenzene | ug/kg | <13.7 | 50.0 | 03/20/24 09:06 | |
| 1,3-Dichloropropane | ug/kg | <10.9 | 50.0 | 03/20/24 09:06 | |
| 1,4-Dichlorobenzene | ug/kg | <13.7 | 50.0 | 03/20/24 09:06 | |
| 2,2-Dichloropropane | ug/kg | <13.5 | 50.0 | 03/20/24 09:06 | |
| 2-Chlorotoluene | ug/kg | <16.2 | 50.0 | 03/20/24 09:06 | |
| 4-Chlorotoluene | ug/kg | <19.0 | 50.0 | 03/20/24 09:06 | |
| Benzene | ug/kg | <11.9 | 20.0 | 03/20/24 09:06 | |
| Bromobenzene | ug/kg | <19.5 | 50.0 | 03/20/24 09:06 | |
| Bromochloromethane | ug/kg | <13.7 | 50.0 | 03/20/24 09:06 | |
| Bromodichloromethane | ug/kg | <11.9 | 50.0 | 03/20/24 09:06 | |
| Bromoform | ug/kg | <220 | 250 | 03/20/24 09:06 | |
| Bromomethane | ug/kg | <70.1 | 250 | 03/20/24 09:06 | |
| Carbon tetrachloride | ug/kg | <11.0 | 50.0 | 03/20/24 09:06 | |
| Chlorobenzene | ug/kg | <6.0 | 50.0 | 03/20/24 09:06 | |
| Chloroethane | ug/kg | <21.1 | 250 | 03/20/24 09:06 | |
| Chloroform | ug/kg | <35.8 | 250 | 03/20/24 09:06 | |
| Chloromethane | ug/kg | <19.0 | 50.0 | 03/20/24 09:06 | |
| cis-1,2-Dichloroethene | ug/kg | <10.7 | 50.0 | 03/20/24 09:06 | |
| cis-1,3-Dichloropropene | ug/kg | <33.0 | 250 | 03/20/24 09:06 | |
| Dibromochloromethane | ug/kg | <171 | 250 | 03/20/24 09:06 | |
| Dibromomethane | ug/kg | <14.8 | 50.0 | 03/20/24 09:06 | |
| Dichlorodifluoromethane | ug/kg | <21.5 | 50.0 | 03/20/24 09:06 | |
| Diisopropyl ether | ug/kg | <12.4 | 50.0 | 03/20/24 09:06 | |

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

METHOD BLANK: 2690187

Matrix: Solid

Associated Lab Samples: 40275594002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|----------------|------------|
| Ethylbenzene | ug/kg | <11.9 | 50.0 | 03/20/24 09:06 | |
| Hexachloro-1,3-butadiene | ug/kg | <99.4 | 250 | 03/20/24 09:06 | |
| Isopropylbenzene (Cumene) | ug/kg | <13.5 | 50.0 | 03/20/24 09:06 | |
| m&p-Xylene | ug/kg | <21.1 | 100 | 03/20/24 09:06 | |
| Methyl-tert-butyl ether | ug/kg | <14.7 | 50.0 | 03/20/24 09:06 | |
| Methylene Chloride | ug/kg | <13.9 | 50.0 | 03/20/24 09:06 | |
| n-Butylbenzene | ug/kg | <22.9 | 50.0 | 03/20/24 09:06 | |
| n-Propylbenzene | ug/kg | <12.0 | 50.0 | 03/20/24 09:06 | |
| Naphthalene | ug/kg | <21.0 | 250 | 03/20/24 09:06 | |
| o-Xylene | ug/kg | <15.0 | 50.0 | 03/20/24 09:06 | |
| p-Isopropyltoluene | ug/kg | <17.0 | 50.0 | 03/20/24 09:06 | |
| sec-Butylbenzene | ug/kg | <17.2 | 50.0 | 03/20/24 09:06 | |
| Styrene | ug/kg | <12.8 | 50.0 | 03/20/24 09:06 | |
| tert-Butylbenzene | ug/kg | <15.7 | 50.0 | 03/20/24 09:06 | |
| Tetrachloroethene | ug/kg | <19.4 | 50.0 | 03/20/24 09:06 | |
| Toluene | ug/kg | <12.6 | 50.0 | 03/20/24 09:06 | |
| trans-1,2-Dichloroethene | ug/kg | <10.9 | 50.0 | 03/20/24 09:06 | |
| trans-1,3-Dichloropropene | ug/kg | <143 | 250 | 03/20/24 09:06 | |
| Trichloroethene | ug/kg | <18.7 | 50.0 | 03/20/24 09:06 | |
| Trichlorofluoromethane | ug/kg | <14.5 | 50.0 | 03/20/24 09:06 | |
| Vinyl chloride | ug/kg | <10.1 | 50.0 | 03/20/24 09:06 | |
| Xylene (Total) | ug/kg | <36.1 | 150 | 03/20/24 09:06 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 106 | 67-144 | 03/20/24 09:06 | |
| 4-Bromofluorobenzene (S) | % | 104 | 72-142 | 03/20/24 09:06 | |
| Toluene-d8 (S) | % | 103 | 70-139 | 03/20/24 09:06 | |

LABORATORY CONTROL SAMPLE: 2690188

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/kg | 2500 | 2470 | 99 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | 2500 | 2290 | 91 | 70-130 | |
| 1,1,2-Trichloroethane | ug/kg | 2500 | 2310 | 92 | 70-130 | |
| 1,1-Dichloroethane | ug/kg | 2500 | 2410 | 96 | 70-130 | |
| 1,1-Dichloroethene | ug/kg | 2500 | 2270 | 91 | 77-122 | |
| 1,2,4-Trichlorobenzene | ug/kg | 2500 | 2090 | 84 | 66-125 | |
| 1,2-Dibromo-3-chloropropane | ug/kg | 2500 | 2050 | 82 | 66-130 | |
| 1,2-Dibromoethane (EDB) | ug/kg | 2500 | 2320 | 93 | 70-130 | |
| 1,2-Dichlorobenzene | ug/kg | 2500 | 2440 | 98 | 70-130 | |
| 1,2-Dichloroethane | ug/kg | 2500 | 2500 | 100 | 70-130 | |
| 1,2-Dichloropropane | ug/kg | 2500 | 2460 | 99 | 80-121 | |
| 1,3-Dichlorobenzene | ug/kg | 2500 | 2500 | 100 | 70-130 | |
| 1,4-Dichlorobenzene | ug/kg | 2500 | 2540 | 102 | 70-130 | |
| Benzene | ug/kg | 2500 | 2410 | 96 | 70-130 | |
| Bromodichloromethane | ug/kg | 2500 | 2480 | 99 | 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

LABORATORY CONTROL SAMPLE: 2690188

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Bromoform | ug/kg | 2500 | 2170 | 87 | 67-130 | |
| Bromomethane | ug/kg | 2500 | 2550 | 102 | 25-150 | |
| Carbon tetrachloride | ug/kg | 2500 | 2390 | 95 | 72-136 | |
| Chlorobenzene | ug/kg | 2500 | 2520 | 101 | 70-130 | |
| Chloroethane | ug/kg | 2500 | 2580 | 103 | 20-178 | |
| Chloroform | ug/kg | 2500 | 2470 | 99 | 80-120 | |
| Chloromethane | ug/kg | 2500 | 2040 | 82 | 45-123 | |
| cis-1,2-Dichloroethene | ug/kg | 2500 | 2430 | 97 | 70-130 | |
| cis-1,3-Dichloropropene | ug/kg | 2500 | 2320 | 93 | 70-130 | |
| Dibromochloromethane | ug/kg | 2500 | 2310 | 92 | 70-130 | |
| Dichlorodifluoromethane | ug/kg | 2500 | 1760 | 70 | 14-106 | |
| Ethylbenzene | ug/kg | 2500 | 2370 | 95 | 80-120 | |
| Isopropylbenzene (Cumene) | ug/kg | 2500 | 2360 | 94 | 70-130 | |
| m&p-Xylene | ug/kg | 5000 | 4820 | 96 | 70-130 | |
| Methyl-tert-butyl ether | ug/kg | 2500 | 2400 | 96 | 70-130 | |
| Methylene Chloride | ug/kg | 2500 | 2420 | 97 | 70-130 | |
| o-Xylene | ug/kg | 2500 | 2480 | 99 | 70-130 | |
| Styrene | ug/kg | 2500 | 2570 | 103 | 70-130 | |
| Tetrachloroethene | ug/kg | 2500 | 2420 | 97 | 70-130 | |
| Toluene | ug/kg | 2500 | 2430 | 97 | 80-120 | |
| trans-1,2-Dichloroethene | ug/kg | 2500 | 2370 | 95 | 70-130 | |
| trans-1,3-Dichloropropene | ug/kg | 2500 | 2310 | 93 | 70-130 | |
| Trichloroethene | ug/kg | 2500 | 2490 | 99 | 70-130 | |
| Trichlorofluoromethane | ug/kg | 2500 | 2230 | 89 | 49-141 | |
| Vinyl chloride | ug/kg | 2500 | 1940 | 78 | 59-120 | |
| Xylene (Total) | ug/kg | 7500 | 7310 | 97 | 70-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 104 | 67-144 | |
| 4-Bromofluorobenzene (S) | % | | | 102 | 72-142 | |
| Toluene-d8 (S) | % | | | 107 | 70-139 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2690189 2690190

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------------------------|-------|-------------|-------------|-------------|--------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 40275591004 | Spike Conc. | Spike Conc. | Result | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 208 | 1360 | 1360 | 1380 | 1260 | 86 | 77 | 56-130 | 9 | 20 | | |
| 1,1,2,2-Tetrachloroethane | ug/kg | <24.6 | 1360 | 1360 | 1280 | 1250 | 94 | 92 | 70-133 | 2 | 20 | | |
| 1,1,2-Trichloroethane | ug/kg | <24.7 | 1360 | 1360 | 1170 | 1130 | 86 | 83 | 70-130 | 4 | 20 | | |
| 1,1-Dichloroethane | ug/kg | <17.4 | 1360 | 1360 | 1340 | 1290 | 98 | 95 | 70-130 | 4 | 20 | | |
| 1,1-Dichloroethene | ug/kg | <22.6 | 1360 | 1360 | 972 | 824 | 71 | 61 | 52-122 | 16 | 20 | | |
| 1,2,4-Trichlorobenzene | ug/kg | <56.0 | 1360 | 1360 | 1300 | 1310 | 96 | 96 | 66-136 | 0 | 20 | | |
| 1,2-Dibromo-3-chloropropane | ug/kg | <52.7 | 1360 | 1360 | 1160 | 1150 | 85 | 85 | 59-131 | 1 | 23 | | |
| 1,2-Dibromoethane (EDB) | ug/kg | <18.6 | 1360 | 1360 | 1210 | 1180 | 89 | 87 | 70-130 | 2 | 20 | | |
| 1,2-Dichlorobenzene | ug/kg | <21.1 | 1360 | 1360 | 1460 | 1410 | 108 | 104 | 70-130 | 3 | 20 | | |
| 1,2-Dichloroethane | ug/kg | <15.6 | 1360 | 1360 | 1360 | 1300 | 100 | 96 | 70-130 | 4 | 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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

| Parameter | Units | MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2690189 | | 2690190 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | RPD | Qual |
|------------------------------|-------|--|----------------------|-----------------------|------|--------------|---------------|-------------|--------------|-----------------|------------|-----|------|
| | | 40275591004 Result | MS Spike Conc. | MSD Spike Conc. | | | | | | | | | |
| 1,2-Dichloropropane | ug/kg | <16.2 | 1360 | 1360 | 1290 | 1290 | 95 | 95 | 77-121 | 0 | 20 | | |
| 1,3-Dichlorobenzene | ug/kg | <18.6 | 1360 | 1360 | 1390 | 1380 | 102 | 102 | 70-130 | 1 | 20 | | |
| 1,4-Dichlorobenzene | ug/kg | <18.6 | 1360 | 1360 | 1450 | 1360 | 106 | 100 | 70-130 | 6 | 20 | | |
| Benzene | ug/kg | <16.2 | 1360 | 1360 | 1250 | 1200 | 92 | 89 | 70-130 | 4 | 20 | | |
| Bromodichloromethane | ug/kg | <16.2 | 1360 | 1360 | 1330 | 1260 | 98 | 92 | 70-130 | 5 | 20 | | |
| Bromoform | ug/kg | <299 | 1360 | 1360 | 1030 | 979 | 75 | 72 | 67-130 | 5 | 20 | | |
| Bromomethane | ug/kg | <95.3 | 1360 | 1360 | 1260 | 1180 | 93 | 87 | 25-150 | 6 | 20 | | |
| Carbon tetrachloride | ug/kg | <14.9 | 1360 | 1360 | 1080 | 905 | 79 | 67 | 48-136 | 17 | 20 | | |
| Chlorobenzene | ug/kg | <8.1 | 1360 | 1360 | 1370 | 1330 | 101 | 98 | 70-130 | 3 | 20 | | |
| Chloroethane | ug/kg | <28.7 | 1360 | 1360 | 1100 | 1040 | 81 | 76 | 20-178 | 6 | 23 | | |
| Chloroform | ug/kg | <48.7 | 1360 | 1360 | 1290 | 1270 | 95 | 93 | 80-120 | 2 | 20 | | |
| Chloromethane | ug/kg | <25.8 | 1360 | 1360 | 803 | 741 | 59 | 54 | 23-132 | 8 | 20 | | |
| cis-1,2-Dichloroethene | ug/kg | <14.5 | 1360 | 1360 | 1220 | 1230 | 90 | 90 | 70-130 | 0 | 20 | | |
| cis-1,3-Dichloropropene | ug/kg | <44.8 | 1360 | 1360 | 1180 | 1130 | 87 | 83 | 70-130 | 5 | 20 | | |
| Dibromochloromethane | ug/kg | <232 | 1360 | 1360 | 1150 | 1120 | 85 | 82 | 70-130 | 3 | 20 | | |
| Dichlorodifluoromethane | ug/kg | <29.2 | 1360 | 1360 | 439 | 339 | 32 | 25 | 10-106 | 26 | 34 | | |
| Ethylbenzene | ug/kg | <16.2 | 1360 | 1360 | 1260 | 1190 | 92 | 88 | 80-120 | 5 | 20 | | |
| Isopropylbenzene (Cumene) | ug/kg | <18.3 | 1360 | 1360 | 1170 | 1060 | 86 | 78 | 70-130 | 9 | 20 | | |
| m&p-Xylene | ug/kg | <28.7 | 2710 | 2710 | 2520 | 2460 | 93 | 91 | 70-130 | 2 | 20 | | |
| Methyl-tert-butyl ether | ug/kg | <20.0 | 1360 | 1360 | 1270 | 1200 | 93 | 88 | 67-130 | 6 | 20 | | |
| Methylene Chloride | ug/kg | <18.9 | 1360 | 1360 | 1300 | 1250 | 96 | 92 | 70-130 | 4 | 20 | | |
| o-Xylene | ug/kg | <20.4 | 1360 | 1360 | 1320 | 1290 | 97 | 95 | 70-130 | 3 | 20 | | |
| Styrene | ug/kg | <17.4 | 1360 | 1360 | 1360 | 1340 | 100 | 98 | 70-130 | 2 | 20 | | |
| Tetrachloroethene | ug/kg | 44.9J | 1360 | 1360 | 1250 | 1090 | 89 | 77 | 70-130 | 14 | 20 | | |
| Toluene | ug/kg | <17.1 | 1360 | 1360 | 1260 | 1230 | 92 | 91 | 80-120 | 2 | 20 | | |
| trans-1,2-Dichloroethene | ug/kg | <14.9 | 1360 | 1360 | 1190 | 1070 | 87 | 79 | 70-130 | 10 | 20 | | |
| trans-1,3-Dichloropropene | ug/kg | <194 | 1360 | 1360 | 1130 | 1100 | 83 | 81 | 70-130 | 2 | 20 | | |
| Trichloroethene | ug/kg | <25.4 | 1360 | 1360 | 1300 | 1170 | 95 | 86 | 70-130 | 10 | 20 | | |
| Trichlorofluoromethane | ug/kg | <19.7 | 1360 | 1360 | 932 | 778 | 69 | 57 | 21-141 | 18 | 28 | | |
| Vinyl chloride | ug/kg | <13.7 | 1360 | 1360 | 788 | 639 | 58 | 47 | 29-120 | 21 | 20 | R1 | |
| Xylene (Total) | ug/kg | <49.1 | 4080 | 4080 | 3840 | 3750 | 94 | 92 | 70-130 | 2 | 20 | | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | | | | 134 | 129 | 67-144 | | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 129 | 123 | 72-142 | | | | |
| Toluene-d8 (S) | % | | | | | | 127 | 125 | 70-139 | | | | |

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

QC Batch: 469406

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275594001

METHOD BLANK: 2689565

Matrix: Water

Associated Lab Samples: 40275594001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/L | <0.30 | 1.0 | 03/21/24 08:38 | |
| 1,1,2-Trichloroethane | ug/L | <0.34 | 1.0 | 03/21/24 08:38 | |
| 1,1-Dichloroethane | ug/L | <0.30 | 1.0 | 03/21/24 08:38 | |
| 1,1-Dichloroethene | ug/L | <0.58 | 1.0 | 03/21/24 08:38 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.4 | 5.0 | 03/21/24 08:38 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.31 | 1.0 | 03/21/24 08:38 | |
| 1,2-Dichlorobenzene | ug/L | <0.33 | 1.0 | 03/21/24 08:38 | |
| 1,2-Dichloroethane | ug/L | <0.29 | 1.0 | 03/21/24 08:38 | |
| 1,2-Dichloropropane | ug/L | <0.45 | 1.0 | 03/21/24 08:38 | |
| 1,3-Dichlorobenzene | ug/L | <0.35 | 1.0 | 03/21/24 08:38 | |
| 1,4-Dichlorobenzene | ug/L | <0.89 | 1.0 | 03/21/24 08:38 | |
| Benzene | ug/L | <0.30 | 1.0 | 03/21/24 08:38 | |
| Bromodichloromethane | ug/L | <0.42 | 1.0 | 03/21/24 08:38 | |
| Bromoform | ug/L | <0.43 | 1.0 | 03/21/24 08:38 | |
| Bromomethane | ug/L | <1.2 | 5.0 | 03/21/24 08:38 | |
| Carbon tetrachloride | ug/L | <0.37 | 1.0 | 03/21/24 08:38 | |
| Chlorobenzene | ug/L | <0.86 | 1.0 | 03/21/24 08:38 | |
| Chloroethane | ug/L | <1.4 | 5.0 | 03/21/24 08:38 | |
| Chloroform | ug/L | <0.50 | 5.0 | 03/21/24 08:38 | |
| Chloromethane | ug/L | <1.6 | 5.0 | 03/21/24 08:38 | |
| cis-1,2-Dichloroethene | ug/L | <0.47 | 1.0 | 03/21/24 08:38 | |
| cis-1,3-Dichloropropene | ug/L | <0.24 | 1.0 | 03/21/24 08:38 | |
| Dibromochloromethane | ug/L | <2.6 | 5.0 | 03/21/24 08:38 | |
| Dibromomethane | ug/L | <0.99 | 5.0 | 03/21/24 08:38 | |
| Dichlorodifluoromethane | ug/L | <0.46 | 5.0 | 03/21/24 08:38 | |
| Ethylbenzene | ug/L | <0.33 | 1.0 | 03/21/24 08:38 | |
| m&p-Xylene | ug/L | <0.70 | 2.0 | 03/21/24 08:38 | |
| Methyl-tert-butyl ether | ug/L | <1.1 | 5.0 | 03/21/24 08:38 | |
| Methylene Chloride | ug/L | <0.32 | 5.0 | 03/21/24 08:38 | |
| Naphthalene | ug/L | <1.9 | 5.0 | 03/21/24 08:38 | |
| o-Xylene | ug/L | <0.35 | 1.0 | 03/21/24 08:38 | |
| Styrene | ug/L | <0.36 | 1.0 | 03/21/24 08:38 | |
| Tetrachloroethene | ug/L | <0.41 | 1.0 | 03/21/24 08:38 | |
| Toluene | ug/L | <0.29 | 1.0 | 03/21/24 08:38 | |
| trans-1,2-Dichloroethene | ug/L | <0.53 | 1.0 | 03/21/24 08:38 | |
| trans-1,3-Dichloropropene | ug/L | <0.27 | 1.0 | 03/21/24 08:38 | |
| Trichloroethene | ug/L | <0.32 | 1.0 | 03/21/24 08:38 | |
| Trichlorofluoromethane | ug/L | <0.42 | 1.0 | 03/21/24 08:38 | |
| Vinyl chloride | ug/L | <0.17 | 1.0 | 03/21/24 08:38 | |
| Xylene (Total) | ug/L | <1.0 | 3.0 | 03/21/24 08:38 | |

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

METHOD BLANK: 2689565

Matrix: Water

Associated Lab Samples: 40275594001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2-Dichlorobenzene-d4 (S) | % | 98 | 70-130 | 03/21/24 08:38 | |
| 4-Bromofluorobenzene (S) | % | 104 | 70-130 | 03/21/24 08:38 | |
| Toluene-d8 (S) | % | 103 | 70-130 | 03/21/24 08:38 | |

LABORATORY CONTROL SAMPLE: 2689566

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/L | 50 | 46.9 | 94 | 70-132 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 50.5 | 101 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 51.4 | 103 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 54.1 | 108 | 70-130 | |
| 1,1-Dichloroethene | ug/L | 50 | 44.4 | 89 | 73-140 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 45.2 | 90 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 51.9 | 104 | 58-130 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 57.5 | 115 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 49.6 | 99 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 51.7 | 103 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 53.5 | 107 | 77-127 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 49.8 | 100 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 51.6 | 103 | 70-130 | |
| Benzene | ug/L | 50 | 49.6 | 99 | 70-130 | |
| Bromodichloromethane | ug/L | 50 | 53.4 | 107 | 70-130 | |
| Bromoform | ug/L | 50 | 40.8 | 82 | 70-130 | |
| Bromomethane | ug/L | 50 | 40.3 | 81 | 22-141 | |
| Carbon tetrachloride | ug/L | 50 | 44.4 | 89 | 70-135 | |
| Chlorobenzene | ug/L | 50 | 51.1 | 102 | 70-130 | |
| Chloroethane | ug/L | 50 | 48.5 | 97 | 59-141 | |
| Chloroform | ug/L | 50 | 49.5 | 99 | 80-124 | |
| Chloromethane | ug/L | 50 | 35.3 | 71 | 29-150 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 46.7 | 93 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 43.1 | 86 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 43.7 | 87 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 27.2 | 54 | 10-147 | |
| Ethylbenzene | ug/L | 50 | 52.2 | 104 | 80-125 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 48.1 | 96 | 70-130 | |
| m&p-Xylene | ug/L | 100 | 103 | 103 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 41.2 | 82 | 64-131 | |
| Methylene Chloride | ug/L | 50 | 49.9 | 100 | 70-137 | |
| o-Xylene | ug/L | 50 | 51.0 | 102 | 70-130 | |
| Styrene | ug/L | 50 | 52.7 | 105 | 70-130 | |
| Tetrachloroethane | ug/L | 50 | 44.9 | 90 | 70-130 | |
| Toluene | ug/L | 50 | 51.7 | 103 | 80-120 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 49.1 | 98 | 70-131 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 43.9 | 88 | 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

LABORATORY CONTROL SAMPLE: 2689566

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Trichloroethene | ug/L | 50 | 50.0 | 100 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 45.6 | 91 | 69-141 | |
| Vinyl chloride | ug/L | 50 | 44.2 | 88 | 51-145 | |
| Xylene (Total) | ug/L | 150 | 154 | 102 | 70-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 98 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 105 | 70-130 | |
| Toluene-d8 (S) | % | | | 104 | 70-130 | |

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

QC Batch: 469553

Analysis Method: EPA 8082A

QC Batch Method: EPA 3541

Analysis Description: 8082 GCS PCB

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275594002

METHOD BLANK: 2690164

Matrix: Solid

Associated Lab Samples: 40275594002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| PCB-1016 (Aroclor 1016) | ug/kg | <15.2 | 50.0 | 03/19/24 15:06 | |
| PCB-1221 (Aroclor 1221) | ug/kg | <15.2 | 50.0 | 03/19/24 15:06 | |
| PCB-1232 (Aroclor 1232) | ug/kg | <15.2 | 50.0 | 03/19/24 15:06 | |
| PCB-1242 (Aroclor 1242) | ug/kg | <15.2 | 50.0 | 03/19/24 15:06 | |
| PCB-1248 (Aroclor 1248) | ug/kg | <15.2 | 50.0 | 03/19/24 15:06 | |
| PCB-1254 (Aroclor 1254) | ug/kg | <15.2 | 50.0 | 03/19/24 15:06 | |
| PCB-1260 (Aroclor 1260) | ug/kg | <15.2 | 50.0 | 03/19/24 15:06 | |
| Decachlorobiphenyl (S) | % | 92 | 34-120 | 03/19/24 15:06 | |
| Tetrachloro-m-xylene (S) | % | 95 | 44-120 | 03/19/24 15:06 | |

LABORATORY CONTROL SAMPLE: 2690165

| 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 | 518 | 104 | 69-120 | |
| Decachlorobiphenyl (S) | % | | | 102 | 34-120 | |
| Tetrachloro-m-xylene (S) | % | | | 104 | 44-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2690166 2690167

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|-------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|
| | | 40275485012 | Spike Conc. | Spike Conc. | Result | | | | | | |
| PCB-1016 (Aroclor 1016) | ug/kg | <16.2 | | | <16.3 | <16.3 | | | | | 20 |
| PCB-1221 (Aroclor 1221) | ug/kg | <16.2 | | | <16.3 | <16.3 | | | | | 20 |
| PCB-1232 (Aroclor 1232) | ug/kg | <16.2 | | | <16.3 | <16.3 | | | | | 20 |
| PCB-1242 (Aroclor 1242) | ug/kg | <16.2 | | | <16.3 | <16.3 | | | | | 20 |
| PCB-1248 (Aroclor 1248) | ug/kg | <16.2 | | | <16.3 | <16.3 | | | | | 20 |
| PCB-1254 (Aroclor 1254) | ug/kg | <16.2 | | | <16.3 | <16.3 | | | | | 20 |
| PCB-1260 (Aroclor 1260) | ug/kg | <16.2 | 535 | 534 | 513 | 522 | 96 | 98 | 51-120 | 2 | 20 |
| Decachlorobiphenyl (S) | % | | | | | | 93 | 97 | 34-120 | | |
| Tetrachloro-m-xylene (S) | % | | | | | | 99 | 101 | 44-120 | | |

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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

QC Batch: 469411

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: 40275594001

METHOD BLANK: 2689575

Matrix: Water

Associated Lab Samples: 40275594001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| PCB-1016 (Aroclor 1016) | ug/L | <0.11 | 0.50 | 03/18/24 20:29 | |
| PCB-1221 (Aroclor 1221) | ug/L | <0.11 | 0.50 | 03/18/24 20:29 | |
| PCB-1232 (Aroclor 1232) | ug/L | <0.11 | 0.50 | 03/18/24 20:29 | |
| PCB-1242 (Aroclor 1242) | ug/L | <0.11 | 0.50 | 03/18/24 20:29 | |
| PCB-1248 (Aroclor 1248) | ug/L | <0.11 | 0.50 | 03/18/24 20:29 | |
| PCB-1254 (Aroclor 1254) | ug/L | <0.11 | 0.50 | 03/18/24 20:29 | |
| PCB-1260 (Aroclor 1260) | ug/L | <0.11 | 0.50 | 03/18/24 20:29 | |
| Decachlorobiphenyl (S) | % | 34 | 10-132 | 03/18/24 20:29 | |
| Tetrachloro-m-xylene (S) | % | 51 | 41-120 | 03/18/24 20:29 | |

LABORATORY CONTROL SAMPLE & LCSD: 2689576

2689577

| 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 | 4.7 | 5.1 | 93 | 102 | 70-120 | 9 | 20 | |
| Decachlorobiphenyl (S) | % | | | | 63 | 83 | 10-132 | | | |
| Tetrachloro-m-xylene (S) | % | | | | 70 | 74 | 41-120 | | | |

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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

QC Batch: 469518

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: 40275594002

METHOD BLANK: 2690000

Matrix: Solid

Associated Lab Samples: 40275594002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| 1-Methylnaphthalene | ug/kg | <2.4 | 16.7 | 03/19/24 10:20 | |
| 2-Methylnaphthalene | ug/kg | <2.4 | 16.7 | 03/19/24 10:20 | |
| Acenaphthene | ug/kg | <2.2 | 16.7 | 03/19/24 10:20 | |
| Acenaphthylene | ug/kg | <2.1 | 16.7 | 03/19/24 10:20 | |
| Anthracene | ug/kg | <2.1 | 16.7 | 03/19/24 10:20 | |
| Benzo(a)anthracene | ug/kg | <2.2 | 16.7 | 03/19/24 10:20 | |
| Benzo(a)pyrene | ug/kg | <1.9 | 16.7 | 03/19/24 10:20 | |
| Benzo(b)fluoranthene | ug/kg | <2.3 | 16.7 | 03/19/24 10:20 | |
| Benzo(g,h,i)perylene | ug/kg | <2.9 | 16.7 | 03/19/24 10:20 | |
| Benzo(k)fluoranthene | ug/kg | <2.1 | 16.7 | 03/19/24 10:20 | |
| Chrysene | ug/kg | <3.2 | 16.7 | 03/19/24 10:20 | |
| Dibenz(a,h)anthracene | ug/kg | <2.3 | 16.7 | 03/19/24 10:20 | |
| Fluoranthene | ug/kg | <2.0 | 16.7 | 03/19/24 10:20 | |
| Fluorene | ug/kg | <2.0 | 16.7 | 03/19/24 10:20 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | <3.5 | 16.7 | 03/19/24 10:20 | |
| Naphthalene | ug/kg | <1.6 | 16.7 | 03/19/24 10:20 | |
| Phenanthrene | ug/kg | <1.9 | 16.7 | 03/19/24 10:20 | |
| Pyrene | ug/kg | <2.5 | 16.7 | 03/19/24 10:20 | |
| 2-Fluorobiphenyl (S) | % | 72 | 39-120 | 03/19/24 10:20 | |
| Terphenyl-d14 (S) | % | 84 | 36-120 | 03/19/24 10:20 | |

LABORATORY CONTROL SAMPLE: 2690001

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1-Methylnaphthalene | ug/kg | 334 | 260 | 78 | 62-120 | |
| 2-Methylnaphthalene | ug/kg | 334 | 262 | 79 | 61-120 | |
| Acenaphthene | ug/kg | 334 | 292 | 88 | 66-120 | |
| Acenaphthylene | ug/kg | 334 | 292 | 88 | 63-120 | |
| Anthracene | ug/kg | 334 | 308 | 92 | 72-120 | |
| Benzo(a)anthracene | ug/kg | 334 | 318 | 95 | 64-120 | |
| Benzo(a)pyrene | ug/kg | 334 | 329 | 99 | 76-120 | |
| Benzo(b)fluoranthene | ug/kg | 334 | 343 | 103 | 62-120 | |
| Benzo(g,h,i)perylene | ug/kg | 334 | 392 | 117 | 73-120 | |
| Benzo(k)fluoranthene | ug/kg | 334 | 330 | 99 | 69-120 | |
| Chrysene | ug/kg | 334 | 301 | 90 | 70-120 | |
| Dibenz(a,h)anthracene | ug/kg | 334 | 386 | 116 | 72-120 | |
| Fluoranthene | ug/kg | 334 | 307 | 92 | 71-120 | |
| Fluorene | ug/kg | 334 | 285 | 85 | 68-120 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | 334 | 367 | 110 | 72-120 | |

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

LABORATORY CONTROL SAMPLE: 2690001

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Naphthalene | ug/kg | 334 | 258 | 77 | 60-120 | |
| Phenanthrene | ug/kg | 334 | 322 | 96 | 66-120 | |
| Pyrene | ug/kg | 334 | 321 | 96 | 65-120 | |
| 2-Fluorobiphenyl (S) | % | | | 80 | 39-120 | |
| Terphenyl-d14 (S) | % | | | 90 | 36-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2690002 2690003

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|------------------------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
| | | 40275341006 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | | MSD Result |
| 1-Methylnaphthalene | ug/kg | <2.9 | 396 | 396 | 277 | 268 | 69 | 67 | 50-120 | 3 | 34 | |
| 2-Methylnaphthalene | ug/kg | <2.9 | 396 | 396 | 282 | 275 | 70 | 69 | 48-120 | 3 | 29 | |
| Acenaphthene | ug/kg | <2.6 | 396 | 396 | 307 | 305 | 77 | 77 | 51-120 | 1 | 26 | |
| Acenaphthylene | ug/kg | <2.5 | 396 | 396 | 318 | 335 | 80 | 84 | 49-120 | 5 | 22 | |
| Anthracene | ug/kg | <2.5 | 396 | 396 | 325 | 303 | 82 | 76 | 52-120 | 7 | 25 | |
| Benzo(a)anthracene | ug/kg | <2.6 | 396 | 396 | 345 | 326 | 87 | 82 | 47-120 | 6 | 37 | |
| Benzo(a)pyrene | ug/kg | <2.3 | 396 | 396 | 351 | 357 | 88 | 90 | 53-120 | 2 | 33 | |
| Benzo(b)fluoranthene | ug/kg | 3.4J | 396 | 396 | 369 | 356 | 92 | 89 | 43-120 | 3 | 43 | |
| Benzo(g,h,i)perylene | ug/kg | 4.7J | 396 | 396 | 369 | 375 | 92 | 93 | 38-120 | 2 | 36 | |
| Benzo(k)fluoranthene | ug/kg | <2.5 | 396 | 396 | 354 | 320 | 89 | 80 | 49-120 | 10 | 30 | |
| Chrysene | ug/kg | 5.7J | 396 | 396 | 325 | 301 | 80 | 75 | 45-120 | 7 | 28 | |
| Dibenz(a,h)anthracene | ug/kg | <2.7 | 396 | 396 | 351 | 358 | 88 | 90 | 41-120 | 2 | 33 | |
| Fluoranthene | ug/kg | 3.3J | 396 | 396 | 324 | 311 | 81 | 78 | 50-120 | 4 | 43 | |
| Fluorene | ug/kg | <2.4 | 396 | 396 | 291 | 306 | 73 | 77 | 47-120 | 5 | 27 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | <4.1 | 396 | 396 | 338 | 348 | 85 | 87 | 35-120 | 3 | 33 | |
| Naphthalene | ug/kg | 2.5J | 396 | 396 | 286 | 282 | 71 | 70 | 42-120 | 1 | 26 | |
| Phenanthrene | ug/kg | 3.7J | 396 | 396 | 358 | 343 | 89 | 86 | 45-120 | 4 | 24 | |
| Pyrene | ug/kg | 4.6J | 396 | 396 | 299 | 282 | 74 | 70 | 42-120 | 6 | 41 | |
| 2-Fluorobiphenyl (S) | % | | | | | | 72 | 71 | 39-120 | | | |
| Terphenyl-d14 (S) | % | | | | | | 69 | 69 | 36-120 | | | |

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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

QC Batch: 469617

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: 40275594001

METHOD BLANK: 2690458

Matrix: Water

Associated Lab Samples: 40275594001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| 1-Methylnaphthalene | ug/L | <0.018 | 0.050 | 03/21/24 15:50 | |
| 2-Methylnaphthalene | ug/L | <0.014 | 0.050 | 03/21/24 15:50 | |
| Acenaphthene | ug/L | <0.014 | 0.050 | 03/21/24 15:50 | |
| Acenaphthylene | ug/L | <0.013 | 0.050 | 03/21/24 15:50 | |
| Anthracene | ug/L | <0.018 | 0.050 | 03/21/24 15:50 | |
| Benzo(a)anthracene | ug/L | <0.014 | 0.050 | 03/21/24 15:50 | |
| Benzo(a)pyrene | ug/L | <0.013 | 0.050 | 03/21/24 15:50 | |
| Benzo(b)fluoranthene | ug/L | <0.0091 | 0.050 | 03/21/24 15:50 | |
| Benzo(g,h,i)perylene | ug/L | <0.023 | 0.050 | 03/21/24 15:50 | |
| Benzo(k)fluoranthene | ug/L | <0.022 | 0.050 | 03/21/24 15:50 | |
| Chrysene | ug/L | <0.013 | 0.050 | 03/21/24 15:50 | |
| Dibenz(a,h)anthracene | ug/L | <0.018 | 0.050 | 03/21/24 15:50 | |
| Fluoranthene | ug/L | <0.026 | 0.050 | 03/21/24 15:50 | |
| Fluorene | ug/L | <0.024 | 0.050 | 03/21/24 15:50 | |
| Indeno(1,2,3-cd)pyrene | ug/L | <0.016 | 0.050 | 03/21/24 15:50 | |
| Naphthalene | ug/L | <0.020 | 0.050 | 03/21/24 15:50 | |
| Phenanthrene | ug/L | <0.026 | 0.050 | 03/21/24 15:50 | |
| Pyrene | ug/L | <0.023 | 0.050 | 03/21/24 15:50 | |
| 2-Fluorobiphenyl (S) | % | 56 | 38-120 | 03/21/24 15:50 | |
| Terphenyl-d14 (S) | % | 66 | 47-121 | 03/21/24 15:50 | |

LABORATORY CONTROL SAMPLE & LCSD: 2690459

2690460

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| 1-Methylnaphthalene | ug/L | 2 | 1.4 | 1.4 | 70 | 68 | 57-120 | 2 | 20 | |
| 2-Methylnaphthalene | ug/L | 2 | 1.4 | 1.4 | 69 | 68 | 55-120 | 1 | 20 | |
| Acenaphthene | ug/L | 2 | 1.4 | 1.4 | 71 | 69 | 60-120 | 2 | 20 | |
| Acenaphthylene | ug/L | 2 | 1.5 | 1.4 | 73 | 72 | 58-120 | 1 | 20 | |
| Anthracene | ug/L | 2 | 1.6 | 1.6 | 80 | 78 | 58-120 | 2 | 20 | |
| Benzo(a)anthracene | ug/L | 2 | 1.7 | 1.6 | 84 | 82 | 51-120 | 3 | 20 | |
| Benzo(a)pyrene | ug/L | 2 | 1.6 | 1.6 | 82 | 79 | 59-120 | 4 | 20 | |
| Benzo(b)fluoranthene | ug/L | 2 | 1.6 | 1.6 | 82 | 79 | 52-120 | 3 | 20 | |
| Benzo(g,h,i)perylene | ug/L | 2 | 1.6 | 1.5 | 78 | 76 | 62-120 | 3 | 20 | |
| Benzo(k)fluoranthene | ug/L | 2 | 1.7 | 1.6 | 83 | 79 | 59-120 | 5 | 20 | |
| Chrysene | ug/L | 2 | 1.6 | 1.6 | 81 | 78 | 55-125 | 4 | 20 | |
| Dibenz(a,h)anthracene | ug/L | 2 | 1.5 | 1.3 | 74 | 65 | 60-120 | 14 | 20 | |
| Fluoranthene | ug/L | 2 | 1.5 | 1.5 | 77 | 74 | 62-120 | 3 | 20 | |
| Fluorene | ug/L | 2 | 1.4 | 1.4 | 72 | 71 | 61-120 | 2 | 20 | |
| Indeno(1,2,3-cd)pyrene | ug/L | 2 | 1.7 | 1.7 | 83 | 83 | 62-120 | 0 | 20 | |

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

| LABORATORY CONTROL SAMPLE & LCSD: 2690459 | | 2690460 | | | | | | | | | |
|---|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|--|
| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers | |
| Naphthalene | ug/L | 2 | 1.4 | 1.3 | 69 | 67 | 55-120 | 3 | 20 | | |
| Phenanthrene | ug/L | 2 | 1.6 | 1.5 | 79 | 76 | 55-120 | 3 | 20 | | |
| Pyrene | ug/L | 2 | 1.6 | 1.6 | 82 | 81 | 53-120 | 1 | 20 | | |
| 2-Fluorobiphenyl (S) | % | | | | 61 | 60 | 38-120 | | | | |
| Terphenyl-d14 (S) | % | | | | 70 | 69 | 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

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

QC Batch: 469465

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: 40275594002

SAMPLE DUPLICATE: 2689842

| Parameter | Units | 40275562002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | % | 16.7 | 17.3 | 3 | 10 | |

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALIFIERS

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

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: 469453

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

Batch: 469645

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

ANALYTE QUALIFIERS

1q Analyte was measured in the associated method blank at a concentration of -0.02mg/kg

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690023383 BECHER ST

Pace Project No.: 40275594

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|----------|-------------------|------------------|
| 40275594002 | 12 PIT 8-9 | EPA 3541 | 469553 | EPA 8082A | 469563 |
| 40275594001 | 12 PIT | EPA 3510 | 469411 | EPA 8082A | 469453 |
| 40275594002 | 12 PIT 8-9 | EPA 3050B | 469274 | EPA 6010D | 469578 |
| 40275594002 | 12 PIT 8-9 | EPA 7471 | 469663 | EPA 7471 | 469741 |
| 40275594002 | 12 PIT 8-9 | EPA 3546 | 469518 | EPA 8270E by SIM | 469547 |
| 40275594001 | 12 PIT | EPA 3510 | 469617 | EPA 8270E by SIM | 469645 |
| 40275594002 | 12 PIT 8-9 | EPA 5035/5030B | 469558 | EPA 8260 | 469561 |
| 40275594001 | 12 PIT | EPA 8260 | 469406 | | |
| 40275594002 | 12 PIT 8-9 | ASTM D2974-87 | 469465 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



CHAIN-OF-CUSTODY Analytical Request Document

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

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

40275594

ALL SHADED AREAS are for LAB USE ONLY

Company: **RAMBOLL** → Billing Information:

Address: **234 W FLORIDA**

Report To: **RIC MAZ** Email To:

Copy To: Site Collection Info/Address:

Contaminant Preservative Type **

Lab Project Manager:

** 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

Customer Project Name/Number: **BECHER ST** State: **WI** County/City: **MILWAUKEE** Time Zone Collected: **PT [] MT [] CT [] ET**

Phone: Site/Facility ID #: Compliance Monitoring? [] Yes [] No

Collected By (print): **D GLASFORD** Purchase Order #: DW PWS ID #: Quote #: DW Location Code:

Collected By (signature): *[Signature]* Turnaround Date Required: Immediately Packed on Ice: [X] Yes [] No

Sample Disposal: Rush: [] Same Day [] Next Day [] 2 Day [X] 3 Day [] 4 Day [] 5 Day [] Hold. (Expedite Charges Apply) Field Filtered (if applicable): [] Yes [X] No Analysis: **X**

| Analyses | | | | | | | | | | Lab Profile/Line: |
|----------|--|--|--|--|--|--|--|--|--|-------------------------------------|
| | | | | | | | | | | 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 Refrigerated 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: Y N NA |
| | | | | | | | | | | Sample pH Acceptable Y N NA |
| | | | | | | | | | | pH Strips: Y N NA |
| | | | | | | | | | | Sulfide Present Y N NA |
| | | | | | | | | | | Lead Acetate Strips: Y N NA |

* 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) | | Composite End | | Res Cl | # of Ctns |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|
| | | | Date | Time | Date | Time | | |
| 12 PIT | GW | G | 3-13 | 1400 | | | | |
| 12 PIT 8-9 | Soil | G | 3-13 | 1415 | | | | |

| PAH | PCB | VOC | RCRA 8 |
|-----|-----|-----|--------|
| X | X | X | X |
| X | X | X | X |

LAB USE ONLY

Lab Sample # **03/16/2024**

Comments:

Customer Remarks / Special Conditions / Possible Hazards: *** 03/18/2024 - Please cancel the RCRA 8 metals analyses for water sample (12 Pit) collected on 3/15/2024 (not field filtered). Ramboll will resubmit a new 12 Pit water sample for RCRA 8 metals analyses.**

Type of Ice Used: **Wet** Blue Dry None

Packing Material Used: **see SCOUT**

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

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

Lab Tracking #: **2829638/2024**

Samples received via: **FEDEX** UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Relinquished by/Company: (Signature) *[Signature]* Date/Time: **3-15-24 9:30**

Received by/Company: (Signature) **CS LOGISTICS** Date/Time: **3-15-24 9:30**

Relinquished by/Company: (Signature) **CS LOGISTICS** Date/Time: **03/16/2024 08:45**

Received by/Company: (Signature) *[Signature]* Date/Time: **03/16/2024 09:45**

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY

Table #: **03/16/2024**

Acctnum: **03/16/2024**

Template: **03/16/2024**

Prelogin: **03/16/2024**

PM: **03/16/2024**

PB: **03/16/2024**

Lab Sample Temperature Info: (continued)

Trips Blank Received: Y N NA

MeOH TSP Other: _____

Non Conformance(s): **Page 29 of 34**

YES / NO of: **1**

Effective Date: 8/16/2022

Client Name: Ramboll

Sample Preservation Receipt Form

Project # 40275594

All containers needing preservation have been checked and noted below

Yes No N/A

Initial when completed: MWS Date/Time

Lab Lot# of pH paper

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

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

MWS
03/16/2024

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

MWS 03/16/2024

| | | | | | | | |
|------|---------------------------|------|--------------------------|------|-----------------------------|------|-------------------------------|
| 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 | 60ml clear plastic unpres |
| | | | | | | GN 2 | |

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Ramboll

WO#: 40275594

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 Uncorr. 1.0 / Corr. 0.5

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

Person examining contents:
 Date: 03/16/2024 Initials: MVS
 Labeled By Initials: ES

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

| | | |
|--|--|-----------|
| 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 type="checkbox"/> No | Date/Time |
| Short Hold Time Analysis (<72hr): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. |
| Sufficient Volume: | | 8. |
| 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 | | |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| Correct Type <u>Pace Green Bay</u> , Pace IR, Non-Pace | | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| 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 type="checkbox"/> No <input checked="" 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: no spectra on received VGGM, MVS 03/16/2024

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



CHAIN-OF-CUSTODY Analytical Request Document

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

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

40275594

ALL SHADED AREAS are for LAB USE ONLY

Company: **RAMBOLL** → Billing Information:

Address: **234 W FLORIDA**

Report To: **RIC MAZ** Email To:

Copy To: Site Collection Info/Address:

2 Contaminant Preservative Type **

Lab Project Manager:

** 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

Customer Project Name/Number: **BECHER ST** State: **WI** County/City: **MILWAUKEE** Time Zone Collected: **PT [] MT [] CT [] ET**

Phone: Site/Facility ID #: Compliance Monitoring? [] Yes [] No

Collected By (print): **D GLASFORD** Purchase Order #: DW PWS ID #: Quote #: DW Location Code:

Collected By (signature): *[Signature]* Turnaround Date Required: Immediately Packed on Ice: [X] Yes [] No

Sample Disposal: [] 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): [] Yes [X] No Analysis: **X**

| Analyses | | | | | | | | | | Lab Profile/Line: |
|----------|--|--|--|--|--|--|--|--|--|-------------------------------------|
| | | | | | | | | | | 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 Refrigerated 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: Y N NA |
| | | | | | | | | | | Sample pH Acceptable Y N NA |
| | | | | | | | | | | pH Strips: Y N NA |
| | | | | | | | | | | Sulfide Present Y N NA |
| | | | | | | | | | | Lead Acetate Strips: Y N NA |

* 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) | | Composite End | | Res Cl | # of Ctns |
|--------------------|----------|--------------|--------------------------------|------|---------------|------|--------|-----------|
| | | | Date | Time | Date | Time | | |
| 12 PIT | GW | G | 3-13 | 1400 | | | | |
| 12 PIT 8-9 | Soil | G | 3-13 | 1415 | | | | |

| PAH | PCB | VOC | PCRA B |
|-----|-----|-----|--------|
| X | X | X | X |
| X | X | X | X |

LAB USE ONLY

Lab Sample # **03/16/2024**

Comments:

Customer Remarks / Special Conditions / Possible Hazards: **see SC**

Type of Ice Used: Wet Blue Dry None

Packing Material Used: **see SC**

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

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

Lab Tracking #: **2829638/2024**

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments:

Relinquished by/Company (Signature): *[Signature]* Date/Time: **3-15-24 9:30** Received by/Company (Signature): **CS LOGISTICS** Date/Time: **3-15-24 9:30**

Relinquished by/Company (Signature): **CS LOGISTICS** Date/Time: **03/16/2024 08:45** Received by/Company (Signature): *[Signature]* Date/Time: **03/16/2024 09:45**

Relinquished by/Company (Signature): _____ Date/Time: _____ Received by/Company (Signature): _____ Date/Time: _____

MTJL LAB USE ONLY

Table #: _____

Acctnum: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

Temp Blank Received: Y N NA

MeOH TSP Other: _____

Non Conformance(s): _____

YES / NO

Page 31 of 34

Effective Date: 8/16/2022

Client Name: Ramboll

Sample Preservation Receipt Form

Project # 40275594

All containers needing preservation have been checked and noted below

Yes No N/A

Initial when completed: MWS Date/Time

Lab Lot# of pH paper

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

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

MWS
03/16/2024

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*
MWS 03/16/2024

| | | | | | | | |
|------|---------------------------|------|--------------------------|------|-----------------------------|------|-------------------------------|
| 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 | 60ml clear plastic unpres |
| | | | | | | GN 2 | |

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Ramboll

WO#: 40275594

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 Uncorr. 1.0 / Corr. 0.5

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

Person examining contents:
 Date: 03/16/2024 Initials: MVS
 Labeled By Initials: ES

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

| | | |
|--|--|-----------|
| 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 type="checkbox"/> No | Date/Time |
| Short Hold Time Analysis (<72hr): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. |
| Sufficient Volume: | | 8. |
| 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 | | |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace | | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| 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 type="checkbox"/> No <input checked="" 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: no spectra on received VGGM, MVS 03/16/2024

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