FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

Phase II Environmental Site Assessment

700, 804, 810, 814, 816 Grand Avenue
Wausau, WI 54403

Project #24-1045

November 12, 2024

909 North 8th Street, Suite 101
Sheboygan, Wisconsin 53081

The Commonwealth Companies
2501 Parmenter Street, Suite 300 B
Middleton, WI 53562

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1.0 INTRODUCTION

1.1 Purpose

Fehr Graham has completed a Phase II ESA on vacant land, located at 700, 804, 806, 810, 814, and 816 Grand Avenue, Wausau, Wisconsin 54403. This site is hereafter referred to as the Subject Property. This assessment was performed at the request and authorization of The Commonwealth Companies. The purpose of the Phase II ESA is to assess whether there has been a release of hazardous substances within the meaning of *CERCLA*, associated with the recognized environmental conditions (RECs) identified during the Phase I ESA of the Subject Property completed on December 28, 2022.

This assessment has been performed in accordance with ASTM E1903-19 "Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process". The current edition of ASTM E1903 was approved on November 15, 2019.

1.2 Background

Based on the findings and opinions detailed in the Phase I ESA completed on December 28, 2022, Fehr Graham recommended a Phase II ESA to investigate the potential release of hazardous substances on the Subject Property resulting from the following identified RECs:

- There is a likelihood of contamination on the Subject Property due to the presence of historical urban fill material.
- There is a likelihood for contamination due to past releases (e.g., spills, overfills, and/or leaking tanks) of petroleum and hazardous materials from historical/permitted petroleum underground storage tanks (USTs) and associated equipment from the former filling station on the Subject Property.
- There is a likelihood for petroleum products and hazardous materials to remain on the Subject Property from a documented leaded gasoline UST abandoned in place on the Subject Property.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Subject Property consists of five (5) irregularly shaped parcels of land forming a triangle-shaped site, encompassing a combined approximately 1.13-acres. The Subject Property is located on the west side of Grand Avenue. The common addresses for the Subject Property include 700, 804, 806, 810, 814, and 816 Grand Avenue, Wausau, Wisconsin 54403. The parcel index numbers (PINs) associated with the Subject Property are 29129073630031, 29129073630032, 29129073630035, 29129073630033, and 29129073630034. A Site Vicinity Map and Site Layout Map are presented as Figures 1 and 2.

2.2 Site and Vicinity General Characteristics

The Subject Property is located in a mixed commercial, municipal, and residential setting in the City of Wausau, Marathon County, Wisconsin. The Subject Property is surrounded to the north by a City-owned community park and a residential assisted living facility; further to the northeast by a fire station; to the east by residences and a commercial facility; to the west by a railroad and a residential apartment building; and to the south-southwest by a historic landmark. East Thomas Street is situated north of the Subject Property, Grand Avenue is situated east of the Subject Property, and the Wisconsin River is situated further to the southwest of the Subject Property. A Surrounding Properties Map is presented as Figure 3.

2.3 Current Use of the Subject Property

The Subject Property is currently vacant with no structures.

2.4 Description of Site Structures, Roads, and Improvements

The Subject Property is vacant with no structures and includes approximately 1.13 acres of greenspace. A signpost is present near the eastern boundary of the Subject Property. Power lines run along the western boundary of the Subject Property and a portion of sidewalk remains on the Subject Property.

3.0 FIELD ACTIVITIES

On August 20 and 21, 2024, Fehr Graham personnel mobilized to the Subject Property to complete the Phase II ESA field activities. GLS Utilities (GLS) and Fehr Graham completed the ground penetrating radar (GPR) survey on August 20, 2024. Fehr Graham staff were accompanied on August 21, 2024 by Geiss Soil and Samples, LLC. (Geiss), the procured drilling contractor, to conduct drilling, soil sampling, and well installation activities. Groundwater sample collection activities were completed by Fehr Graham staff on September 13, 2024 and October 4, 2024.

3.1 Utility Locate

Prior to the drilling activities, a GPR survey was completed by GLS Utilities to locate buried USTs. Fehr Graham accompanied GLS and marked out the UST locations with stakes and twine.

Soil boring locations were slightly modified from the layout presented in the proposal to account for the locations of the USTs on the Subject Property.

3.2 GPR Survey

A GPR survey was completed by GLS across all Subject Property parcels. The GPR survey was completed to identify the presence and/or any evidence of USTs or equipment for the former filling station operation and reported abandoned-in-place UST.

GLS marked out the larger anomalies identified by the GPR, larger anomalies being rip rap or other miscellaneous objects buried within the surface. GPR also identified two (2) voids, or air spaces/sinkholes present on the Subject Property. Further, the GPR survey identified as well as three (3) anomalies that are likely to be abandoned in place USTs in the vicinity of the historical filling station on the Subject Property at 700 Grand Avenue. No evidence of the abandoned in place UST identified at 814 Grand Avenue in the historical records review during the Phase I ESA was observed during the GPR survey. The findings are presented on Figure 7.

Furthermore, due to interference from the powerlines, the western boundary of the Subject Property could not be accurately screened with GPR.

3.3 Soil Investigation

A total of six (6) soil borings (SB-1 through SB-6) were advanced to assess the presence of soil contamination due to the RECs identified in the Phase I ESA. A map depicting the locations of the soil borings is included as Figure 4.

Geiss utilized a truck-mounted Geoprobe ® Model 7800 for advancing the soil borings. Soil cores generated using the Geoprobe ® were extracted using a direct push sampling system, equipped with 4-foot long, disposable polyethylene sample liner. The soil cores were field-screened for VOCs at 2-foot intervals by Fehr Graham staff with a RAE® Systems MiniRae 3000 PID equipped with a 10.6 eV lamp. The PID was calibrated to background air and 100 parts per million isobutylene prior to the commencement of daily activities. The soil cores, as extracted, were visually examined and the observations were logged by Fehr Graham staff in a field notebook. The PID readings were relatively low, with the highest readings ranging from 0.9 to 1.1 parts per million (ppm).

Five (5) soil samples were collected from soil borings SB-1 through SB-3. The soil sample intervals were selected from the upper 4 feet of the ground surface (i.e., the DC interval), from 4 to 8 feet below

ground surface, from 8 to 12 feet below ground surface, the interval above where groundwater was encountered or where the highest PID reading occurred, and at boring termination (48 feet).

Three (3) soil samples were collected from soil borings SB-4 through SB-6 from the upper 4 feet of the ground surface (i.e., the DC interval), the interval above where groundwater was encountered or where the highest PID reading occurred, and at boring termination (48 feet). Samples were submitted for laboratory analysis of the following analytical suites:

- PAHs
- VOCs
- RCRA metals
- PCBs
- Dry Weight (Percent Moisture)

Soil samples were collected into pre-cleaned laboratory-provided containers, stored in a cooler on ice for the duration of the day's activities, and relinquished under standard chain-of-custody procedures at the earliest opportunity to the laboratory.

3.4 Groundwater Investigation

All soil borings, SB-1 to SB-6, were converted to 1-inch groundwater monitoring wells. The groundwater monitoring wells were installed with 1-inch Schedule 40 PVC to 48 feet bgs with a 10-foot screen, sand pack placed around the well screen, and a bentonite seal. The chemistry results and groundwater elevations are presented in Figures 5 and 6, respectively.

Based on the soil results, groundwater samples were submitted for laboratory analysis of the following analytical suites:

- PAHs
- Lead

Groundwater was collected using a dedicated bailer for each well. A peristaltic pump with dedicated tubing and filter for each sample was used to filter the groundwater samples for lead analysis.

Groundwater samples were collected into pre-cleaned laboratory-provided containers, stored in a cooler on ice for the duration of the day's activities, and relinquished under standard chain-of-custody procedures at the earliest opportunity to the laboratory.

4.0 RESULTS

4.1 Site Geology and Hydrogeology

Regional topography was determined by review of the Wausau East and Wausau West Quadrangle Map, dated 1993. According to the topographical map reviewed, the Subject Property is approximately 1,210 feet above mean sea level (MSL). The general topography of the area displays an approximate 20-foot decrease in elevation immediately west of the Subject Property, in the direction of the west adjoining railroad, and an approximate 40-foot decrease in elevation within 650-feet southwest of the Subject Property, at the direction of the Wisconsin River. A copy of the reviewed topographical map is presented as Figure 1.

According to the United States Department of Agriculture (USDA) Web Soil Survey, the soils in the vicinity of the Subject Property are mapped as Mahtomedi loamy sand. Typically, these soils are composed of loamy sand and sand derived in outwash plains and stream terraces. These soils are generally excessively drained with slopes between 0 and 6 percent.

According to the environmental database report physical setting summary, bedrock in the general area is of the Middle Proterozoic period of the Proterozoic era. The Middle Proterozoic rocks are comprised of Syenite and associated rocks near Stettin and Wausau (Bedrock Geology of WI, UW Extension, Revised 2005). Depth to bedrock is generally 50 to 100 feet (Depth to Bedrock in Wisconsin, Geological and Natural History Survey, Compiled by L.C. Trotta and R.D. Cotter, 1973).

The depth to water is estimated to be approximately 50 feet below grade based on information from a nearby site investigation (BRRTS# 03-37-129778 Central Fire Station) and flowing to the west toward the Wisconsin River.

Based on observations made during the field activities, fill materials and surface cover consists of topsoil followed by silt, sand and gravel on occasion. Below the fill materials and surface cover, native soil consists of fine to coarse grained sand up to 48 feet below grade. Soil boring logs detailing the specific geological conditions encountered at each soil boring location are included in Appendix 2. Groundwater was encountered between 42 and 44-feet below grade.

4.2 Analytical Results

Soil and groundwater samples were submitted to Pace Analytical Services, LLC in Green Bay, Wisconsin for laboratory analysis. Soil results were compared to the non-industrial DC residual contaminant levels (RCLs), and the potential leach to groundwater pathway RCLs, as established in Chapter NR 720 of the WAC. Groundwater results were compared to the Preventive Action Limits (PAL) and Enforcement Standards (ES), as established in Chapter NR 140 of the WAC.

4.2.1 Soil Analytical Results

Analytical results indicated select parameters were detected in soil above NR 720 non-industrial DC RCLs, and the potential leach to groundwater pathway RCLs, as presented in Table A (below). A complete listing of sample results for soil, tabulated and compared to their respective NR 720 standards, are included in Tables A.2.a, A.2.b, A.2.c, and A.2.d. The laboratory report for the samples is included in Appendix 2.

Table A – Parameter Exceedances in Soil

Boring ID No.	Investigated REC(s)	Sample Depth (feet bgs)	Exceedance	General Notes
SB-1	Historical urban fill material & former filling station	0 - 4	Benzo(a)pyrene (Non-Industrial DC) Chrysene (GW Pathway) Arsenic (Non Industrial DC & GW Pathway)*	No significant PID readings or odor/staining observed
SB-2	Historical urban fill material	4 - 8	Chrysene (GW Pathway)	No significant PID readings or odor/staining observed
SB-3	Historical urban fill material	0 - 4	Arsenic (Non-Industrial DC & GW Pathway)* Lead (GW Pathway)* Mercury (GW Pathway)	No significant PID readings or odor/staining observed
SB-4	Historical urban fill material	0 - 4	Arsenic (Non-Industrial DC & GW Pathway)*	No significant PID readings or odor/staining observed
SB-5	Historical urban fill material & abandoned-in-place UST	0 - 4	Benzo(a)pyrene (Non-Industrial DC) Chrysene (GW Pathway) Arsenic (Non-Industrial DC & GW Pathway)* Barium (GW Pathway)* Lead (GW Pathway)	No significant PID readings or odor/staining observed
SB-6	Historical urban fill material	0 - 4	Benzo(a)pyrene (Non-Industrial DC) Benzo(b)fluoranthene (GW Pathway) Chrysene (GW Pathway) Arsenic (Non-Industrial DC & GW Pathway)	No significant PID readings or odor/staining observed

*Below Background Threshold Value (BTV) in soil, considered naturally occurring

4.2.2 Groundwater Analytical Results

Analytical results indicated select parameters were detected in groundwater above NR 140 PALs, as presented in Table B (below). A complete listing of sample results for groundwater, tabulated and compared to their respective NR 140 standards, are included in Tables A.1.a, A.1.b, A.1.c, and A.1.d. The laboratory report for the samples is included in Appendix 1.

Table B – Parameter Exceedances in Groundwater

Monitoring Well ID No.	Investigated REC(s)	Exceedance	General Notes
SB-1	Historical urban fill material & former filling station	Benzo(a)pyrene (PAL)	No sheens or unusual odors observed in collected groundwater.
		Benzo(b)fluoranthene (PAL)	
		Chrysene (PAL)	
SB-2	Historical urban fill material	Benzo(a)pyrene (PAL)	No sheens or unusual odors observed in collected groundwater.
		Benzo(b)fluoranthene (PAL)	
		Chrysene (PAL)	
		Lead (ES)	
SB-4	Historical urban fill material	Benzo(a)pyrene (PAL)	No sheens or unusual odors observed in collected groundwater.
		Benzo(b)fluoranthene (PAL)	
		Chrysene (PAL)	
SB-6	Historical urban fill material	Chrysene (PAL)	No sheens or unusual odors observed in collected groundwater.

5.0 DISCUSSION

5.1 Soil Exceedances

5.1.1 VOC Exceedances

No VOCs were detected at above laboratory reporting limits in any of the samples.

5.1.2 PAH Exceedances

Several PAHs in the soil within the direct contact interval (0-4 feet) were detected at concentrations exceeding the NR 720 non-industrial DC RCLs, and/or the NR 720 Groundwater Pathway RCLs of individual compounds. Only one PAH was present in one sample location (SB-2) at deeper depths, between 4 and 8 feet below grade.

The highest exceedances of PAHs were present in shallow soils from SB-6. There were no detections of PAHs in deeper soil at SB-6.

5.1.3 RCRA Metals Exceedances

Arsenic was present in shallow soil (0-4') at all but one sample location. The levels of arsenic were above both the NR 720 Non-Industrial Direct Contact and the NR 720 Groundwater Pathway RCL level for arsenic, however, all were well below the background threshold value (BTV) of 8 milligrams per kilogram (mg/kg) for arsenic and considered naturally occurring.

Barium was present in shallow soils in one location with a concentration above the NR 720 Groundwater Pathway RCL, but below the BTV of 364 mg/kg for barium and is considered naturally occurring.

Lead was present in shallow soils at two locations with concentrations exceeding the NR 720 Groundwater Pathway RCL, of which only one location, SB-5, exhibited lead at levels exceeding the BTV value of 52 mg/kg for lead. However, deeper soil at SB-5 (28 feet and 48 feet below grade) did not exhibit lead concentrations above the BTV.

SB-5 generally exhibited the highest concentrations of metals in soil compared to the other locations.

5.1.4 PCB Exceedances

No PCBs were detected above laboratory reporting limits in any of the samples.

5.2 Groundwater Exceedances

5.2.1 PAH Exceedances

Three PAH compounds, benzo(a)pyrene, benzo(b)fluoranthene, and chrysene were detected in the groundwater at three locations (SB-1, SB-2, and SB-4) and one PAH compound, chrysene, was detected at one location (SB-6) at concentrations exceeding the NR 140 PAL for each respective compound. The results for chrysene in SB-6 and benzo(a)pyrene and benzo(b)fluoranthene were J-flagged by the lab, indicating that the results were between the limit of quantification and the limit of detection. The highest concentrations of PAHs were observed in SB-2.

5.2.2 Lead Exceedances

Lead was detected at a concentration exceeding the NR 140 ES of 15 micrograms per liter (ug/L) at SB-2 with a concentration of 954 ug/L. The sample was re-run by the lab to verify the result which confirmed the initial reading. A second sample was collected, and again exhibited an ES exceedance for lead with a concentration of 343 ug/L. There were no detections of lead in the soil samples in SB-2 that exceeded

the groundwater pathway RCL or the background threshold value for lead. The results indicate that high levels of lead are present in the groundwater at that location, however not in the soil. After discussion with Wisconsin DNR, no point source was identified and the groundwater exceedance for lead at SB-2 is considered an anomaly.

5.3 Data Assessment Report/Data Validation

Soil, groundwater, and quality assurance/quality control (QA/QC) samples were received by Pace Analytical Laboratories, Inc. of Green Bay, Wisconsin on wet ice and at 4 degrees Celsius +/- 2. Submitted QA/QC samples for both soil and groundwater sampling included VOC trip blanks.

Preservative, method blanks, and laboratory control samples indicated constituent concentrations were below laboratory quantification limits. Matrix Spike/Matrix Spike Duplicate recoveries and relative percent differences were generally within the acceptable ranges.

All samples were analyzed within the respective analytical methods' maximum holding times. It was determined that the data validation results are acceptable, the analytical data is considered usable, and the project data quality needs were met for this assessment.

QA/QC sample results, including the trip blank's analytical results, are included on Table A.2.a and contained within the laboratory analytical reports included as Appendix 1.

6.0 CONCLUSIONS

The purpose of this Phase II ESA at the site, located at 700, 804, 806, 810, 814, and 816 Grand Avenue, Wausau, Wisconsin, the Subject Property, was to assess whether there has been a release of hazardous substances within the meaning of *CERCLA*, associated with the recognized environmental conditions (RECs) identified during the Phase I ESA of the Subject Property completed on December 28, 2022. We have completed the objective of this assessment and performed the Phase II ESA in conformance with the scope and limitations of ASTM Practice E1903. This assessment has revealed the following findings in connection with the Subject Property:

Historical Urban Fill Material, Historical Filling Station Operations and Potential USTs on the Subject Property

Historical urban fill material throughout the Subject Property was addressed by all boring locations to determine if releases of hazardous substances and petroleum products had occurred at the Subject Property. At borings SB-1, SB-5, and SB-6, all exceedances of PAHs and metals (above their respective background threshold values) are limited to the surficial soils (0- to 4-feet below grade) across the Subject Property at relatively low concentrations, with the exception of chrysene in SB-2 which was present at elevated levels from 4- to- 8-feet below grade. **Based on the soil and groundwater results, there is evidence of contamination from the historical urban fill material throughout the Subject Property. However, given the extent of contamination across a majority of the Subject Property, with no point source identified on the Subject Property, the PAHs and metals contamination are likely a result of urban fill present on the Subject Property and the surrounding sites.**

In addition, the historical filling operations at the Subject Property were addressed by boring location SB-1 and the potential abandoned-in-place UST was addressed by boring location SB-5 to determine if known releases of hazardous substances and petroleum products had occurred at the Subject Property. The highest concentrations of PAHs occurred in surficial soils at SB-6, the highest concentration of lead occurred in surficial soils at SB-5, and in groundwater, the highest PAH and lead concentrations occurred at SB-2. There were no exceedances of petroleum compounds at any location; thus, historical filling station operations and abandoned-in-place USTs do not appear to have impacted the soil or groundwater at the Subject Property.

Furthermore, the likely presence of abandoned USTs was addressed by the GPR survey of the Subject Property. **Based on the results of the GPR survey, the suspected abandoned-in-place UST near SB-5 was not identified; however, there were three likely USTs identified in the vicinity of the former filling station at 700 Grand Avenue portion of the Subject Property.**

7.0 RECOMMENDATIONS

Based on the results of the Phase II ESA of the property at 700, 804, 806, 810, 814, and 816 Grand Avenue, Wausau, Wisconsin, the Subject Property, Fehr Graham recommends the following:

- Fehr Graham, on behalf of the Subject Property owner (the City of Wausau), to notify the WDNR of the PAH and lead contamination detected at the Subject Property in accordance with the hazardous substance spill law, Section 292.11 (3) Wisconsin Statutes. Once notified, the WDNR will request that the necessary actions be taken to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands or waters of this state. These investigative and/or remedial actions should be performed in accordance with Chapter NR700 Wisconsin Administrative Code.

- Fehr Graham will prepare a Site Investigation Work Plan (SIWP) to address the soil contamination and UST removal through the development process and proceed with the remedial activities following DNR approval.

8.0 DISCLAIMER

This Phase II ESA was limited in scope to identify potential environmental impacts associated with the RECs identified in the Phase I ESA, dated December 28, 2022. This assessment included soil borings advanced to specific depths based on the assumed groundwater interface depth and/or field screening for any grossly contaminated soils in specific portions of the Subject Property based on the identified RECs. Sample locations were selected based upon accessibility and presumed areas where contamination would most likely be encountered, if present. A full evaluation of soil and groundwater was not performed given that media was sampled during one (1) event, and one (1) additional groundwater sample for lead at SB-2. As such, soil and groundwater have not been comprehensively characterized across the Subject Property. Furthermore, the investigation did not involve sampling or analysis of soil gas, sub-slab vapor, indoor vapor, sediment, or surface water. Soil and groundwater sample analysis was performed for only the noted parameters (VOCs, PAHs, RCRA Metals, and PCBs). Soil analytical results (if applicable) were compared to the NR 720 RCLs for Industrial DC, non-industrial DC, and the Groundwater Pathway standards. Groundwater analytical results (if applicable) were compared to the NR 140 ES and PALs for their respective analytes.

It should be understood that the sample collection for the completion of this Phase II ESA was a one-time event for soil and a two-time event for groundwater, and concentrations of contaminants have the potential to increase or decrease over time due to several unknown variables such as offsite contaminant migration, soil temperature, and moisture, variations in the groundwater table, or as a result of new releases.

The results of the investigation do not exclude the possibility of the occurrence of any environmental hazard associated with the Subject Property due to a large number of chemicals and substances that can be a threat to human health and the environment even when present in minute quantities. This assessment did not include non-scope investigations involving; asbestos-containing materials; biological agents; cultural and historic resources; health and safety; industrial hygiene; regulatory compliance; mold; lead-based paint; naturally occurring radon gas; lead in drinking water; indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment; PCB-containing building materials; ecological resources; endangered species; substances not defined as hazardous substances under CERCLA; use and production of controlled substances wetlands; or other investigations not explicitly described in this report.

9.0 REFERENCES

The following published reference sources were consulted in the preparation of this Phase I ESA:

ASTM E1903-19 Standard Practice for ESAs: Phase II ESA Process.

"Standards and Practice for All Appropriate Inquiries, Final Rule." Federal Register Vol. 70, No. 210 (01 November 2005):66070-66113.

Internet Online References:

1. Marathon County Land Information Mapping System. October 31, 2024. https://maps.co.marathon.wi.us/Html5Viewer/index.html?viewer=ExternalMapsNew

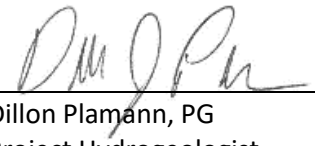
2. United States Department of Agriculture (USDA), Web Soil Survey. October 31, 2024. http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

3. Wisconsin Geological and Natural History Survey, Wisconsin Geology map. October 31, 2024. https://www.arcgis.com/apps/webappviewer/index.html?id=575c6051f36049e7a40faef99c8b655a

10.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property.

I declare that any individuals listed below who do not qualify as an Environmental Professional did so under the supervision or responsible charge of a person that meets the definition of Environmental Professional as defined in 312.10 of 40 CFR 312.



November 12, 2024

Dillon Plamann, PG
Project Hydrogeologist

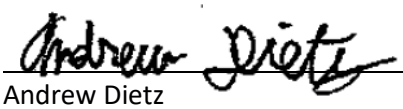
Date

Additional individuals who assisted in conducting the assessment under the supervision or responsible charge of a person meeting the definition Environmental Professional as defined in 312.10 of 40 CFR 312 include:

November 12, 2024

Kelsey Bird
Engineer

Date



November 12, 2024

Andrew Dietz
EHS Specialist

Date

11.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The qualifications of the Environmental Professionals and any other individuals responsible for conducting this Phase II ESA are in Appendix 4 along with the definition of Environmental Professional as defined in 312.10 of 40 CFR 312.

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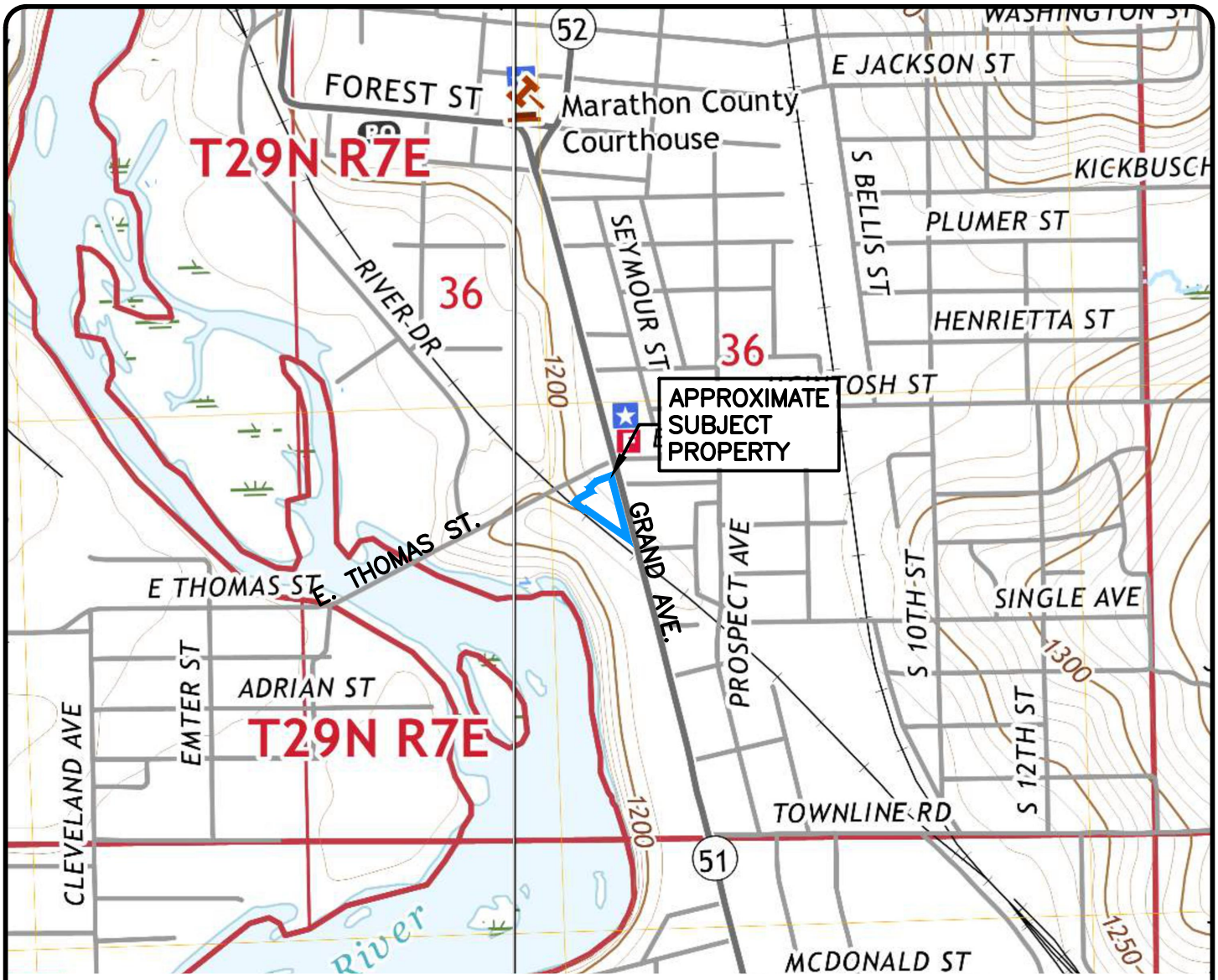
Figures



SOURCE: USGS 2022

PINS:
29129073630031
29129073630032
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1000 0 1000 FEET
GRAPHIC SCALE IN FEET

FIGURE 1
SITE VICINITY MAP
700, 804, 810, 814, 816 GRAND AVE.
WAUSAU, WI 54403

9/10/24

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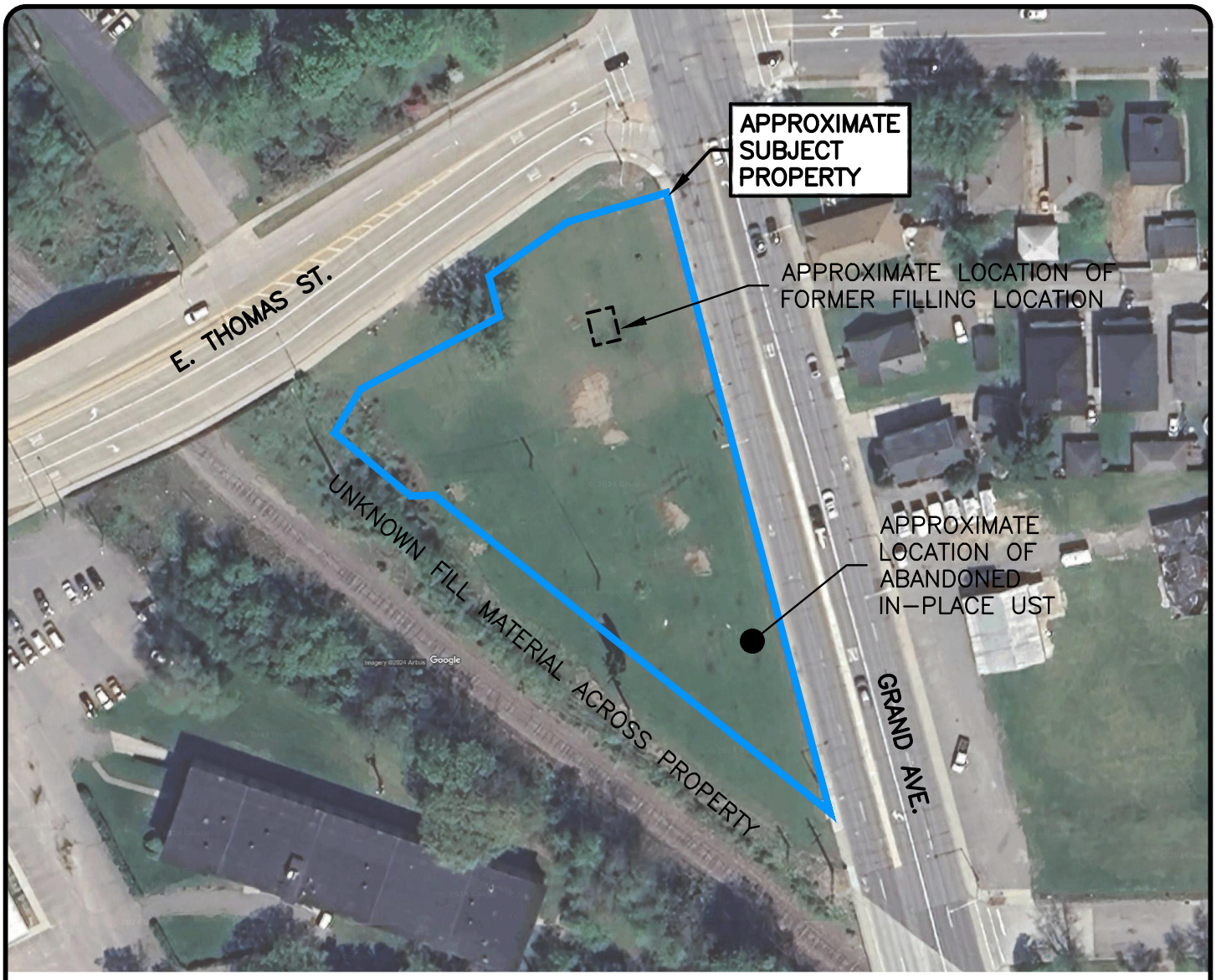
G:\C3D\24\24-1045\Exhibits\24-1045_SITE.dwg, Site Vicinity Map



SOURCE: GOOGLE EARTH

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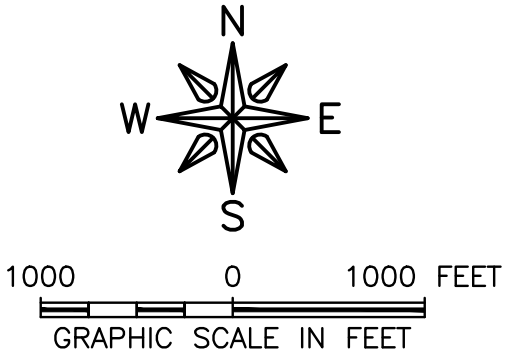

FIGURE 2

SITE LAYOUT MAP
700, 804, 810, 814, 816 GRAND AVE.
WAUSAU, WI 54403

9/10/24

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ENGINEERING & ENVIRONMENTAL
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IOWA
WISCONSIN

PLOT DATE: 9/10/24
G:\C3D\24\24-1045\Exhibits\24-1045_SITE.dwg, Site Plan

SOURCE: GOOGLE EARTH

PINS:
29129073630031
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29129073630035
29129073630033
29129073630034

FIGURE 3

SURROUNDING PROPERTIES MAP
700, 804, 810, 814,
816 GRAND AVE.
WAUSAU, WI 54403

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GRAPHIC SCALE IN FEET

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ENGINEERING & ENVIRONMENTAL

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PLOT DATE: 9/10/24
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LEGEND

BaP	BENZO(a)PYRENE
BbF	BENZO(b)FLUORENE
C	CHRYSENE
Pb	LEAD
BOLD++	EXCEEDS NON-INDUSTRIAL DIRECT CONTACT (0-4') STANDARD
ITALICS+	EXCEEDS GROUNDWATER PATHWAY STANDARD

SOIL BORING / TEMPORARY WELL LOCATION

PROPERTY LINES

NOTES:

SAMPLES REPORTED IN mg/kg

ONLY COMPOUNDS EXCEEDING STANDARDS SHOWN. REFER TO SOIL CHEMISTRY TABLES FOR COMPLETE DETAILS OF SOIL SAMPLE DEPTHS AND RESULTS.

FIGURE 4

SOIL CHEMISTRY
700, 804, 810, 814, 816 GRAND AVE.
WAUSAU, WI 54403

9/10/24

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

G:\C3D\24\24-1045\Exhibits\24-1045_SITE.dwg, Soil Chem
PLOT DATE: 9/10/24

LEGEND

- SOIL BORING / TEMPORARY WELL LOCATION
- PROPERTY LINES
- BaP BENZO(a)PYRENE
- BbF BENZO(b)FLUORENE
- C CHRYSENE
- Pb LEAD
- PAH POLYNUCLEAR AROMATIC HYDROCARBONS
- **BOLD++** EXCEEDS NR140 ENFORCEMENT STANDARD
- *ITALICS+* EXCEEDS NR140 PREVENTIVE ACTION LIMIT
- ***ITALICS/ BOLD++*** EXCEEDS BOTH NR140 ES AND PAL

NOTES:

SAMPLES REPORTED IN ug/L

ONLY COMPOUNDS EXCEEDING STANDARDS SHOWN. REFER TO GROUNDWATER CHEMISTRY TABLES FOR COMPLETE DETAILS OF RESULTS.

ONLY SB–2 RE–SAMPLED FOR LEAD

FIGURE 5

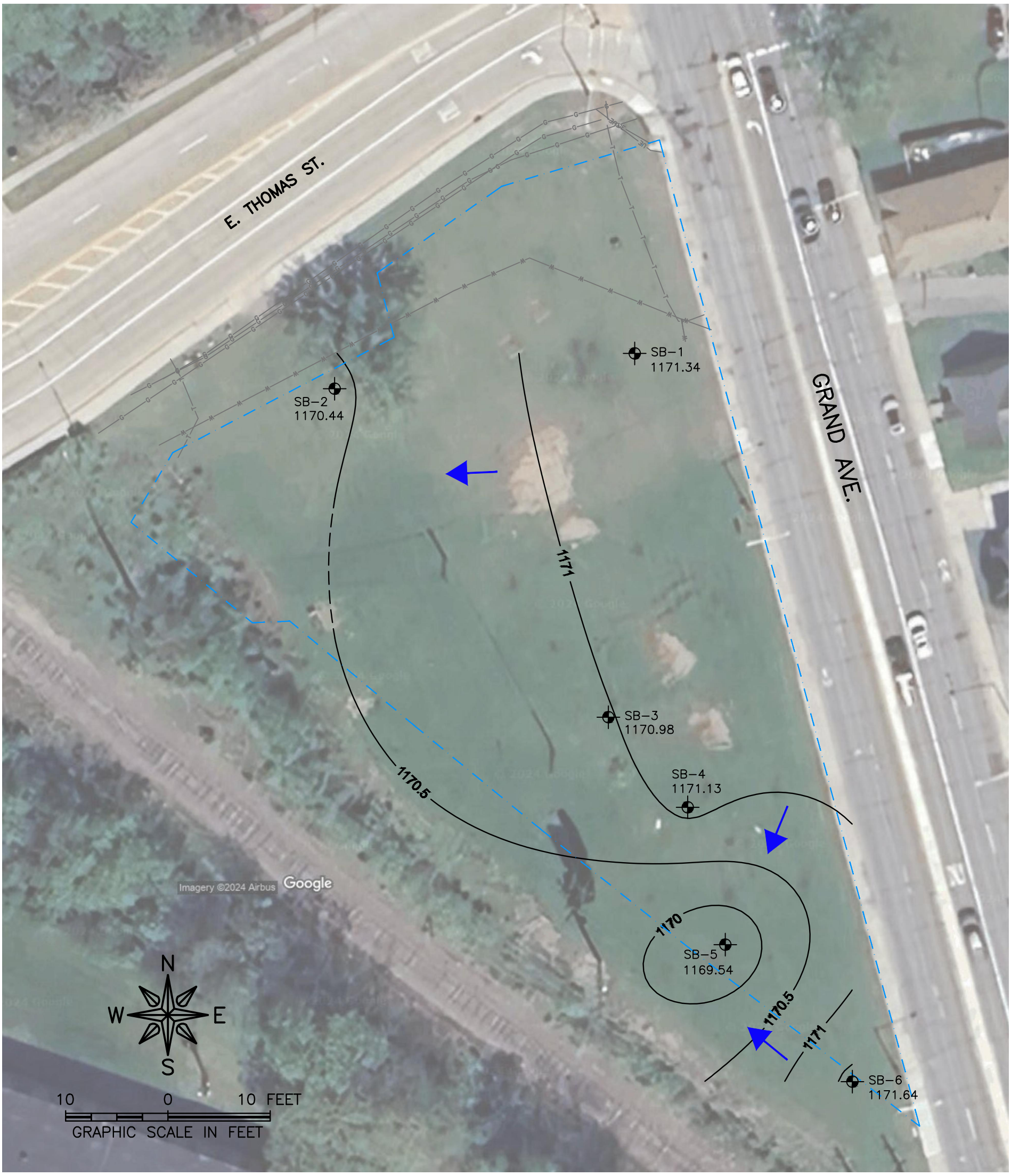
GROUNDWATER CHEMISTRY
SEPT. 13, 2024
700, 804, 810, 814, 816 GRAND AVE.
WAUSAU, WI 54403

11/1/24

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

G:\C3D\24\24–1045\Exhibits\24–1045_SITE.dwg, GW Chem_9.13.24
PLOT DATE: 11/1/24



LEGEND

- SOIL BORING / TEMPORARY WELL LOCATION
- PROPERTY LINES
- 1169.54 GROUNDWATER ELEVATION (ft/msl)
- GROUNDWATER FLOW DIRECTION

FIGURE 6

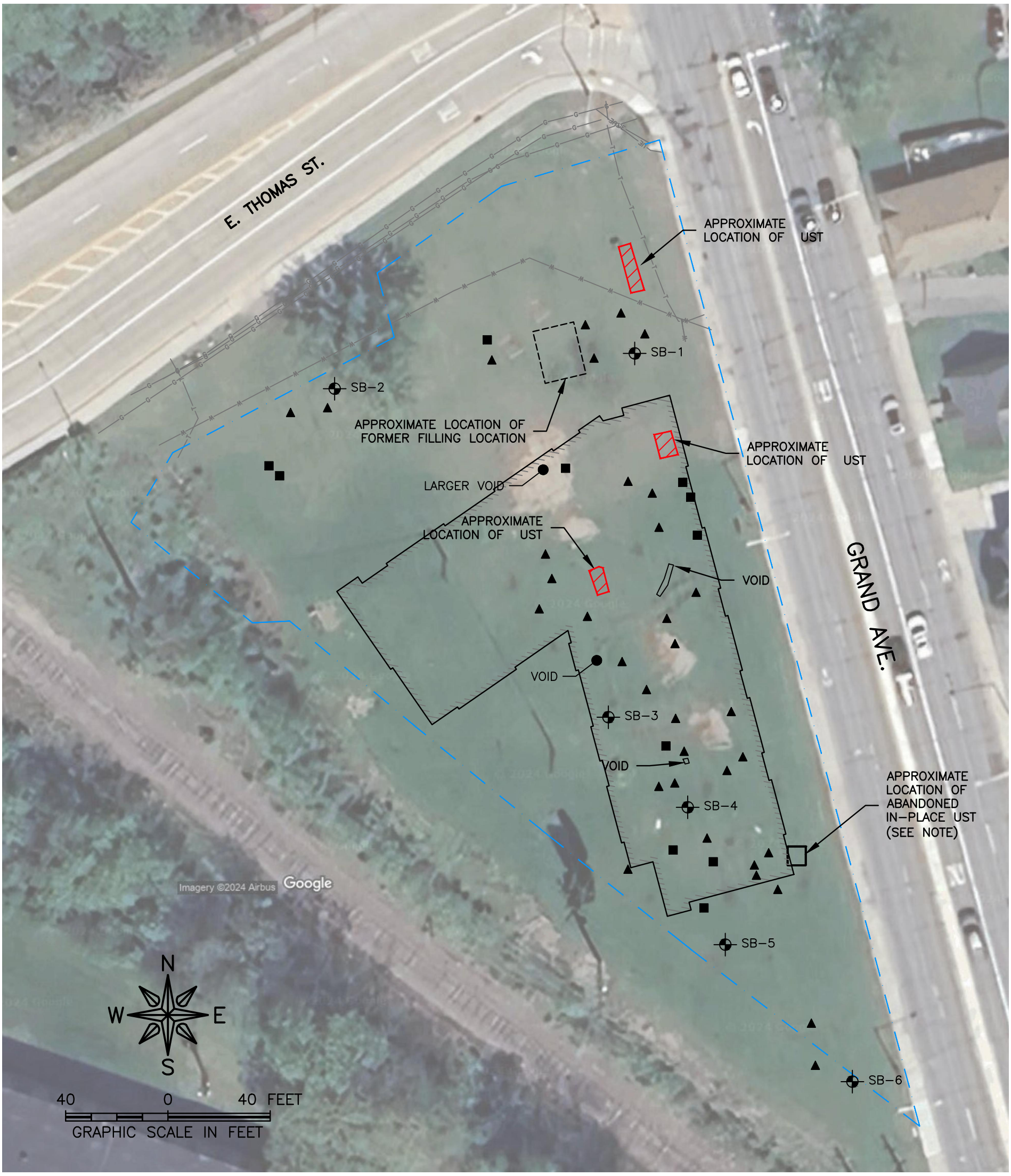
GROUNDWATER CONTOUR
SEPT. 13, 2024
700, 804, 810, 814,
816 GRAND AVE.
WAUSAU, WI 54403

11/1/24

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

G:\C3D\24\24–1045\Exhibits\24–1045_SITE.dwg, GW Elev_9.13.24
PLOT DATE: 11/1/24



LEGEND

- SOIL BORING / TEMPORARY WELL LOCATION
- ▲ ANOMALIES
- ■ LARGER ANOMALIES
- PROPERTY LINES

NOTE:

APPROXIMATE LOCATION BASED ON REC IDENTIFIED AS PART OF THE PHASE I ENVIRONMENTAL SITE ASSESSMENT (DEC. 28, 2022). PHYSICAL LOCATION NOT VERIFIED BY GPR SURVEY

FIGURE 7

SITE PLAN WITH GPR RESULTS
700, 804, 810, 814, 816 GRAND AVE.
WAUSAU, WI 54403

11/8/24

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

G:\C3D\24\24–1821\Exhibits\24–1821_SITE.dwg, GPR
PLOT DATE: 11/8/24

Tables

Table A.1.b
Groundwater Analytical Table - PAH
Commonwealth--Wausau
700, 804, 810, 814, and 816 Grand Avenue, Wausau, WI 54403

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6
Date				9/13/24	9/13/24	9/13/24	9/13/24	9/13/24	9/13/24
Groundwater Elevation				1171.34	1170.44	1170.98	1171.13	1169.54	1171.64
Notes									
Acenaphthene	(µg/L)	NS	NS	<0.013	<0.014	<0.012	0.016 J	<0.013	<0.013
Acenaphthylene	(µg/L)	NS	NS	<0.011	0.018 J	<0.011	<0.012	<0.012	<0.012
Anthracene	(µg/L)	*600*	**3,000**	0.034 J	0.084	0.020 J	0.077	0.030 J	0.086
Benzo(a)anthracene	(µg/L)	NS	NS	0.082	0.12	<0.012	0.024 J	<0.013	<0.013
Benzo(a)pyrene	(µg/L)	*0.02*	**0.2**	*0.070*	*0.099*	<0.011	*0.023 J*	<0.012	<0.012
Benzo(b)fluoranthene	(µg/L)	*0.02*	**0.2**	*0.12*	*0.15*	<0.0081	*0.042 J*	<0.0084	0.011 J
Benzo(g,h,i)perylene	(µg/L)	NS	NS	0.053	0.066	<0.021	<0.022	<0.021	<0.022
Benzo(k)fluoranthene	(µg/L)	NS	NS	0.05	0.062	<0.020	<0.021	<0.021	<0.021
Chrysene	(µg/L)	*0.02*	**0.2**	*0.12*	*0.15*	0.013 J	*0.060*	<0.012	*0.047 J*
Dibenzo(a,h)anthracene	(µg/L)	NS	NS	<0.016	<0.017	<0.016	<0.017	<0.016	<0.017
Fluoranthene	(µg/L)	*80*	**400**	0.19	0.47	<0.023	0.047 J	<0.024	<0.025
Fluorene	(µg/L)	*80*	**400**	<0.021	<0.023	<0.021	<0.022	<0.022	<0.022
Indeno(123-cd)pyrene	(µg/L)	NS	NS	0.036 J	0.047 J	<0.014	0.015 J	<0.014	<0.015
1-Methylnaphthalene	(µg/L)	NS	NS	<0.016	<0.017	<0.016	0.030 J	<0.016	<0.017
2-Methylnaphthalene	(µg/L)	NS	NS	<0.013	<0.013	<0.012	<0.013	<0.013	<0.013
Naphthalene	(µg/L)	*10*	**100**	<0.018	<0.019	<0.018	0.075	<0.018	<0.019
Phenanthrene	(µg/L)	NS	NS	0.031 J	0.14	<0.023	0.031 J	<0.024	<0.024
Pyrene	(µg/L)	*50*	**250**	0.15	0.34	<0.020	0.044 J	<0.021	<0.021

Notes:

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
ITALICS/BOLD indicates exceedance of BOTH NR 140.10 Preventive Action Limit & Enforcement Standards
NS = No standard established
-- = Parameter not analyzed or reported
J = Estimated concentration at or above limit of detection & limit of quantification

Table A.1.c
Groundwater Analytical Table - Lead
Commonwealth--Wausau
700, 804, 810, 814, and 816 Grand Avenue, Wausau, WI 54403

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SB-1	SB-2			SB-3	SB-4	SB-5	SB-6
Date				9/13/24	9/13/24		10/4/24	9/13/24	9/13/24	9/13/24	9/13/24
Groundwater Elevation				1171.34	1170.44		--	1170.98	1171.13	1169.54	1171.64
Notes											
						Re-run					
Lead, Dissolved	(ug/L)	*1.5*	**15**	<0.24	***954***	***949***	***343***	0.26 J	<0.24	<0.24	<0.24

Notes:

ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard
ITALICS/BOLD indicates exceedance of BOTH NR 140.10 Preventive Action Limit & Enforcement Standards
J = Estimated concentration at or above limit of detection & limit of quantification

Table A.2.a
Soil Analytical Results Table - VOCs
Commonwealth--Wausau
700, 804, 810, 814, and 816 Grand Avenue, Wausau, WI 54403

Sample ID		Non-Industrial Direct-Contact (0-4') RCL	Industrial Direct-Contact (0-4') RCL	Groundwater Pathway RCL	SB-1					SB-2					SB-3				
Date					8/21/24					8/21/24					8/21/24				
Depth					0-4'	4-8'	8-12'	38-40'	48'	0-4'	4-8'	8-12'	40-42'	48'	0-4'	4-8'	8-12'	40'	48'
Description					Sandy Silt	Sand	Sand	Sand	Sand	Sand & Silt	Sand	Sand	Sand	Sand	Sandy Silt	Sand	Sand	Sand	Sand
DEPTH to Seasonal Low Water Table (ft BGS)							44'					44'					44'		
Saturated (S) or Unsaturated (U)					U	U	U	U	S	U	U	U	U	S	U	U	U	U	S
PID Reading					0.5	0.9	0.1	0.4	0.0	0.2	0.1	0.0	0.2	0.0	0.3	0.3	0.4	0.5	0.4
Soil Remaining																			
Notes																			
		RCL																	
Benzene	(mg/kg)	**1.6**	**7.1**	*0.0052*	<0.0136	<0.0128	<0.0129	<0.0125	<0.0159	<0.0137	<0.0133	<0.0125	<0.0124	<0.0153	<0.0140	<0.0135	<0.0131	<0.0121	<0.0141
Bromobenzene	(mg/kg)	**342**	**679**	NS	<0.0223	<0.0209	<0.0211	<0.0206	<0.0260	<0.0225	<0.0218	<0.0205	<0.0204	<0.0250	<0.0229	<0.0221	<0.0215	<0.0198	<0.0231
Bromochloromethane	(mg/kg)	**216**	**906**	NS	<0.0157	<0.0147	<0.0149	<0.0144	<0.0183	<0.0158	<0.0153	<0.0144	<0.0143	<0.0176	<0.0161	<0.0155	<0.0151	<0.0139	<0.0162
Bromodichloromethane	(mg/kg)	**0.42**	**1.8**	*0.0004*	<0.0136	<0.0128	<0.0129	<0.0125	<0.0159	<0.0137	<0.0133	<0.0125	<0.0124	<0.0153	<0.0140	<0.0135	<0.0131	<0.0121	<0.0141
Bromoform	(mg/kg)	**25.4**	**113**	*0.0024*	<0.252	<0.236	<0.239	<0.232	<0.294	<0.254	<0.246	<0.231	<0.230	<0.282	<0.258	<0.249	<0.243	<0.224	<0.260
Bromomethane	(mg/kg)	**9.6**	**43**	*0.005*	<0.0802	<0.0753	<0.0760	<0.0739	<0.0936	<0.0808	<0.0785	<0.0737	<0.0733	<0.0899	<0.0823	<0.0794	<0.0773	<0.0712	<0.0830
n-Butylbenzene	(mg/kg)	**108**	**108**	NS	<0.0262	<0.0246	<0.0248	<0.0241	<0.0306	<0.0264	<0.0257	<0.0241	<0.0239	<0.0294	<0.0269	<0.0259	<0.0253	<0.0233	<0.0271
sec-Butylbenzene	(mg/kg)	**145**	**145**	NS	<0.0196	<0.0184	<0.0186	<0.0181	<0.0229	<0.0198	<0.0192	<0.0181	<0.0179	<0.0220	<0.0202	<0.0194	<0.0189	<0.0174	<0.0203
tert-Butylbenzene	(mg/kg)	**183**	**183**	NS	<0.0180	<0.0169	<0.0170	<0.0166	<0.0210	<0.0181	<0.0176	<0.0165	<0.0164	<0.0201	<0.0184	<0.0178	<0.0173	<0.0160	<0.0186
Carbon Tetrachloride	(mg/kg)	**0.92**	**4**	*0.0038*	<0.0126	<0.0118	<0.0119	<0.0116	<0.0147	<0.0127	<0.0123	<0.0116	<0.0115	<0.0141	<0.0129	<0.0125	<0.0121	<0.0112	<0.0130
Chlorobenzene	(mg/kg)	**370**	**761**	*0.14*	<0.0069	<0.0064	<0.0065	<0.0063	<0.0080	<0.0069	<0.0067	<0.0063	<0.0063	<0.0077	<0.0070	<0.0068	<0.0066	<0.0061	<0.0071
Chloroethane	(mg/kg)	**2,120**	**2,120**	*0.23*	<0.0241	<0.0227	<0.0229	<0.0222	<0.0282	<0.0243	<0.0236	<0.0222	<0.0221	<0.0271	<0.0248	<0.0239	<0.0233	<0.0214	<0.0250
Chloroform	(mg/kg)	**0.45**	**2**	*0.0034*	<0.0410	<0.0385	<0.0388	<0.0377	<0.0478	<0.0413	<0.0401	<0.0377	<0.0374	<0.0459	<0.0421	<0.0406	<0.0395	<0.0364	<0.0424
Chloromethane	(mg/kg)	**159**	**669**	*0.016*	<0.0217	<0.0204	<0.0206	<0.0200	<0.0254	<0.0219	<0.0213	<0.0200	<0.0199	<0.0244	<0.0223	<0.0215	<0.0210	<0.0193	<0.0225
2-Chlorotoluene	(mg/kg)	**907**	**907**	NS	<0.0185	<0.0174	<0.0176	<0.0171	<0.0216	<0.0187	<0.0181	<0.0170	<0.0169	<0.0208	<0.0190	<0.0184	<0.0179	<0.0165	<0.0192
4-Chlorotoluene	(mg/kg)	**253**	**253**	NS	<0.0217	<0.0204	<0.0206	<0.0200	<0.0254	<0.0219	<0.0213	<0.0200	<0.0199	<0.0244	<0.0223	<0.0215	<0.0210	<0.0193	<0.0225
1,2-Dibromo-3-chloropropane	(mg/kg)	**0.008**	**0.092**	*0.0002*	<0.0444	<0.0417	<0.0421	<0.0409	<0.0518	<0.0447	<0.0435	<0.0408	<0.0406	<0.0498	<0.0456	<0.0440	<0.0428	<0.0394	<0.0459
Dibromochloromethane	(mg/kg)	**8.3**	**38.9**	*0.032*	<0.196	<0.184	<0.185	<0.180	<0.228	<0.197	<0.191	<0.180	<0.179	<0.219	<0.201	<0.194	<0.189	<0.174	<0.202
1,2-Dibromoethane (EDB)	(mg/kg)	**0.05**	**0.221**	*0.000028*	<0.0157	<0.0147	<0.0149	<0.0144	<0.0183	<0.0158	<0.0153	<0.0144	<0.0143	<0.0176	<0.0161	<0.0155	<0.0151	<0.0139	<0.0162
Dibromomethane	(mg/kg)	**34**	**143**	NS	<0.0169	<0.0159	<0.0161	<0.0156	<0.0198	<0.0171	<0.0166	<0.0156	<0.0155	<0.0190	<0.0174	<0.0168	<0.0163	<0.0150	<0.0175
1,2-Dichlorobenzene	(mg/kg)	**376**	**376**	*1.2*	<0.0177	<0.0167	<0.0168	<0.0163	<0.0207	<0.0179	<0.0174	<0.0163	<0.0162	<0.0199	<0.0182	<0.0176	<0.0171	<0.0157	<0.0183
1,3-Dichlorobenzene	(mg/kg)	**297**	**297**	*1.2*	<0.0157	<0.0147	<0.0149	<0.0144	<0.0183	<0.0158	<0.0153	<0.0144	<0.0143	<0.0176	<0.0161	<0.0155	<0.0151	<0.0139	<0.0162
1,4-Dichlorobenzene	(mg/kg)	**3.7**	**16.4**	*0.14*	<0.0157	<0.0147	<0.0149	<0.0144	<0.0183	<0.0158	<0.0153	<0.0144	<0.0143	<0.0176	<0.0161	<0.0155	<0.0151	<0.0139	<0.0162
Dichlorodifluoromethane	(mg/kg)	**126**	**530**	*3.1*	<0.0246	<0.0231	<0.0233	<0.0227	<0.0287	<0.0248	<0.0241	<0.0226	<0.0225	<0.0276	<0.0253	<0.0244	<0.0237	<0.0218	<0.0255
1,1-Dichloroethane	(mg/kg)	**5.1**	**22.2**	*0.48*	<0.0146	<0.0137	<0.0139	<0.0135	<0.0171	<0.0148	<0.0143	<0.0135	<0.0134	<0.0164	<0.0150	<0.0145	<0.0141	<0.0130	<0.0152
1,2-Dichloroethane	(mg/kg)	**0.65**	**2.9**	*0.0028*	<0.0132	<0.0124	<0.0125	<0.0121	<0.0154	<0.0133	<0.0129	<0.0121	<0.0120	<0.0147	<0.0135	<0.0130	<0.0127	<0.0117	<0.0136
1,1-Dichloroethene	(mg/kg)	**320**	**1,190**	*0.005*	<0.0190	<0.0178	<0.0180	<0.0175	<0.0222	<0.0191	<0.0186	<0.0175	<0.0174	<0.0213	<0.0195	<0.0188	<0.0183	<0.0169	<0.0196
cis-1,2-Dichloroethene	(mg/kg)	**156**	**2,340**	*0.041*	<0.0122	<0.0115	<0.0116	<0.0113	<0.0143	<0.0123	<0.0120	<0.0113	<0.0112	<0.0137	<0.0126	<0.0121	<0.0118	<0.0109	<0.0127
trans-1,2-Dichloroethene	(mg/kg)	**1,560**	**1,850**	*0.063*	<0.0125	<0.0117	<0.0119	<0.0115	<0.0146	<0.0126	<0.0122	<0.0115	<0.0114	<0.0140	<0.0128	<0.0124	<0.0121	<0.0111	<0.0129
1,2-Dichloropropane	(mg/kg)	**3.4**	**15**	*0.0033*	<0.0136	<0.0128	<0.0129	<0.0125	<0.0159	<0.0137	<0.0133	<0.0125	<0.0124	<0.0153	<0.0140	<0.0135	<0.0131	<0.0121	<0.0141
1,3-Dichloropropane	(mg/kg)	**1,490**	**1,490**	NS	<0.0125	<0.0117	<0.0118	<0.0115	<0.0146	<0.0126	<0.0122	<0.0115	<0.0114	<0.0140	<0.0128	<0.0124	<0.0120	<0.0111	<0.0129
2,2-Dichloropropane	(mg/kg)	**191**	**191**	NS	<0.0154	<0.0145	<0.0146	<0.0142	<0.0180	<0.0156	<0.0151	<0.0142	<0.0141	<0.0173	<0.0159	<0.0153	<0.0149	<0.0137	<0.0160
1,1-Dichloropropene	(mg/kg)	NS	NS	NS	<0.0185	<0.0174	<0.0176	<0.0171	<0.0216	<0.0187	<0.0181	<0.0170	<0.0169	<0.0208	<0.0190	<0.0184	<0.0179	<0.0165	<0.0192
cis-1,3-Dichloropropene	(mg/kg)	**1,210**	**1,210**	*0.0003*	<0.0378	<0.0354	<0.0358	<0.0348	<0.0441	<0.0380	<0.0370	<0.0347	<0.0345	<0.0423	<0.0388	<0.0374	<0.0364	<0.0335	<0.0391
trans-1,3-Dichloropropene	(mg/kg)	**1,510**	**1,510**	*0.0003*	<0.164	<0.154	<0.155	<0.151	<0.191	<0.165	<0.160	<0.150	<0.149	<0.183	<0.168	<0.162	<0.158	<0.145	<0.169
Diisopropyl ether	(mg/kg)	**2,260**	**2,260**	NS	<0.0142	<0.0133	<0.0134	<0.0131	<0.0166	<0.0143	<0.0139	<0.0130	<0.0130	<0.0159	<0.0146	<0.0141	<0.0137	<0.0126	<0.0147
Ethylbenzene	(mg/kg)	**8**	**35**	*1.6*	<0.0136	<0.0128	<0.0129	<0.0125	<0.0159	<0.0137	<0.0133	<0.0125	<0.0124	<0.0153	<0.0140	<0.0135	<0.0131	<0.0121	<0.0141
Hexachloro-1,3-butadiene	(mg/kg)	**1.6**	**7.2**	NS	<0.114	<0.107	<0.108	<0.105	<0.133	<0.115	<0.111	<0.105	<0.104	<0.127	<0.117	<0.113	<0.110	<0.101	<0.118
Isopropylbenzene	(mg/kg)	**268**	**268**	NS	<0.0154	<0.0145	<0.0146	<0.0142	<0.0180	<0.0156	<0.0151	<0.0142	<0.0141	<0.0173	<0.0159	<0.0153	<0.0149	<0.0137	<0.0160
p-Isopropyltoluene	(mg/kg)	**162**	**162**	NS	<0.0194	<0.0183	<0.0184	<0.0179	<0.0227	<0.0196	<0.0190	<0.0179	<0.0178	<0.0218	<0.0200	<0.0193	<0.0188	<0.0173	<0.0201
Methylene Chloride	(mg/kg)	**61.8**	**1,150**	*0.0026*	<0.0159	<0.0149	<0.0151	<0.0147	<0.0186	<0.0160	<0.0156	<0.0146	<0.0145	<0.0178	<0.0163	<0.0158	<0.0153	<0.0141	<0.0165
MTBE	(mg/kg)	**63.8**	**282**	*0.027*	<0.0168	<0.0158	<0.0159	<0.0155	<0.0196	<0.0169	<0.0165	<0.0155	<0.0154	<0.0189	<0.0173	<0.0167	<0.0162	<0.0149	<0.0174
Naphthalene	(mg/kg)	**5.5**	**24.1**	*0.66*	<0.0241	<0.0226	<0.0228	<0.0222	<0.0281	<0.0242	<0.0236	<0.0221	<0.0220	<0.0270	<0.0247	<0.0238	<0.0232	<0.0214	<0.0249
n-Propylbenzene	(mg/kg)	**264**	**264**	NS	<0.0137	<0.0129	<0.0130	<0.0127	<0.0160	<0.0138	<0.0134	<0.0126	<0.0125	<0.0154	<0.0141	<0.0136	<0.0132	<0.0122	<0.0142
Styrene	(mg/kg)	**867**	**867**	*0.22*	<0.0146	<0.0137	<0.0139	<0.0135	<0.0171	<0.0148	<0.0143	<0.0135	<0.0134	<0.0164	<0.0150	<0.0145	<0.0141	<0.0130	<0.0152
1,1,1,2-Tetrachloroethane	(mg/kg)	**2.8**	**12.3**	*0.053*	<0.0137	<0.0129	<0.0130	<0.0126	<0.0160	<0.0138	<0.0134	<0.0126	<0.0125	<0.0154	<0.0141	<0.0136	<0.0132	<0.0122	<0.0142
1,1,2,2-Tetrachloroethane	(mg/kg)	**0.81**	**3.6**	*0.0002*	<0.0207	<0.0194	<0.0196	<0.0191	<0.0242	<0.0209	<0.0203	<0.0190	<0.0189	<0.0232	<0.0213	<0.0205	<0.0200	<0.0184	<0.0214
Tetrachloroethene (PCE)	(mg/kg)	**33**	**145**	*0.0046*	<0.0222	<0.0208	<0.0210	<0.0205	<0.0259	<0.0224	<0.0217	<0.0204	<0.0203	<0.0249	<0.0228	<0.0220	<0.0214	<0.0197	<0.0230
Toluene	(mg/kg)	**818**	**818**	*1.1*	<0.0144	<0.0135	<0.0137	<0.0133	<0.0168	<0.0145	<0.0141	<0.0133	<0.0132	<0.0162	<0.0148	<0.0143	<0.0139	<0.0128	<0.0149
1,2,3-Trichlorobenzene	(mg/kg)	**62.6**	**934**	NS	<0.0637	<0.0598	<0.0604	<0.0587	<0.0744	<0.0642	<0.0624	<0.0586	<0.0582	<0.0714	<0.0654	<0.0631	<0.0614	<0.0566	<0.0659
1,2,4-Trichlorobenzene	(mg/kg)	**24**	**113**	*0.41*	<0.0471	<0.0443	<0.0447	<0.0434	<0.0550	<0.0475	<0.0462	<0.0433	<0.0431	<0.0528	<0.0484	<0.0467	<0.0454	<0.0419	<0.0488
1,1,1-Trichlorethane	(mg/kg)	**640**	**640**	*0.14*	<0.0146	<0.0137	<0.0139	<0.0135	<0.0171	<0.0148	<0.0143	<0.0135	<0.0134	<0.0164	<0.0150	<0.0145	<0.0141	<0.0130	<0.0152
1,1,2-Trichlorethane	(mg/kg)	**1.6**	**7**	*0.0032*	<0.0208	<0.0196	<0.0197	<0.0192	<0.0243	<0.0210	<0.0204	<0.0191	<0.0190	<0.0233	<0.0214	<0.0206	<0.0201	<0.0185	<0.0215
Trichloroethene (TCE)	(mg/kg)	**1.3**	**8.4**	*0.0036*	<0.0214	<0.0201	<0.0203	<0.0197	<0.0250	<0.0216	<0.0209	<0.0197	<0.0195	<0.0240	<0.0220	<0.0212	<0.0206	<0.0190	<0.0221
Trichlorofluoromethane	(mg/kg)	**1,120**	**1,230**	*4.5*	<0.0166	<0.0156	<0.0157	<0.0153	<0.0194	<0.0167	<0.0162	<0.0153	<0.0152	<0.0186	<0.0170	<0.0164	<0.0160	<0.0147	<0.0172
1,2,3-Trichloropropane	(mg/kg)	**0.005**	**0.11**	*0.052*	<0.0278	<0.0261	<0.0264	<0.0256	<0.0324	<0.0280	<0.0272	<0.0256	<0.0254	<0.0312	<0.0285	<0.0275	<0.0268	<0.0247	<0.0288
1,2,4-Trimethylbenzene	(mg/kg)	**219**	**219**	NS	<0.0170	<0.0160	<0.0162	<0.0157	<0.0199	<0.0172	<0.0167	<0.0157	<0.0156	<0.0191	<0.0175	<0.0169	<0.0164	<0.0151	<0.0176
1,3,5-Trimethylbenzene	(mg/kg)	**182**	**182**	NS	<0.0184	<0.0173	<0.0175	<0.0170	<0.0215	<0.0186	<0.0180	<0.0169	<0.0168	<0.0206	<0.0189	<0.0182	<0.0178	<0.0164	<0.0191
Vinyl Chloride	(mg/kg)	**0.067**	**2.1**	*0.00014*	<0.0116	<0.0108	<0.0110	<0.0106	<0.0135	<0.0116	<0.0113	<0.0106	<0.0106	<0.0130	<0.0119	<0.0114	<0.0111	<0.0103	<0.0120
Xylenes (TOTAL)	(mg/kg)	**260**	**260**	*4*	<0.0413	<0.0388	<0.0392	<0.0381	<0.0482	<0.0416	<0.0404	<0.0380	<0.0377	<0.0463	<0.0424	<0.0409	<0.0398	<0.0367	<0.0427
m&p-Xylene	(mg/kg)	**778**	**778**	NS	<0.0241	<0.0227	<0.0229	<0.0222	<0.0282	<0.0243	<0.0236	<0.0222	<0.0221	<0.0271	<0.0248	<0.0239	<0.0233	<0.0214	<0.0250
o-Xylene	(mg/kg)	**434**	**434**	NS	<0.0172	<0.0161	<0.0163	<0.0158	<0.0200	<0.0173	<0.0168	<0.0158	<0.0157	<0.0192	<0.0176	<0.0170	<0.0165	<0.0152	<0.0178
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(mg/kg)	NS	NS	*1.38*	<0.0354	<0.0333	<0.0337	<0.0327	<0.0414	<0.0358	<0.0347	<0.0326	<0.0324	<0.0397	<0.0364	<0.351	<0.0342	<0.0315	<0.0367

Exceedance Highlights:
BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.
Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
J = Estimated concentration at or above limit of detection & limit of quantification
NS = No standard established
-- = Parameter not analyzed or reported
ND = No Detection
RCL = Residual Contaminant Level

Table A.2.a
Soil Analytical Results Table - VOCs
Commonwealth--Wausau
700, 804, 810, 814, and 816 Grand Avenue, Wausau, WI 54403

Sample ID		**Non-Industrial** Direct-Contact (0-4') RCL	**Industrial** Direct-Contact (0-4') RCL	Groundwater Pathway RCL	SB-4			SB-5			SB-6			Trip Blank
Date					8/21/24			8/21/24			8/21/24			8/21/24
Depth					0-4'	30'	48'	0-4'	28'	48'	0-4'	8'	48'	--
Description					Silt	Sand	Sand	Silt	Sand	Sand	Sandy Silt	Sand	Sand	--
DEPTH to Seasonal Low Water Table (ft BGS)					44'			44'			44'			--
Saturated (S) or Unsaturated (U)					U	U	S	U	U	S	U	U	S	--
PID Reading					0.5	1.1	0.9	0.3	0.7	0.5	0.2	0.3	0.1	--
Soil Remaining														
Notes														
Benzene	(mg/kg)	**1.6**	**7.1**	*0.0052*	<0.0142	<0.0127	<0.0157	<0.0146	<0.0123	<0.0164	<0.0148	<0.0132	<0.0158	<0.0119
Bromobenzene	(mg/kg)	**342**	**679**	NS	<0.0232	<0.0208	<0.0257	<0.0239	<0.0202	<0.0269	<0.0243	<0.0216	<0.0259	<0.0195
Bromochloromethane	(mg/kg)	**216**	**906**	NS	<0.0163	<0.0146	<0.0181	<0.0168	<0.0142	<0.0189	<0.0171	<0.0152	<0.0182	<0.0137
Bromodichloromethane	(mg/kg)	**0.42**	**1.8**	*0.0004*	<0.0142	<0.0127	<0.0157	<0.0146	<0.0123	<0.0164	<0.0148	<0.0132	<0.0158	<0.0119
Bromoform	(mg/kg)	**25.4**	**113**	*0.0024*	<0.262	<0.235	<0.290	<0.270	<0.228	<0.304	<0.274	<0.244	<0.292	<0.220
Bromomethane	(mg/kg)	**9.6**	**43**	*0.005*	<0.0836	<0.0749	<0.0924	<0.0859	<0.0726	<0.0968	<0.0873	<0.0777	<0.0929	<0.0701
n-Butylbenzene	(mg/kg)	**108**	**108**	NS	<0.0273	<0.0245	<0.0302	<0.0281	<0.0237	<0.0316	<0.0285	<0.0254	<0.0304	<0.0229
sec-Butylbenzene	(mg/kg)	**145**	**145**	NS	<0.0205	<0.0183	<0.0226	<0.0210	<0.0178	<0.0237	<0.0214	<0.0190	<0.0228	<0.0172
tert-Butylbenzene	(mg/kg)	**183**	**183**	NS	<0.0187	<0.0168	<0.0207	<0.0192	<0.0163	<0.0217	<0.0195	<0.0174	<0.0208	<0.0157
Carbon Tetrachloride	(mg/kg)	**0.92**	**4**	*0.0038*	<0.0131	<0.0118	<0.0145	<0.0135	<0.0114	<0.0152	<0.0137	<0.0122	<0.0146	<0.0110
Chlorobenzene	(mg/kg)	**370**	**761**	*0.14*	<0.0071	<0.0064	<0.0079	<0.0073	<0.0062	<0.0083	<0.0075	<0.0066	<0.0079	<0.0060
Chloroethane	(mg/kg)	**2,120**	**2,120**	*0.23*	<0.0252	<0.0225	<0.0278	<0.0259	<0.0219	<0.0291	<0.0263	<0.0234	<0.0280	<0.0211
Chloroform	(mg/kg)	**0.45**	**2**	*0.0034*	<0.0427	<0.0383	<0.0472	<0.0439	<0.0371	<0.0494	<0.0446	<0.0397	<0.0475	<0.0358
Chloromethane	(mg/kg)	**159**	**669**	*0.016*	<0.0227	<0.0203	<0.0251	<0.0233	<0.0197	<0.0262	<0.0237	<0.0210	<0.0252	<0.0190
2-Chlorotoluene	(mg/kg)	**907**	**907**	NS	<0.0193	<0.0173	<0.0214	<0.0199	<0.0168	<0.0224	<0.0202	<0.0179	<0.0215	<0.0162
4-Chlorotoluene	(mg/kg)	**253**	**253**	NS	<0.0227	<0.0203	<0.0251	<0.0233	<0.0197	<0.0262	<0.0237	<0.0210	<0.0252	<0.0190
1,2-Dibromo-3-chloropropane	(mg/kg)	**0.008**	**0.092**	*0.0002*	<0.0463	<0.0415	<0.0512	<0.0476	<0.0402	<0.0536	<0.0483	<0.0430	<0.0514	<0.0388
Dibromochloromethane	(mg/kg)	**8.3**	**38.9**	*0.032*	<0.204	<0.183	<0.225	<0.210	<0.177	<0.236	<0.213	<0.189	<0.227	<0.171
1,2-Dibromoethane (EDB)	(mg/kg)	**0.05**	**0.221**	*0.000028*	<0.0163	<0.0146	<0.0181	<0.0168	<0.0142	<0.0189	<0.0171	<0.0152	<0.0182	<0.0137
Dibromomethane	(mg/kg)	**34**	**143**	NS	<0.0176	<0.0158	<0.0195	<0.0181	<0.0153	<0.0204	<0.0184	<0.0164	<0.0196	<0.0148
1,2-Dichlorobenzene	(mg/kg)	**376**	**376**	*1.2*	<0.0185	<0.0166	<0.0204	<0.0190	<0.0161	<0.0214	<0.0193	<0.0172	<0.0206	<0.0155
1,3-Dichlorobenzene	(mg/kg)	**297**	**297**	*1.2*	<0.0163	<0.0146	<0.0181	<0.0168	<0.0142	<0.0189	<0.0171	<0.0152	<0.0182	<0.0137
1,4-Dichlorobenzene	(mg/kg)	**3.7**	**16.4**	*0.14*	<0.0163	<0.0146	<0.0181	<0.0168	<0.0142	<0.0189	<0.0171	<0.0152	<0.0182	<0.0137
Dichlorodifluoromethane	(mg/kg)	**126**	**530**	*3.1*	<0.0256	<0.0230	<0.0283	<0.0264	<0.0223	<0.0297	<0.0268	<0.0238	<0.0285	<0.0215
1,1-Dichloroethane	(mg/kg)	**5.1**	**22.2**	*0.48*	<0.0153	<0.0137	<0.0169	<0.0157	<0.0133	<0.0177	<0.0159	<0.0142	<0.0170	<0.0128
1,2-Dichloroethane	(mg/kg)	**0.65**	**2.9**	*0.0028*	<0.0137	<0.0123	<0.0152	<0.0141	<0.0119	<0.0159	<0.0143	<0.0127	<0.0152	<0.0115
1,1-Dichloroethene	(mg/kg)	**320**	**1,190**	*0.005*	<0.0198	<0.0177	<0.0219	<0.0203	<0.0172	<0.0229	<0.0207	<0.0184	<0.0220	<0.0166
cis-1,2-Dichloroethene	(mg/kg)	**156**	**2,340**	*0.041*	<0.0128	<0.0114	<0.0141	<0.0131	<0.0111	<0.0148	<0.0133	<0.0119	<0.0142	<0.0107
trans-1,2-Dichloroethene	(mg/kg)	**1,560**	**1,850**	*0.063*	<0.0130	<0.0117	<0.0144	<0.0134	<0.0113	<0.0151	<0.0136	<0.0121	<0.0145	<0.0109
1,2-Dichloropropane	(mg/kg)	**3.4**	**15**	*0.0033*	<0.0142	<0.0127	<0.0157	<0.0146	<0.0123	<0.0164	<0.0148	<0.0132	<0.0158	<0.0119
1,3-Dichloropropane	(mg/kg)	**1,490**	**1,490**	NS	<0.0130	<0.0116	<0.0144	<0.0134	<0.0113	<0.0150	<0.0136	<0.0121	<0.0145	<0.0109
2,2-Dichloropropane	(mg/kg)	**191**	**191**	NS	<0.0161	<0.0144	<0.0178	<0.0165	<0.0140	<0.0186	<0.0168	<0.0150	<0.0179	<0.0135
1,1-Dichloropropene	(mg/kg)	NS	NS	NS	<0.0193	<0.0173	<0.0214	<0.0199	<0.0168	<0.0224	<0.0202	<0.0179	<0.0215	<0.0162
cis-1,3-Dichloropropene	(mg/kg)	**1,210**	**1,210**	*0.0003*	<0.0393	<0.0353	<0.0435	<0.0405	<0.0342	<0.0456	<0.0411	<0.0366	<0.0438	<0.0330
trans-1,3-Dichloropropene	(mg/kg)	**1,510**	**1,510**	*0.0003*	<0.170	<0.153	<0.189	<0.175	<0.148	<0.197	<0.178	<0.158	<0.190	<0.143
Diisopropyl ether	(mg/kg)	**2,260**	**2,260**	NS	<0.0148	<0.0133	<0.0163	<0.0152	<0.0128	<0.0171	<0.0154	<0.0137	<0.0164	<0.0124
Ethylbenzene	(mg/kg)	**8**	**35**	*1.6*	<0.0142	<0.0127	<0.0157	<0.0146	<0.0123	<0.0164	<0.0148	<0.0132	<0.0158	<0.0119
Hexachloro-1,3-butadiene	(mg/kg)	**1.6**	**7.2**	NS	<0.119	<0.106	<0.131	<0.122	<0.103	<0.137	<0.124	<0.110	<0.132	<0.0994
Isopropylbenzene	(mg/kg)	**268**	**268**	NS	<0.0161	<0.0144	<0.0178	<0.0165	<0.0140	<0.0186	<0.0168	<0.0150	<0.0179	<0.0135
p-Isopropyltoluene	(mg/kg)	**162**	**162**	NS	<0.0203	<0.0182	<0.0224	<0.0208	<0.0176	<0.0235	<0.0212	<0.0188	<0.0225	<0.0170
Methylene Chloride	(mg/kg)	**61.8**	**1,150**	*0.0026*	<0.0166	<0.0149	<0.0183	<0.0170	<0.0144	<0.0192	<0.0173	<0.0154	<0.0184	<0.0139
MTBE	(mg/kg)	**63.8**	**282**	*0.027*	<0.0175	<0.0157	<0.0194	<0.0180	<0.0152	<0.0203	<0.0183	<0.0163	<0.0195	<0.0147
Naphthalene	(mg/kg)	**5.5**	**24.1**	*0.66*	<0.0251	<0.0225	<0.0277	<0.0258	<0.0218	<0.0290	<0.0262	<0.0233	<0.0279	<0.0210
n-Propylbenzene	(mg/kg)	**264**	**264**	NS	<0.0143	<0.0128	<0.0158	<0.0147	<0.0124	<0.0166	<0.0149	<0.0133	<0.0159	<0.0120
Styrene	(mg/kg)	**867**	**867**	*0.22*	<0.0153	<0.0137	<0.0169	<0.0157	<0.0133	<0.0177	<0.0159	<0.0142	<0.0170	<0.0128
1,1,1,2-Tetrachloroethane	(mg/kg)	**2.8**	**12.3**	*0.053*	<0.0143	<0.0128	<0.0158	<0.0147	<0.0124	<0.0166	<0.0149	<0.0133	<0.0159	<0.0120
1,1,2,2-Tetrachloroethane	(mg/kg)	**0.81**	**3.6**	*0.0002*	<0.0216	<0.0193	<0.0239	<0.0222	<0.0188	<0.0250	<0.0225	<0.0201	<0.0240	<0.0181
Tetrachloroethene (PCE)	(mg/kg)	**33**	**145**	*0.0046*	<0.0231	<0.0207	<0.0256	<0.0238	<0.0201	<0.0268	<0.0241	<0.0215	<0.0257	<0.0194
Toluene	(mg/kg)	**818**	**818**	*1.1*	<0.0150	<0.0135	<0.0166	<0.0154	<0.0131	<0.0174	<0.0157	<0.0140	<0.0167	<0.0126
1,2,3-Trichlorobenzene	(mg/kg)	**62.6**	**934**	NS	<0.0664	<0.0595	<0.0734	<0.0683	<0.0577	<0.0769	<0.0693	<0.0617	<0.0739	<0.0557
1,2,4-Trichlorobenzene	(mg/kg)	**24**	**113**	*0.41*	<0.0491	<0.0440	<0.0543	<0.0505	<0.0427	<0.0569	<0.0513	<0.0456	<0.0546	<0.0412
1,1,1-Trichlorethane	(mg/kg)	**640**	**640**	*0.14*	<0.0153	<0.0137	<0.0169	<0.0157	<0.0133	<0.0177	<0.0159	<0.0142	<0.0170	<0.0128
1,1,2-Trichlorethane	(mg/kg)	**1.6**	**7**	*0.0032*	<0.0217	<0.0195	<0.0240	<0.0223	<0.0189	<0.0251	<0.0227	<0.0202	<0.0241	<0.0182
Trichloroethene (TCE)	(mg/kg)	**1.3**	**8.4**	*0.0036*	<0.0223	<0.0200	<0.0247	<0.0229	<0.0194	<0.0258	<0.0233	<0.0207	<0.0248	<0.0187
Trichlorofluoromethane	(mg/kg)	**1,120**	**1,230**	*4.5*	<0.0173	<0.0155	<0.0191	<0.0178	<0.0150	<0.0200	<0.0181	<0.0161	<0.0192	<0.0145
1,2,3-Trichloropropane	(mg/kg)	**0.005**	**0.11**	*0.052*	<0.0290	<0.0260	<0.0320	<0.0298	<0.0252	<0.0335	<0.0302	<0.0269	<0.0322	<0.0243
1,2,4-Trimethylbenzene	(mg/kg)	**219**	**219**	NS	<0.0178	<0.0159	<0.0196	<0.0183	<0.0154	<0.0206	<0.0185	<0.0165	<0.0198	<0.0149
1,3,5-Trimethylbenzene	(mg/kg)	**182**	**182**	NS	<0.0192	<0.0172	<0.0212	<0.0197	<0.0167	<0.0222	<0.0200	<0.0178	<0.0213	<0.0161
Vinyl Chloride	(mg/kg)	**0.067**	**2.1**	*0.00014*	<0.0120	<0.0108	<0.0133	<0.0124	<0.0105	<0.0139	<0.0126	<0.0112	<0.0134	<0.0101
Xylenes (TOTAL)	(mg/kg)	**260**	**260**	*4*	<0.0430	<0.0386	<0.0476	<0.0443	<0.0374	<0.0498	<0.0449	<0.0400	<0.0479	<0.0361
m&p-Xylene	(mg/kg)	**778**	**778**	NS	<0.0252	<0.0225	<0.0278	<0.0259	<0.0219	<0.0291	<0.0263	<0.0234	<0.0280	<0.0211
o-Xylene	(mg/kg)	**434**	**434**	NS	<0.0179	<0.0160	<0.0198	<0.0184	<0.0155	<0.0207	<0.0187	<0.0166	<0.0199	<0.0150
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(mg/kg)	NS	NS	*1.38*	<0.0370	<0.0331	<0.0408	<0.0387	<0.0321	<0.0428	<0.0385	<0.0343	<0.0411	<0.0310

Exceedance Highlights:
BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.
Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
J = Estimated concentration at or above limit of detection & limit of quantification
NS = No standard established
-- = Parameter not analyzed or reported
ND = No Detection
RCL = Residual Contaminant Level

Table A.2.b
Soil Analytical Results Table - PAH
Commonwealth--Wausau
700, 804, 810, 814, and 816 Grand Avenue, Wausau, WI 54403

Sample ID		**Non-Industrial** Direct-Contact (0-4') RCL	**Industrial** Direct-Contact (0-4') RCL	Groundwater Pathway RCL	SB-1					SB-2					SB-3					SB-4			SB-5			SB-6		
Date					8/21/24					8/21/24					8/21/24					8/21/24			8/21/24			8/21/24		
Depth					0-4'	4-8'	8-12'	38-40'	48'	0-4'	4-8'	8-12'	40-42'	48'	0-4'	4-8'	8-12'	40'	48'	0-4'	30'	48'	0-4'	28'	48'	0-4'	8'	48'
Description					Sandy Silt	Sand	Sand	Sand	Sand	Sand & Silt	Sand	Sand	Sand	Sand	Sandy Silt	Sand	Sand	Sand	Sand	Silt	Sand	Sand	Silt	Sand	Sand	Sandy Silt	Sand	Sand
DEPTH to Seasonal Low Water Table (ft BGS)					44'					44'					44'					44'			44'			44'		
Saturated (S) or Unsaturated (U)					U	U	U	U	S	U	U	U	U	S	U	U	U	U	S	U	U	S	U	U	S	U	U	S
PID Reading					0.5	0.9	0.1	0.4	0.0	0.2	0.1	0.0	0.2	0.0	0.3	0.3	0.4	0.5	0.4	0.5	1.1	0.9	0.3	0.7	0.5	0.2	0.3	0.1
Soil Remaining																												
Notes																												
Acenaphthene	(mg/kg)	**3,590**	**45,200**	NS	<0.0023	<0.0022	<0.0023	<0.0022	<0.0025	<0.0023	0.0078 J	<0.0022	<0.0022	<0.0025	<0.0024	<0.0023	<0.0023	<0.0022	<0.0024	<0.0024	<0.0022	<0.0025	0.0059 J	<0.0022	<0.0026	0.0056 J	<0.0023	<0.0025
Acenaphthylene	(mg/kg)	NS	NS	NS	0.0168 J	<0.0022	<0.0022	<0.0022	<0.0025	<0.0023	0.0251 J	<0.0022	<0.0022	<0.0024	0.0025 J	<0.0022	<0.0022	<0.0021	<0.0023	<0.0023	<0.0022	<0.0024	0.0237	<0.0021	<0.0025	0.0204 J	<0.0022	<0.0024
Anthracene	(mg/kg)	**17,900**	**100,000**	*197*	0.0156 J	<0.0021	<0.0022	<0.0021	<0.0024	0.0047 J	0.0428 J	<0.0021	<0.0021	<0.0024	0.0069 J	<0.0022	<0.0022	<0.0021	<0.0023	0.0037 J	<0.0021	<0.0024	0.0318	<0.0021	<0.0025	0.0344 J	<0.0022	<0.0024
Benzo(a)anthracene	(mg/kg)	**1.1**	**20.8**	NS	0.105	0.0052 J	<0.0022	<0.0022	<0.0025	0.0288	0.235	<0.0022	<0.0022	<0.0025	0.0183	<0.0023	<0.0023	<0.0022	<0.0024	0.0221	<0.0022	<0.0025	0.137	<0.0022	<0.0026	0.304	<0.0023	<0.0025
Benzo(a)pyrene	(mg/kg)	**0.12**	**2.1**	*0.47*	**0.159**	0.0040 J	<0.0020	<0.0019	<0.0022	0.0364	0.300	<0.0019	<0.0019	<0.0022	0.0180 J	<0.0020	<0.0020	<0.0019	<0.0021	0.0298	<0.0020	<0.0022	**0.177**	<0.0019	<0.0023	**0.415**	<0.0020	<0.0022
Benzo(b)fluoranthene	(mg/kg)	**1.2**	**21.1**	*0.48*	0.234	0.0051 J	<0.0024	<0.0024	<0.0027	0.0543	0.429	<0.0024	<0.0024	<0.0026	0.0234	<0.0025	<0.0024	<0.0023	<0.0025	0.0415	<0.0024	<0.0027	0.237	<0.0024	<0.0028	*0.588*	<0.0024	<0.0027
Benzo(g,h,i)perylene	(mg/kg)	NS	NS	NS	0.138	<0.0030	<0.0031	<0.0030	<0.0034	0.0250	0.238	<0.0030	<0.0030	<0.0033	0.0142 J	<0.0031	<0.0031	<0.0030	<0.0032	0.0214	<0.0030	<0.0034	0.127	<0.0030	<0.0035	0.335	<0.0031	<0.0034
Benzo(k)fluoranthene	(mg/kg)	**11.5**	**211**	NS	0.0859	0.0027 J	<0.0022	<0.0022	<0.0025	0.0211	0.157	<0.0022	<0.0022	<0.0024	0.0098 J	<0.0023	<0.0022	<0.0022	<0.0023	0.0165 J	<0.0022	<0.0025	0.0882	<0.0022	<0.0025	0.211	<0.0023	<0.0025
Chrysene	(mg/kg)	**115**	**2,110**	*0.14*	*0.145*	0.0041 J	<0.0033	<0.0032	<0.0037	0.0370	*0.266*	<0.0032	<0.0032	<0.0036	0.0192	<0.0034	<0.0033	<0.0032	<0.0034	0.0292	<0.0033	<0.0036	*0.185*	<0.0032	<0.0037	*0.385*	<0.0033	<0.0037
Dibenz(a,h)anthracene	(mg/kg)	**0.12**	**2.1**	NS	0.0307	<0.0024	<0.0024	<0.0024	<0.0027	0.0059 J	0.0509	<0.0024	<0.0024	<0.0026	0.0035 J	<0.0025	<0.0024	<0.0023	<0.0025	0.0055 J	<0.0024	<0.0027	0.0327	<0.0024	<0.0028	0.0788	<0.0024	<0.0027
Fluoranthene	(mg/kg)	**2,390**	**30,100**	*88.9*	0.235	0.0092 J	<0.0021	<0.0020	<0.0023	0.0682	0.584	<0.0020	0.0023 J	<0.0023	0.038	<0.0021	<0.0021	<0.0020	<0.0022	0.058	<0.0020	<0.0023	0.363	<0.0020	<0.0024	0.683	<0.0021	<0.0023
Fluorene	(mg/kg)	**2,390**	**30,100**	*14.8*	0.0032 J	<0.0021	<0.0021	<0.0021	<0.0023	<0.0022	0.0086 J	<0.0021	<0.0020	<0.0023	0.0026 J	<0.0021	<0.0021	<0.0020	<0.0022	<0.0022	<0.0021	<0.0023	0.0113 J	<0.0020	<0.0024	0.0048 J	<0.0021	<0.0023
Indeno(123-cd)pyrene	(mg/kg)	**1.2**	**21.1**	NS	0.110	<0.0036	<0.0036	<0.0036	<0.0041	0.0202	0.180	<0.0036	<0.0036	<0.0040	0.0106 J	<0.0037	<0.0037	<0.0035	<0.0038	0.0178 J	<0.0036	<0.0040	0.103	<0.0035	<0.0041	0.27	<0.0037	<0.0040
1-methylnaphthalene	(mg/kg)	**17.6**	**72.7**	NS	<0.0026	<0.0025	<0.0025	<0.0025	<0.0029	<0.0026	<0.0065	<0.0025	<0.0025	<0.0028	<0.0027	<0.0026	<0.0026	<0.0025	<0.0027	<0.0027	<0.0025	0.0365	0.0148 J	<0.0025	<0.0029	0.0077 J	<0.0026	<0.0028
2-methylnaphthalene	(mg/kg)	**239**	**3,010**	NS	0.0030 J	<0.0025	<0.0025	<0.0025	<0.0029	<0.0026	<0.0065	<0.0025	<0.0025	<0.0028	<0.0027	<0.0026	<0.0026	<0.0025	<0.0027	<0.0027	<0.0025	0.0233	0.0173 J	<0.0025	<0.0029	0.0086 J	<0.0026	<0.0028
Naphthalene	(mg/kg)	**5.5**	**24.1**	*0.66*	0.0041 J	<0.0017	<0.0017	<0.0017	<0.0019	<0.0018	0.0073 J	<0.0017	<0.0017	<0.0019	<0.0018	<0.0017	<0.0017	<0.0016	<0.0018	0.0024 J	<0.0017	0.0300	0.0187	<0.0017	<0.0019	0.0102 J	<0.0017	0.0021 J
Phenanthrene	(mg/kg)	NS	NS	NS	0.0510	0.0048 J	<0.0020	<0.0020	<0.0022	0.0132 J	0.133	<0.0020	<0.0020	<0.0022	0.0269	<0.0020	<0.0020	<0.0019	<0.0021	0.0197	<0.0020	<0.0022	0.179	<0.0019	<0.0023	0.129	<0.0020	<0.0022
Pyrene	(mg/kg)	**1,790**	**22,600**	*54.5*	0.175	0.0077 J	<0.0026	<0.0025	<0.0029	0.0533	0.435	<0.0025	<0.0025	<0.0028	0.0287	<0.0026	<0.0026	<0.0025	<0.0027	0.0446	<0.0025	<0.0028	0.27	<0.0025	<0.0029	0.502	<0.0026	<0.0029

Exceedance Highlights:
BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.
Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17.
Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
J = Estimated concentration at or above limit of detection & limit of quantification
NS = No standard established
-- = Parameter not analyzed or reported
ND = No Detection
RCL = Residual Contaminant Level

Table A.2.c
Soil Analytical Results Table - Metals
Commonwealth--Wausau
700, 804, 810, 814, and 816 Grand Avenue, Wausau, WI 54403

Sample ID		**Non-industrial** Direct-Contact (0-4') RCL	**Industrial** Direct-Contact (0-4') RCL	Groundwater Pathway RCL	Background Threshold Value	SB-1					SB-2					SB-3					SB-4			SB-5			SB-6		
Date						8/21/24					8/21/24					8/21/24					8/21/24			8/21/24			8/21/24		
Depth						0-4'	4-8'	8-12'	38-40'	48'	0-4'	4-8'	8-12'	40-42'	48'	0-4'	4-8'	8-12'	40'	48'	0-4'	30'	48'	0-4'	28'	48'	0-4'	8'	48'
Description						Sandy Silt	Sand	Sand	Sand	Sand	Sand & Silt	Sand	Sand	Sand	Sand	Sandy Silt	Sand	Sand	Sand	Sand	Silt	Sand	Sand	Silt	Sand	Sand	Sandy Silt	Sand	Sand
DEPTH to Seasonal Low Water Table (ft BGS)						44'					44'					44'					44'			44'			44'		
Saturated (S) or Unsaturated (U)						U	U	U	U	S	U	U	U	U	S	U	U	U	U	S	U	U	S	U	U	S	U	U	S
PID Reading						0.5	0.9	0.1	0.4	0.0	0.2	0.1	0.0	0.2	0.0	0.3	0.3	0.4	0.5	0.4	0.5	1.1	0.9	0.3	0.7	0.5	0.2	0.3	0.1
Soil Remaining																													
Notes																													
Arsenic	(mg/kg)	**0.68**	**3**	*0.58*	8	1.6 J*	<1.4	<1.3	<1.4	<1.6	<1.6	<1.5	<1.5	<1.5	<1.6	4.6*	<1.5	<1.4	<1.3	<1.5	3.8*	<1.5	<1.6	5.3*	<1.4	<1.6	2.6*	<1.5	<1.7
Barium	(mg/kg)	**15,300**	**100,000**	*165*	364	56.9	31.6	29.0	8.6	16.4	98.0	18.1	5.9	16.0	27.8	116	23.3	20.8	15.4	21.4	61.7	9.0	14.9	229*	32.5	16.6	102	17.6	19.2
Cadmium	(mg/kg)	**71.1**	**985**	*0.75*	1	<0.14	<0.13	<0.12	<0.13	<0.15	<0.14	<0.14	<0.14	<0.13	<0.14	0.19 J	<0.14	<0.13	<0.12	<0.13	<0.13	<0.13	<0.15	0.15 J	<0.13	<0.15	<0.14	<0.14	<0.15
Chromium, Total	(mg/kg)	NS	NS	360,000	44	11.2	11.2	8.0	5.0	6.7	8.7	9.1	10.7	8.0	15.2	13.2	7.8	6.6	9.7	14.4	21.6	4.2	8.8	13.6	12.2	7.5	12.0	8.5	7.0
Lead	(mg/kg)	**400**	**800**	*27*	52	22.8	2.7	2.3	<0.57	0.90 J	22.1	12.5	2.0 J	1.0 J	2.0 J	44.4*	1.3 J	1.1 J	1.1 J	1.0 J	6.0	0.71 J	1.4 J	*60.4*	1.2 J	1.3 J	14.4	1.1 J	1.1 J
Selenium	(mg/kg)	**391**	**5,840**	*0.52*	NS	<1.4	<1.3	<1.2	<1.3	<1.4	<1.4	<1.3	<1.3	<1.3	<1.4	<1.3	<1.4	<1.3	<1.2	<1.3	<1.3	<1.3	<1.5	<1.4	<1.3	<1.5	<1.4	<1.4	<1.5
Silver	(mg/kg)	**391**	**5,840**	*0.85*	NS	<0.33	<0.30	<0.28	<0.29	<0.34	0.49 J	<0.31	<0.31	<0.31	<0.33	<0.31	<0.32	<0.29	<0.28	<0.30	0.38 J	<0.31	<0.34	<0.34	<0.30	<0.34	<0.32	<0.32	<0.35
Mercury	(mg/kg)	**3.1**	**3.1**	*0.21*	NS	0.019 J	<0.010	<0.0095	<0.010	<0.011	0.013 J	<0.0094	<0.010	<0.0099	0.011 J	*0.21*	<0.010	<0.0094	<0.0091	<0.011	0.062	<0.0096	0.011 J	0.11	<0.010	0.012 J	0.063	0.011 J	0.011 J

Exceedance Highlights:

BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.

Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

* = Concentration is above Standards but below BTVs and is considered naturally occuring

Notes:
J = Estimated concentration at or above limit of detection & limit of quantification
NS = No standard established
-- = Parameter not analyzed or reported
ND = No Detection
RCL = Residual Contaminant Level

Chromium, Total = CrIII & CrIV combined

The surficial soil background threshold values (BTVs) are included in a separate column in the spreadsheet for use in comparing the metal concentrations in site soils. The BTVs are the non-outlier maximum metal concentrations from 664 surficial (to 0.5 ft depth) soil background samples collected statewide in 2006 and 2007. 'Background threshold values are non-outlier trace element maximum levels in Wisconsin surface soils from the United States Geological Survey (USGS) Report at: http://pubs.usgs.gov/sir/2011/5202.

TABLE A.2.d
Soil Analytical Results Table - PCBs
Commonwealth--Wausau
700, 804, 810, 814, and 816 Grand Avenue, Wausau, WI 54403

Sample ID		Non-Industrial Direct-Contact (0-4') RCL	Industrial Direct-Contact (0-4') RCL	Groundwater Pathway RCL	SB-1					SB-2					SB-3					SB-4			SB-5			SB-6		
Date					8/21/24					8/21/24					8/21/24					8/21/24			8/21/24			8/21/24		
Depth					0-4'	4-8'	8-12'	38-40'	48'	0-4'	4-8'	8-12'	40-42'	48'	0-4'	4-8'	8-12'	40'	48'	0-4'	30'	48'	0-4'	28'	48'	0-4'	8'	48'
Description					Sandy Silt	Sand	Sand	Sand	Sand	Sand & Silt	Sand	Sand	Sand	Sand	Sandy Silt	Sand	Sand	Sand	Sand	Silt	Sand	Sand	Silt	Sand	Sand	Sandy Silt	Sand	Sand
DEPTH to Seasonal Low Water Table (ft					44'					44'					44'					44'			44'			44'		
Saturated (S) or Unsaturated (U)					U	U	U	U	S	U	U	U	U	S	U	U	U	U	S	U	U	S	U	U	S	U	U	S
PID Reading					0.5	0.9	0.1	0.4	0.0	0.2	0.1	0.0	0.2	0.0	0.3	0.3	0.4	0.5	0.4	0.5	1.1	0.9	0.3	0.7	0.5	0.2	0.3	0.1
Soil Remaining																												
Notes																												
Aroclor 1016	(mg/kg)	**4.1**	**28**	NS	<0.0163	<0.0158	<0.0158	<0.0156	<0.0178	<0.0164	<0.0161	<0.0156	<0.0156	<0.0174	<0.0165	<0.0163	<0.0160	<0.0153	<0.0167	<0.0167	<0.0158	<0.0177	<0.0169	<0.0155	<0.0181	<0.0171	<0.0160	<0.0177
Aroclor 1221	(mg/kg)	**0.21**	**0.88**	NS	<0.0163	<0.0158	<0.0158	<0.0156	<0.0178	<0.0164	<0.0161	<0.0156	<0.0156	<0.0174	<0.0165	<0.0163	<0.0160	<0.0153	<0.0167	<0.0167	<0.0158	<0.0177	<0.0169	<0.0155	<0.0181	<0.0171	<0.0160	<0.0177
Aroclor 1232	(mg/kg)	**0.19**	**0.79**	NS	<0.0163	<0.0158	<0.0158	<0.0156	<0.0178	<0.0164	<0.0161	<0.0156	<0.0156	<0.0174	<0.0165	<0.0163	<0.0160	<0.0153	<0.0167	<0.0167	<0.0158	<0.0177	<0.0169	<0.0155	<0.0181	<0.0171	<0.0160	<0.0177
Aroclor 1242	(mg/kg)	**0.24**	**0.97**	NS	<0.0163	<0.0158	<0.0158	<0.0156	<0.0178	<0.0164	<0.0161	<0.0156	<0.0156	<0.0174	<0.0165	<0.0163	<0.0160	<0.0153	<0.0167	<0.0167	<0.0158	<0.0177	<0.0169	<0.0155	<0.0181	<0.0171	<0.0160	<0.0177
Aroclor 1248	(mg/kg)	**0.24**	**0.98**	NS	<0.0163	<0.0158	<0.0158	<0.0156	<0.0178	<0.0164	<0.0161	<0.0156	<0.0156	<0.0174	<0.0165	<0.0163	<0.0160	<0.0153	<0.0167	<0.0167	<0.0158	<0.0177	<0.0169	<0.0155	<0.0181	<0.0171	<0.0160	<0.0177
Aroclor 1254	(mg/kg)	**0.24**	**0.99**	NS	<0.0163	<0.0158	<0.0158	<0.0156	<0.0178	<0.0164	<0.0161	<0.0156	<0.0156	<0.0174	<0.0165	<0.0163	<0.0160	<0.0153	<0.0167	<0.0167	<0.0158	<0.0177	<0.0169	<0.0155	<0.0181	<0.0171	<0.0160	<0.0177
Aroclor 1260	(mg/kg)	**0.24**	**1**	NS	<0.0163	<0.0158	<0.0158	<0.0156	<0.0178	<0.0164	<0.0161	<0.0156	<0.0156	<0.0174	<0.0165	<0.0163	<0.0160	<0.0153	<0.0167	<0.0167	<0.0158	<0.0177	<0.0169	<0.0155	<0.0181	<0.0171	<0.0160	<0.0177
Polychlorinated Biphenyls (high Risk/Total)	(mg/kg)	**0.23**	**0.97**	*0.0094*	<0.0163	<0.0158	<0.0158	<0.0156	<0.0178	<0.0164	<0.0161	<0.0156	<0.0156	<0.0174	<0.0165	<0.0163	<0.0160	<0.0153	<0.0167	<0.0167	<0.0158	<0.0177	<0.0169	<0.0155	<0.0181	<0.0171	<0.0160	<0.0177

Exceedance Highlights:
BOLD Red font indicates individual or cumulative DC RCL exceedance per DNR RCL calculator 3/1/17, and BTV exceedance for metals.
Italic Red font indicates GW RCL Exceedance per DNR RCL calculator 3/1/17. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:
J = Estimated concentration at or above limit of detection & limit of quantific
NS = No standard established
-- = Parameter not analyzed or reported
ND = No Detection
RCL = Residual Contaminant Level

Appendix 1

Laboratory Analytical Reports

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

September 23, 2024

Dillon Plamann
Fehr Graham Engineering & Environmental
909 N. 8th Street
Suite 101
Sheboygan, WI 53081

RE: Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Dear Dillon Plamann:

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

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40284149001	**SB-1**	Water	09/13/24 11:30	09/16/24 13:05
40284149002	**SB-2**	Water	09/13/24 11:40	09/16/24 13:05
40284149003	**SB-3**	Water	09/13/24 12:00	09/16/24 13:05
40284149004	**SB-4**	Water	09/13/24 12:00	09/16/24 13:05
40284149005	**SB-5**	Water	09/13/24 13:00	09/16/24 13:05
40284149006	**SB-6**	Water	09/13/24 13:00	09/16/24 13:05
40284149007	**SB-SR(0-4')**	Solid	09/13/24 15:00	09/16/24 13:05

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SAMPLE ANALYTE COUNT

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40284149001	**SB-1**	EPA 6020B	KXS	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
40284149002	**SB-2**	EPA 6020B	KXS	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
40284149003	**SB-3**	EPA 6020B	KXS	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
40284149004	**SB-4**	EPA 6020B	KXS	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
40284149005	**SB-5**	EPA 6020B	KXS	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
40284149006	**SB-6**	EPA 6020B	KXS	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
40284149007	**SB-SR(0-4')**	EPA 6010D	SIS	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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

SUMMARY OF DETECTION

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40284149001	**SB-1**					
EPA 8270E by SIM	Anthracene	0.034J	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Benzo(a)anthracene	0.082	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Benzo(a)pyrene	0.070	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.12	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.053	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.050	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Chrysene	0.12	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Fluoranthene	0.19	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.036J	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Phenanthrene	0.031J	ug/L	0.045	09/19/24 18:10	
EPA 8270E by SIM	Pyrene	0.15	ug/L	0.045	09/19/24 18:10	
40284149002	**SB-2**					
EPA 6020B	Lead, Dissolved	954	ug/L	1.0	09/18/24 16:44	
EPA 8270E by SIM	Acenaphthylene	0.018J	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Anthracene	0.084	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Benzo(a)anthracene	0.12	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Benzo(a)pyrene	0.099	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.15	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.066	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.062	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Chrysene	0.15	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Fluoranthene	0.47	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.047J	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Phenanthrene	0.14	ug/L	0.049	09/19/24 18:28	
EPA 8270E by SIM	Pyrene	0.34	ug/L	0.049	09/19/24 18:28	
40284149003	**SB-3**					
EPA 6020B	Lead, Dissolved	0.26J	ug/L	1.0	09/18/24 16:48	
EPA 8270E by SIM	Anthracene	0.020J	ug/L	0.045	09/19/24 18:47	
EPA 8270E by SIM	Chrysene	0.013J	ug/L	0.045	09/19/24 18:47	
40284149004	**SB-4**					
EPA 8270E by SIM	Acenaphthene	0.016J	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Anthracene	0.077	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Benzo(a)anthracene	0.024J	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Benzo(a)pyrene	0.023J	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.042J	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Chrysene	0.060	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Fluoranthene	0.047J	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.015J	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	1-Methylnaphthalene	0.030J	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Naphthalene	0.075	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Phenanthrene	0.031J	ug/L	0.047	09/19/24 19:05	
EPA 8270E by SIM	Pyrene	0.044J	ug/L	0.047	09/19/24 19:05	
40284149005	**SB-5**					
EPA 8270E by SIM	Anthracene	0.030J	ug/L	0.046	09/19/24 19:23	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40284149006	**SB-6**					
EPA 8270E by SIM	Anthracene	0.086	ug/L	0.047	09/19/24 19:42	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.011J	ug/L	0.047	09/19/24 19:42	
EPA 8270E by SIM	Chrysene	0.047J	ug/L	0.047	09/19/24 19:42	
40284149007	**SB-SR(0-4')**					
EPA 6010D	Lead	0.060	mg/L	0.020	09/18/24 13:42	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Sample: SB-1 **Lab ID: 40284149001** Collected: 09/13/24 11:30 Received: 09/16/24 13:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<0.24**	ug/L	1.0	0.24	1	09/17/24 07:43	09/18/24 16:40	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.013**	ug/L	0.045	0.013	1	09/19/24 07:30	09/19/24 18:10	83-32-9	
Acenaphthylene	**<0.011**	ug/L	0.045	0.011	1	09/19/24 07:30	09/19/24 18:10	208-96-8	
Anthracene	**0.034J**	ug/L	0.045	0.017	1	09/19/24 07:30	09/19/24 18:10	120-12-7	
Benzo(a)anthracene	**0.082**	ug/L	0.045	0.012	1	09/19/24 07:30	09/19/24 18:10	56-55-3	
Benzo(a)pyrene	**0.070**	ug/L	0.045	0.012	1	09/19/24 07:30	09/19/24 18:10	50-32-8	
Benzo(b)fluoranthene	**0.12**	ug/L	0.045	0.0083	1	09/19/24 07:30	09/19/24 18:10	205-99-2	
Benzo(g,h,i)perylene	**0.053**	ug/L	0.045	0.021	1	09/19/24 07:30	09/19/24 18:10	191-24-2	
Benzo(k)fluoranthene	**0.050**	ug/L	0.045	0.020	1	09/19/24 07:30	09/19/24 18:10	207-08-9	
Chrysene	**0.12**	ug/L	0.045	0.011	1	09/19/24 07:30	09/19/24 18:10	218-01-9	
Dibenz(a,h)anthracene	**<0.016**	ug/L	0.045	0.016	1	09/19/24 07:30	09/19/24 18:10	53-70-3	
Fluoranthene	**0.19**	ug/L	0.045	0.024	1	09/19/24 07:30	09/19/24 18:10	206-44-0	
Fluorene	**<0.021**	ug/L	0.045	0.021	1	09/19/24 07:30	09/19/24 18:10	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.036J**	ug/L	0.045	0.014	1	09/19/24 07:30	09/19/24 18:10	193-39-5	
1-Methylnaphthalene	**<0.016**	ug/L	0.045	0.016	1	09/19/24 07:30	09/19/24 18:10	90-12-0	
2-Methylnaphthalene	**<0.013**	ug/L	0.045	0.013	1	09/19/24 07:30	09/19/24 18:10	91-57-6	
Naphthalene	**<0.018**	ug/L	0.045	0.018	1	09/19/24 07:30	09/19/24 18:10	91-20-3	
Phenanthrene	**0.031J**	ug/L	0.045	0.023	1	09/19/24 07:30	09/19/24 18:10	85-01-8	
Pyrene	**0.15**	ug/L	0.045	0.021	1	09/19/24 07:30	09/19/24 18:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	38-120		1	09/19/24 07:30	09/19/24 18:10	321-60-8	
Terphenyl-d14 (S)	73	%	47-121		1	09/19/24 07:30	09/19/24 18:10	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Sample: SB-2 **Lab ID: 40284149002** Collected: 09/13/24 11:40 Received: 09/16/24 13:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**954**	ug/L	1.0	0.24	1	09/17/24 07:43	09/18/24 16:44	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.014**	ug/L	0.049	0.014	1	09/19/24 07:30	09/19/24 18:28	83-32-9	
Acenaphthylene	**0.018J**	ug/L	0.049	0.012	1	09/19/24 07:30	09/19/24 18:28	208-96-8	
Anthracene	**0.084**	ug/L	0.049	0.018	1	09/19/24 07:30	09/19/24 18:28	120-12-7	
Benzo(a)anthracene	**0.12**	ug/L	0.049	0.013	1	09/19/24 07:30	09/19/24 18:28	56-55-3	
Benzo(a)pyrene	**0.099**	ug/L	0.049	0.012	1	09/19/24 07:30	09/19/24 18:28	50-32-8	
Benzo(b)fluoranthene	**0.15**	ug/L	0.049	0.0089	1	09/19/24 07:30	09/19/24 18:28	205-99-2	
Benzo(g,h,i)perylene	**0.066**	ug/L	0.049	0.023	1	09/19/24 07:30	09/19/24 18:28	191-24-2	
Benzo(k)fluoranthene	**0.062**	ug/L	0.049	0.022	1	09/19/24 07:30	09/19/24 18:28	207-08-9	
Chrysene	**0.15**	ug/L	0.049	0.012	1	09/19/24 07:30	09/19/24 18:28	218-01-9	
Dibenz(a,h)anthracene	**<0.017**	ug/L	0.049	0.017	1	09/19/24 07:30	09/19/24 18:28	53-70-3	
Fluoranthene	**0.47**	ug/L	0.049	0.025	1	09/19/24 07:30	09/19/24 18:28	206-44-0	
Fluorene	**<0.023**	ug/L	0.049	0.023	1	09/19/24 07:30	09/19/24 18:28	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.047J**	ug/L	0.049	0.015	1	09/19/24 07:30	09/19/24 18:28	193-39-5	
1-Methylnaphthalene	**<0.017**	ug/L	0.049	0.017	1	09/19/24 07:30	09/19/24 18:28	90-12-0	
2-Methylnaphthalene	**<0.013**	ug/L	0.049	0.013	1	09/19/24 07:30	09/19/24 18:28	91-57-6	
Naphthalene	**<0.019**	ug/L	0.049	0.019	1	09/19/24 07:30	09/19/24 18:28	91-20-3	
Phenanthrene	**0.14**	ug/L	0.049	0.025	1	09/19/24 07:30	09/19/24 18:28	85-01-8	
Pyrene	**0.34**	ug/L	0.049	0.022	1	09/19/24 07:30	09/19/24 18:28	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	38-120		1	09/19/24 07:30	09/19/24 18:28	321-60-8	
Terphenyl-d14 (S)	93	%	47-121		1	09/19/24 07:30	09/19/24 18:28	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Sample: SB-3 **Lab ID: 40284149003** Collected: 09/13/24 12:00 Received: 09/16/24 13:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**0.26J**	ug/L	1.0	0.24	1	09/17/24 07:43	09/18/24 16:48	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.012**	ug/L	0.045	0.012	1	09/19/24 07:30	09/19/24 18:47	83-32-9	
Acenaphthylene	**<0.011**	ug/L	0.045	0.011	1	09/19/24 07:30	09/19/24 18:47	208-96-8	
Anthracene	**0.020J**	ug/L	0.045	0.017	1	09/19/24 07:30	09/19/24 18:47	120-12-7	
Benzo(a)anthracene	**<0.012**	ug/L	0.045	0.012	1	09/19/24 07:30	09/19/24 18:47	56-55-3	
Benzo(a)pyrene	**<0.011**	ug/L	0.045	0.011	1	09/19/24 07:30	09/19/24 18:47	50-32-8	
Benzo(b)fluoranthene	**<0.0081**	ug/L	0.045	0.0081	1	09/19/24 07:30	09/19/24 18:47	205-99-2	
Benzo(g,h,i)perylene	**<0.021**	ug/L	0.045	0.021	1	09/19/24 07:30	09/19/24 18:47	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.045	0.020	1	09/19/24 07:30	09/19/24 18:47	207-08-9	
Chrysene	**0.013J**	ug/L	0.045	0.011	1	09/19/24 07:30	09/19/24 18:47	218-01-9	
Dibenz(a,h)anthracene	**<0.016**	ug/L	0.045	0.016	1	09/19/24 07:30	09/19/24 18:47	53-70-3	
Fluoranthene	**<0.023**	ug/L	0.045	0.023	1	09/19/24 07:30	09/19/24 18:47	206-44-0	
Fluorene	**<0.021**	ug/L	0.045	0.021	1	09/19/24 07:30	09/19/24 18:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.014**	ug/L	0.045	0.014	1	09/19/24 07:30	09/19/24 18:47	193-39-5	
1-Methylnaphthalene	**<0.016**	ug/L	0.045	0.016	1	09/19/24 07:30	09/19/24 18:47	90-12-0	
2-Methylnaphthalene	**<0.012**	ug/L	0.045	0.012	1	09/19/24 07:30	09/19/24 18:47	91-57-6	
Naphthalene	**<0.018**	ug/L	0.045	0.018	1	09/19/24 07:30	09/19/24 18:47	91-20-3	
Phenanthrene	**<0.023**	ug/L	0.045	0.023	1	09/19/24 07:30	09/19/24 18:47	85-01-8	
Pyrene	**<0.020**	ug/L	0.045	0.020	1	09/19/24 07:30	09/19/24 18:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	38-120		1	09/19/24 07:30	09/19/24 18:47	321-60-8	
Terphenyl-d14 (S)	84	%	47-121		1	09/19/24 07:30	09/19/24 18:47	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Sample: SB-4 **Lab ID: 40284149004** Collected: 09/13/24 12:00 Received: 09/16/24 13:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<0.24**	ug/L	1.0	0.24	1	09/17/24 07:43	09/18/24 16:52	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**0.016J**	ug/L	0.047	0.013	1	09/19/24 07:30	09/19/24 19:05	83-32-9	
Acenaphthylene	**<0.012**	ug/L	0.047	0.012	1	09/19/24 07:30	09/19/24 19:05	208-96-8	
Anthracene	**0.077**	ug/L	0.047	0.017	1	09/19/24 07:30	09/19/24 19:05	120-12-7	
Benzo(a)anthracene	**0.024J**	ug/L	0.047	0.013	1	09/19/24 07:30	09/19/24 19:05	56-55-3	
Benzo(a)pyrene	**0.023J**	ug/L	0.047	0.012	1	09/19/24 07:30	09/19/24 19:05	50-32-8	
Benzo(b)fluoranthene	**0.042J**	ug/L	0.047	0.0086	1	09/19/24 07:30	09/19/24 19:05	205-99-2	
Benzo(g,h,i)perylene	**<0.022**	ug/L	0.047	0.022	1	09/19/24 07:30	09/19/24 19:05	191-24-2	
Benzo(k)fluoranthene	**<0.021**	ug/L	0.047	0.021	1	09/19/24 07:30	09/19/24 19:05	207-08-9	
Chrysene	**0.060**	ug/L	0.047	0.012	1	09/19/24 07:30	09/19/24 19:05	218-01-9	
Dibenz(a,h)anthracene	**<0.017**	ug/L	0.047	0.017	1	09/19/24 07:30	09/19/24 19:05	53-70-3	
Fluoranthene	**0.047J**	ug/L	0.047	0.025	1	09/19/24 07:30	09/19/24 19:05	206-44-0	
Fluorene	**<0.022**	ug/L	0.047	0.022	1	09/19/24 07:30	09/19/24 19:05	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.015J**	ug/L	0.047	0.015	1	09/19/24 07:30	09/19/24 19:05	193-39-5	
1-Methylnaphthalene	**0.030J**	ug/L	0.047	0.017	1	09/19/24 07:30	09/19/24 19:05	90-12-0	
2-Methylnaphthalene	**<0.013**	ug/L	0.047	0.013	1	09/19/24 07:30	09/19/24 19:05	91-57-6	
Naphthalene	**0.075**	ug/L	0.047	0.019	1	09/19/24 07:30	09/19/24 19:05	91-20-3	
Phenanthrene	**0.031J**	ug/L	0.047	0.024	1	09/19/24 07:30	09/19/24 19:05	85-01-8	
Pyrene	**0.044J**	ug/L	0.047	0.021	1	09/19/24 07:30	09/19/24 19:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	38-120		1	09/19/24 07:30	09/19/24 19:05	321-60-8	
Terphenyl-d14 (S)	85	%	47-121		1	09/19/24 07:30	09/19/24 19:05	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Sample: SB-5 **Lab ID: 40284149005** Collected: 09/13/24 13:00 Received: 09/16/24 13:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<0.24**	ug/L	1.0	0.24	1	09/17/24 07:43	09/18/24 17:05	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.013**	ug/L	0.046	0.013	1	09/19/24 07:30	09/19/24 19:23	83-32-9	
Acenaphthylene	**<0.012**	ug/L	0.046	0.012	1	09/19/24 07:30	09/19/24 19:23	208-96-8	
Anthracene	**0.030J**	ug/L	0.046	0.017	1	09/19/24 07:30	09/19/24 19:23	120-12-7	
Benzo(a)anthracene	**<0.013**	ug/L	0.046	0.013	1	09/19/24 07:30	09/19/24 19:23	56-55-3	
Benzo(a)pyrene	**<0.012**	ug/L	0.046	0.012	1	09/19/24 07:30	09/19/24 19:23	50-32-8	
Benzo(b)fluoranthene	**<0.0084**	ug/L	0.046	0.0084	1	09/19/24 07:30	09/19/24 19:23	205-99-2	
Benzo(g,h,i)perylene	**<0.021**	ug/L	0.046	0.021	1	09/19/24 07:30	09/19/24 19:23	191-24-2	
Benzo(k)fluoranthene	**<0.021**	ug/L	0.046	0.021	1	09/19/24 07:30	09/19/24 19:23	207-08-9	
Chrysene	**<0.012**	ug/L	0.046	0.012	1	09/19/24 07:30	09/19/24 19:23	218-01-9	
Dibenz(a,h)anthracene	**<0.016**	ug/L	0.046	0.016	1	09/19/24 07:30	09/19/24 19:23	53-70-3	
Fluoranthene	**<0.024**	ug/L	0.046	0.024	1	09/19/24 07:30	09/19/24 19:23	206-44-0	
Fluorene	**<0.022**	ug/L	0.046	0.022	1	09/19/24 07:30	09/19/24 19:23	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.014**	ug/L	0.046	0.014	1	09/19/24 07:30	09/19/24 19:23	193-39-5	
1-Methylnaphthalene	**<0.016**	ug/L	0.046	0.016	1	09/19/24 07:30	09/19/24 19:23	90-12-0	
2-Methylnaphthalene	**<0.013**	ug/L	0.046	0.013	1	09/19/24 07:30	09/19/24 19:23	91-57-6	
Naphthalene	**<0.018**	ug/L	0.046	0.018	1	09/19/24 07:30	09/19/24 19:23	91-20-3	
Phenanthrene	**<0.024**	ug/L	0.046	0.024	1	09/19/24 07:30	09/19/24 19:23	85-01-8	
Pyrene	**<0.021**	ug/L	0.046	0.021	1	09/19/24 07:30	09/19/24 19:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	38-120		1	09/19/24 07:30	09/19/24 19:23	321-60-8	
Terphenyl-d14 (S)	91	%	47-121		1	09/19/24 07:30	09/19/24 19:23	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Sample: SB-6 **Lab ID: 40284149006** Collected: 09/13/24 13:00 Received: 09/16/24 13:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**<0.24**	ug/L	1.0	0.24	1	09/17/24 07:43	09/18/24 17:09	7439-92-1	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.013**	ug/L	0.047	0.013	1	09/19/24 07:30	09/19/24 19:42	83-32-9	
Acenaphthylene	**<0.012**	ug/L	0.047	0.012	1	09/19/24 07:30	09/19/24 19:42	208-96-8	
Anthracene	**0.086**	ug/L	0.047	0.018	1	09/19/24 07:30	09/19/24 19:42	120-12-7	
Benzo(a)anthracene	**<0.013**	ug/L	0.047	0.013	1	09/19/24 07:30	09/19/24 19:42	56-55-3	
Benzo(a)pyrene	**<0.012**	ug/L	0.047	0.012	1	09/19/24 07:30	09/19/24 19:42	50-32-8	
Benzo(b)fluoranthene	**0.011J**	ug/L	0.047	0.0086	1	09/19/24 07:30	09/19/24 19:42	205-99-2	
Benzo(g,h,i)perylene	**<0.022**	ug/L	0.047	0.022	1	09/19/24 07:30	09/19/24 19:42	191-24-2	
Benzo(k)fluoranthene	**<0.021**	ug/L	0.047	0.021	1	09/19/24 07:30	09/19/24 19:42	207-08-9	
Chrysene	**0.047J**	ug/L	0.047	0.012	1	09/19/24 07:30	09/19/24 19:42	218-01-9	
Dibenz(a,h)anthracene	**<0.017**	ug/L	0.047	0.017	1	09/19/24 07:30	09/19/24 19:42	53-70-3	
Fluoranthene	**<0.025**	ug/L	0.047	0.025	1	09/19/24 07:30	09/19/24 19:42	206-44-0	
Fluorene	**<0.022**	ug/L	0.047	0.022	1	09/19/24 07:30	09/19/24 19:42	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.015**	ug/L	0.047	0.015	1	09/19/24 07:30	09/19/24 19:42	193-39-5	
1-Methylnaphthalene	**<0.017**	ug/L	0.047	0.017	1	09/19/24 07:30	09/19/24 19:42	90-12-0	
2-Methylnaphthalene	**<0.013**	ug/L	0.047	0.013	1	09/19/24 07:30	09/19/24 19:42	91-57-6	
Naphthalene	**<0.019**	ug/L	0.047	0.019	1	09/19/24 07:30	09/19/24 19:42	91-20-3	
Phenanthrene	**<0.024**	ug/L	0.047	0.024	1	09/19/24 07:30	09/19/24 19:42	85-01-8	
Pyrene	**<0.021**	ug/L	0.047	0.021	1	09/19/24 07:30	09/19/24 19:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	38-120		1	09/19/24 07:30	09/19/24 19:42	321-60-8	
Terphenyl-d14 (S)	90	%	47-121		1	09/19/24 07:30	09/19/24 19:42	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Sample: SB-SR(0-4') **Lab ID: 40284149007** Collected: 09/13/24 15:00 Received: 09/16/24 13:05 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, TCLP	Analytical Method: EPA 6010D Preparation Method: EPA 3015A Leachate Method/Date: EPA 1311; 09/17/24 14:25 Pace Analytical Services - Green Bay								
Lead	**0.060**	mg/L	0.020	0.0059	1	09/18/24 11:24	09/18/24 13:42	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

QC Batch: 484718
QC Batch Method: EPA 3015A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET TCLP
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40284149007

METHOD BLANK: 2775434 Matrix: Water
Associated Lab Samples: 40284149007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0059	0.020	09/18/24 13:18	

METHOD BLANK: 2774885 Matrix: Solid
Associated Lab Samples: 40284149007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0059	0.020	09/18/24 13:49	

METHOD BLANK: 2775185 Matrix: Solid
Associated Lab Samples: 40284149007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0059	0.020	09/18/24 13:58	

LABORATORY CONTROL SAMPLE: 2775435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.28	0.28	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2775436 2775437

Parameter	Units	40283924011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	<0.0059	0.28	0.28	0.28	0.28	102	100	75-125	2	20	

MATRIX SPIKE SAMPLE: 2775456

Parameter	Units	40284036001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	<0.12	0.28	0.30J	109	75-125	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

QC Batch: 484538
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40284149001, 40284149002, 40284149003, 40284149004, 40284149005, 40284149006

METHOD BLANK: 2774487 Matrix: Water
Associated Lab Samples: 40284149001, 40284149002, 40284149003, 40284149004, 40284149005, 40284149006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<0.24	1.0	09/18/24 15:29	

LABORATORY CONTROL SAMPLE: 2774488

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	250	247	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2774489 2774490

Parameter	Units	40284107001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<0.24	250	250	240	237	96	95	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

QC Batch: 484818
QC Batch Method: EPA 3510
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40284149001, 40284149002, 40284149003, 40284149004, 40284149005, 40284149006

METHOD BLANK: 2775893 Matrix: Water
Associated Lab Samples: 40284149001, 40284149002, 40284149003, 40284149004, 40284149005, 40284149006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	09/19/24 13:19	
2-Methylnaphthalene	ug/L	<0.014	0.050	09/19/24 13:19	
Acenaphthene	ug/L	<0.014	0.050	09/19/24 13:19	
Acenaphthylene	ug/L	<0.013	0.050	09/19/24 13:19	
Anthracene	ug/L	<0.018	0.050	09/19/24 13:19	
Benzo(a)anthracene	ug/L	<0.014	0.050	09/19/24 13:19	
Benzo(a)pyrene	ug/L	<0.013	0.050	09/19/24 13:19	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	09/19/24 13:19	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	09/19/24 13:19	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	09/19/24 13:19	
Chrysene	ug/L	<0.013	0.050	09/19/24 13:19	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	09/19/24 13:19	
Fluoranthene	ug/L	<0.026	0.050	09/19/24 13:19	
Fluorene	ug/L	<0.024	0.050	09/19/24 13:19	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	09/19/24 13:19	
Naphthalene	ug/L	<0.020	0.050	09/19/24 13:19	
Phenanthrene	ug/L	<0.026	0.050	09/19/24 13:19	
Pyrene	ug/L	<0.023	0.050	09/19/24 13:19	
2-Fluorobiphenyl (S)	%	74	38-120	09/19/24 13:19	
Terphenyl-d14 (S)	%	85	47-121	09/19/24 13:19	

LABORATORY CONTROL SAMPLE & LCSD: 2775894 2775895

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.9	2.0	95	98	57-120	3	20	
2-Methylnaphthalene	ug/L	2	1.9	2.0	94	98	55-120	4	20	
Acenaphthene	ug/L	2	1.6	1.7	81	84	60-120	3	20	
Acenaphthylene	ug/L	2	1.6	1.7	82	84	58-120	3	20	
Anthracene	ug/L	2	1.9	2.0	95	99	58-120	4	20	
Benzo(a)anthracene	ug/L	2	1.8	1.9	90	95	51-120	6	20	
Benzo(a)pyrene	ug/L	2	1.9	2.0	93	98	59-120	5	20	
Benzo(b)fluoranthene	ug/L	2	1.9	1.9	94	97	52-120	3	20	
Benzo(g,h,i)perylene	ug/L	2	1.7	1.8	86	90	62-120	4	20	
Benzo(k)fluoranthene	ug/L	2	1.9	2.0	95	100	59-120	6	20	
Chrysene	ug/L	2	1.9	1.9	95	97	55-125	2	20	
Dibenz(a,h)anthracene	ug/L	2	1.6	1.8	81	88	60-120	9	20	
Fluoranthene	ug/L	2	2.1	2.2	103	108	62-120	5	20	
Fluorene	ug/L	2	1.8	1.9	91	94	61-120	3	20	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.8	1.8	88	91	62-120	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

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

QUALITY CONTROL DATA

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

LABORATORY CONTROL SAMPLE & LCSD: 2775894 2775895

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	2	1.7	1.7	85	87	55-120	2	20	
Phenanthrene	ug/L	2	1.9	2.0	93	98	55-120	5	20	
Pyrene	ug/L	2	1.8	1.9	89	93	53-120	4	20	
2-Fluorobiphenyl (S)	%				86	85	38-120			
Terphenyl-d14 (S)	%				93	96	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

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

QUALIFIERS

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

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: 484854

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24-1045 Commonwealth
Pace Project No.: 40284149

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40284149007	**SB-SR(0-4')**	EPA 3015A	484718	EPA 6010D	484751
40284149001	**SB-1**	EPA 3010A	484538	EPA 6020B	484696
40284149002	**SB-2**	EPA 3010A	484538	EPA 6020B	484696
40284149003	**SB-3**	EPA 3010A	484538	EPA 6020B	484696
40284149004	**SB-4**	EPA 3010A	484538	EPA 6020B	484696
40284149005	**SB-5**	EPA 3010A	484538	EPA 6020B	484696
40284149006	**SB-6**	EPA 3010A	484538	EPA 6020B	484696
40284149001	**SB-1**	EPA 3510	484818	EPA 8270E by SIM	484854
40284149002	**SB-2**	EPA 3510	484818	EPA 8270E by SIM	484854
40284149003	**SB-3**	EPA 3510	484818	EPA 8270E by SIM	484854
40284149004	**SB-4**	EPA 3510	484818	EPA 8270E by SIM	484854
40284149005	**SB-5**	EPA 3510	484818	EPA 8270E by SIM	484854
40284149006	**SB-6**	EPA 3510	484818	EPA 8270E by SIM	484854

Pace Analytical®

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40284149

ALL SHADED AREAS are for LAB USE ONLY

Company: Fehr Graham

Address: 909 N. 8th St. Sheboygan WI

Billing Information: Dillon Plamann

Report To: Dillon Plamann

Email To: dplamann@fehrgraham.com

Copy To:

Site Collection Info/Address: 709 804-816 Grand Avenue

Customer Project Name/Number: Commonwealth - 24-1045

State: WI County/City: Wausau Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Kelsey Bird

Purchase Order #:
Quote #:

DW PWS ID #:
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): [X] Yes [ ] No

Analysis: lead

Container Preservative Type **: U | | U | | U

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

Lab Project Manager:

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 Received on Ice           Y N NA
VOA - Headspace Acceptable        Y N NA
USDA Regulated Soils              Y N NA
Samples in Holding Time           Y N NA
Residual Chlorine Present         Y N NA
Cl Strips: ______
Sample pH Acceptable              Y N NA
pH Strips: ______
Sulfide Present                   Y N NA
Lead Acetate Strips: ______

LAB USE ONLY:
Lab Sample # / Comments:
```

* 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 Date	Collected Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PAHs	lead	TCLP lead	Lab Sample # / Comments
SB-1	GW	grab	9/13	1130				3	X	X		001
SB-2	GW	↓	↓	1140				3	X	X		002
SB-3	GW			1200				3	X	X		003
SB-4	GW			1200				3	X	X		004
SB-5	GW			1300				3	X	X		005
SB-6	GW			1300				3	X	X		006
SB-SP (0-4')	SL	↓	↓	1500				1			X	007

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: 2969101

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: SR-127
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0.0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	9/16/2024	E. [signature] pace	9/16/24 1130
E. [signature] pace	9/16/24 1305	[signature] Pace	9/16/24 1305

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

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 20 of 22

Sample Preservation Receipt Form

Client Name: Fehr Graham Project # 40284149

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: GA Date/ Time:

Lab Lot# of pH paper: 10D3733 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																											X		2.5 / 5
002					2																											X		2.5 / 5
003					2																											X		2.5 / 5
004					2																											X		2.5 / 5
005					2																											X		2.5 / 5
006					2																											X		2.5 / 5
007																					1													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

GA 9/16/24

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI
BG3U	250 mL clear glass unpres				

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40284149

Client Name: Fehr Graham

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

Tracking #: N/A

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 _____ 9/16/24

Thermometer Used SR - 127 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.0

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

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

Person examining contents:
Date: 9/16/24 Initials: GN
Labeled By Initials: MH

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

Client Notification/ Resolution: If checked, see attached form for additional comments ☐
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

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

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

September 30, 2024

Dillon Plamann
Fehr Graham Engineering & Environmental
909 N. 8th Street
Suite 101
Sheboygan, WI 53081

RE: Project: 24-1045 Commonwealth
Pace Project No.: 40284897

Dear Dillon Plamann:

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

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 24-1045 Commonwealth
Pace Project No.: 40284897

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 24-1045 Commonwealth
Pace Project No.: 40284897

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40284149008	**SB-2 Rerun**	Water	09/13/24 11:40	09/16/24 13:05

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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 24-1045 Commonwealth
Pace Project No.: 40284897

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40284149008	**SB-2 Rerun**	EPA 6020B	TXW	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 24-1045 Commonwealth
Pace Project No.: 40284897

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40284149008	**SB-2 Rerun**					
EPA 6020B	Lead, Dissolved	949	ug/L	10.0	09/25/24 00:26	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24-1045 Commonwealth
Pace Project No.: 40284897

Sample: SB-2 Rerun **Lab ID: 40284149008** Collected: 09/13/24 11:40 Received: 09/16/24 13:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**949**	ug/L	10.0	2.4	10	09/24/24 05:03	09/25/24 00:26	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 24-1045 Commonwealth
Pace Project No.: 40284897

QC Batch: 485191
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40284149008

METHOD BLANK: 2778303 Matrix: Water
Associated Lab Samples: 40284149008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<0.24	1.0	09/25/24 00:18	

LABORATORY CONTROL SAMPLE: 2778304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	250	244	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2778305 2778306

Parameter	Units	40284149008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	949	250	250	1180	1190	93	95	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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QUALIFIERS

Project: 24-1045 Commonwealth
Pace Project No.: 40284897

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.

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24-1045 Commonwealth
Pace Project No.: 40284897

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40284149008	**SB-2 Rerun**	EPA 3010A	485191	EPA 6020B	485316

Pace Analytical®

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40284149

ALL SHADED AREAS are for LAB USE ONLY

Company: Fehr Graham
Billing Information: Dillon Plamann
Address: 909 N. 8th St. Sheboygan WI
Report To: Dillon Plamann
Email To: dplamann@fehrgraham.com
Copy To:
Site Collection Info/Address: 709 804-816 Grand Avenue
Customer Project Name/Number: Commonwealth - 24-1045
State: WI / County/City: Wausau / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone:
Email:
Site/Facility ID #:
Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Kelsey Bird
Purchase Order #:
Quote #:
DW PWS ID #:
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): [X] Yes [ ] No
Analysis: lead

Container Preservative Type **: U | | | U

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

Lab Project Manager:

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 Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

(checklist struck through, initialed, 9/16/24)

LAB USE ONLY
Lab Sample # / Comments:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Time	Composite End Date	Time	Res Cl	# of Ctns	PAHs	lead	TCLP lead	Lab Sample # / Comments
SB-1	GW	grab	9/13	1130				3	X	X		001
SB-2	GW	↓	↓	1140				3	X	X		002
SB-3	GW	↓	↓	1200				3	X	X		003
SB-4	GW	↓	↓	1200				3	X	X		004
SB-5	GW	↓	↓	1300				3	X	X		005
SB-6	GW	↓	↓	1300				3	X	X		006
SB-SP (0-4')	SL	↓	↓	1500				1			X	007

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None
Packing Material Used:
Radchem sample(s) screened (<500 cpm): Y N NA
SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #: 2969101
Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: SR 127
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0.0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	9/16/2024	E. [signature] Pace	9/16/24 1130
E. [signature] Pace	9/16/24 1305	[signature] Pace	9/16/24 1305

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

Trip Blank Received: Y N (NA)
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 10 of 12
of: ______

Sample Preservation Receipt Form

Client Name: Fehr Graham Project # 40284149

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: GA Date/ Time:

Lab Lot# of pH paper: 10D3733 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																											X		2.5 / 5
002					2																											X		2.5 / 5
003					2																											X		2.5 / 5
004					2																											X		2.5 / 5
005					2																											X		2.5 / 5
006					2																											X		2.5 / 5
007																					1													2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
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018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

GA 9/16/24

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI
BG3U	250 mL clear glass unpres				

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40284149

Client Name: Fehr Graham

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

Tracking #: N/A

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 _____ N/A 9/16/24

Thermometer Used SR - 127 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.0

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

Person examining contents: Date: 9/16/24 Initials: GN

Labeled By Initials: MH

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

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 2 of 2

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

October 11, 2024

Dillon Plamann
Fehr Graham Engineering & Environmental
909 N. 8th Street
Suite 101
Sheboygan, WI 53081

RE: Project: 24-1045 CommonWealth
Pace Project No.: 40285219

Dear Dillon Plamann:

Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 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,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 24-1045 CommonWealth
Pace Project No.: 40285219

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 24-1045 CommonWealth
Pace Project No.: 40285219

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40285219001	**SB-2**	Water	10/04/24 11:40	10/04/24 14:00

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

SAMPLE ANALYTE COUNT

Project: 24-1045 CommonWealth
Pace Project No.: 40285219

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40285219001	**SB-2**	EPA 6020B	KXS	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 24-1045 CommonWealth
Pace Project No.: 40285219

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40285219001	**SB-2**					
EPA 6020B	Lead, Dissolved	343	ug/L	1.0	10/07/24 22:28	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 24-1045 CommonWealth
Pace Project No.: 40285219

Sample: SB-2 **Lab ID: 40285219001** Collected: 10/04/24 11:40 Received: 10/04/24 14:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Lead, Dissolved	**343**	ug/L	1.0	0.24	1	10/06/24 09:20	10/07/24 22:28	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24-1045 CommonWealth
Pace Project No.: 40285219

QC Batch: 486338
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40285219001

METHOD BLANK: 2785738 Matrix: Water
Associated Lab Samples: 40285219001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<0.24	1.0	10/07/24 22:19	

LABORATORY CONTROL SAMPLE: 2785739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	250	244	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2785740 2785741

Parameter	Units	40285219001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	343	250	250	585	584	97	96	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 24-1045 CommonWealth
Pace Project No.: 40285219

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24-1045 CommonWealth
Pace Project No.: 40285219

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40285219001	**SB-2**	EPA 3010A	486338	EPA 6020B	486462

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 4028519

ALL SHADED AREAS are for LAB USE ONLY

Company: Fehr Graham	Billing Information:
Address: 909 N. 8th Street	
Report To: Dillon Plamann	Email To:
Copy To:	Site Collection Info/Address: 700, 804-812 Grand Avenue
Customer Project Name/Number: Commonwealth 24-1045	State: WI County/City: Wausau Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Andy Dietz	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Andrew Dietz	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): [X] Yes [ ] No Analysis: lead

* 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)

Container Preservative Type **: 1

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

Lab Project Manager:

Analyses: lead

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 Received on Ice	Y N NA	
VOA - Headspace Acceptable	Y N NA	
USDA Regulated Soils	Y N NA	
Samples in Holding Time	Y N NA	
Residual Chlorine Present	Y N NA	
Cl Strips: _____		
Sample pH Acceptable	Y N NA	
pH Strips: _____		
Sulfide Present	Y N NA	
Lead Acetate Strips: _____		

LAB USE ONLY:
Lab Sample # / Comments:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lead	Lab Sample # / Comments
SB-2	GW	grab	10/4	11:40AM	—	—		1	X	001

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 1

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

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

Lab Tracking #: 2969106

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 1
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Andrew Dietz	10/4/24 2:00PM		10/4/24 1400
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

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

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: Flhr Graham Project # 410285219

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: GF Date/ Time:

Lab Lot# of pH paper: 10D3733 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											1																				X		2.5 / 5
002																																	2.5 / 5
003																																	2.5 / 5
004																																	2.5 / 5
005																																	2.5 / 5
006																																	2.5 / 5
007																																	2.5 / 5
008																																	2.5 / 5
009																																	2.5 / 5
010																																	2.5 / 5
011																																	2.5 / 5
012																																	2.5 / 5
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015																																	2.5 / 5
016																																	2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																																	2.5 / 5

10/4/24 GF

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

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

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40285219

40285219

Client Name: Fehr Graham

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 - 141 **Type of Ice:** Wet Blue Dry (None) ☐ Meltwater Only

Cooler Temperature Uncorr: N/A /Corr: N/A

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

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

Person examining contents:
Date: 10/4/24 /Initials: GF

Labeled By Initials: mH

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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

September 03, 2024

Dillon Plamann
Fehr Graham Engineering & Environmental
909 N. 8th Street
Suite 101
Sheboygan, WI 53081

RE: Project: Commonwealth - Wausau
Pace Project No.: 40283117

Dear Dillon Plamann:

Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 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,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40283117001	**SB-1 (0-4')**	Solid	08/21/24 10:25	08/23/24 13:55
40283117002	**SB-1 (4-8')**	Solid	08/21/24 10:35	08/23/24 13:55
40283117003	**SB-1 (8-12')**	Solid	08/21/24 10:40	08/23/24 13:55
40283117004	**SB-1 (38-40')**	Solid	08/21/24 11:05	08/23/24 13:55
40283117005	**SB-1 (48')**	Solid	08/21/24 10:45	08/23/24 13:55
40283117006	**SB-2 (1-4')**	Solid	08/21/24 08:50	08/23/24 13:55
40283117007	**SB-2 (4-8')**	Solid	08/21/24 09:00	08/23/24 13:55
40283117008	**SB-2 (8-12')**	Solid	08/21/24 09:05	08/23/24 13:55
40283117009	**SB-2 (40-42')**	Solid	08/21/24 09:28	08/23/24 13:55
40283117010	**SB-2 (48')**	Solid	08/21/24 09:10	08/23/24 13:55
40283117011	**SB-3 (0-4')**	Solid	08/21/24 12:00	08/23/24 13:55
40283117012	**SB-3 (4-8')**	Solid	08/21/24 12:10	08/23/24 13:55
40283117013	**SB-3 (8-12')**	Solid	08/21/24 12:15	08/23/24 13:55
40283117014	**SB-3 (40')**	Solid	08/21/24 12:40	08/23/24 13:55
40283117015	**SB-3 (48')**	Solid	08/21/24 12:20	08/23/24 13:55
40283117016	**SB-4 (0-4')**	Solid	08/21/24 13:40	08/23/24 13:55
40283117017	**SB-4 (30')**	Solid	08/21/24 14:05	08/23/24 13:55
40283117018	**SB-4 (48')**	Solid	08/21/24 13:30	08/23/24 13:55
40283117019	**SB-5 (0-4')**	Solid	08/21/24 14:50	08/23/24 13:55
40283117020	**SB-5 (28')**	Solid	08/21/24 15:20	08/23/24 13:55
40283117021	**SB-5 (48')**	Solid	08/21/24 15:00	08/23/24 13:55
40283117022	**SB-6 (0-4')**	Solid	08/21/24 16:10	08/23/24 13:55
40283117023	**SB-6 (8')**	Solid	08/21/24 16:40	08/23/24 13:55
40283117024	**SB-6 (48')**	Solid	08/21/24 16:20	08/23/24 13:55
40283117025	**TRIP BLANK**	Solid	08/21/24 00:00	08/23/24 13:55

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40283117001	**SB-1 (0-4')**	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117002	**SB-1 (4-8')**	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117003	**SB-1 (8-12')**	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117004	**SB-1 (38-40')**	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117005	**SB-1 (48')**	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117006	**SB-2 (1-4')**	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117007	**SB-2 (4-8')**	EPA 8082A	BLM	10	PASI-G

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SAMPLE ANALYTE COUNT

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117008	**SB-2 (8-12')**	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117009	**SB-2 (40-42')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117010	**SB-2 (48')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117011	**SB-3 (0-4')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117012	**SB-3 (4-8')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117013	**SB-3 (8-12')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117014	**SB-3 (40')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117015	**SB-3 (48')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117016	**SB-4 (0-4')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117017	**SB-4 (30')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117018	**SB-4 (48')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117019	**SB-5 (0-4')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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SAMPLE ANALYTE COUNT

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	MJV	1	PASI-G
40283117020	**SB-5 (28')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	NMK	1	PASI-G
40283117021	**SB-5 (48')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	NMK	1	PASI-G
40283117022	**SB-6 (0-4')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	NMK	1	PASI-G
40283117023	**SB-6 (8')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	NMK	1	PASI-G
40283117024	**SB-6 (48')**	EPA 8082A	BDS	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	66	PASI-G
		ASTM D2974-87	NMK	1	PASI-G
40283117025	**TRIP BLANK**	EPA 8260	ALD	66	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40283117001	**SB-1 (0-4')**					
EPA 6010D	Arsenic	1.6J	mg/kg	2.7	08/27/24 19:29	
EPA 6010D	Barium	56.9	mg/kg	0.53	08/27/24 19:29	M0
EPA 6010D	Chromium	11.2	mg/kg	1.1	08/27/24 19:29	
EPA 6010D	Lead	22.8	mg/kg	2.1	08/27/24 19:29	M0, R1
EPA 7471	Mercury	0.019J	mg/kg	0.034	08/28/24 09:10	
EPA 8270E by SIM	Acenaphthylene	16.8J	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Anthracene	15.6J	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Benzo(a)anthracene	105	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Benzo(a)pyrene	159	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Benzo(b)fluoranthene	234	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Benzo(g,h,i)perylene	138	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Benzo(k)fluoranthene	85.9	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Chrysene	145	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Dibenz(a,h)anthracene	30.7	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Fluoranthene	235	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Fluorene	3.2J	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	110	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	2-Methylnaphthalene	3.0J	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Naphthalene	4.1J	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Phenanthrene	51.0	ug/kg	17.9	08/27/24 14:00	
EPA 8270E by SIM	Pyrene	175	ug/kg	17.9	08/27/24 14:00	
ASTM D2974-87	Percent Moisture	6.7	%	0.10	08/27/24 16:39	
40283117002	**SB-1 (4-8')**					
EPA 6010D	Barium	31.6	mg/kg	0.49	08/27/24 19:37	
EPA 6010D	Chromium	11.2	mg/kg	0.99	08/27/24 19:37	
EPA 6010D	Lead	2.7	mg/kg	2.0	08/27/24 19:37	
EPA 8270E by SIM	Benzo(a)anthracene	5.2J	ug/kg	17.3	08/27/24 11:11	
EPA 8270E by SIM	Benzo(a)pyrene	4.0J	ug/kg	17.3	08/27/24 11:11	
EPA 8270E by SIM	Benzo(b)fluoranthene	5.1J	ug/kg	17.3	08/27/24 11:11	
EPA 8270E by SIM	Benzo(k)fluoranthene	2.7J	ug/kg	17.3	08/27/24 11:11	
EPA 8270E by SIM	Chrysene	4.1J	ug/kg	17.3	08/27/24 11:11	
EPA 8270E by SIM	Fluoranthene	9.2J	ug/kg	17.3	08/27/24 11:11	
EPA 8270E by SIM	Phenanthrene	4.8J	ug/kg	17.3	08/27/24 11:11	
EPA 8270E by SIM	Pyrene	7.7J	ug/kg	17.3	08/27/24 11:11	
ASTM D2974-87	Percent Moisture	3.6	%	0.10	08/27/24 16:39	
40283117003	**SB-1 (8-12')**					
EPA 6010D	Barium	29.0	mg/kg	0.46	08/27/24 19:41	
EPA 6010D	Chromium	8.0	mg/kg	0.92	08/27/24 19:41	
EPA 6010D	Lead	2.3	mg/kg	1.8	08/27/24 19:41	
ASTM D2974-87	Percent Moisture	4.1	%	0.10	08/27/24 16:39	
40283117004	**SB-1 (38-40')**					
EPA 6010D	Barium	8.6	mg/kg	0.48	08/27/24 19:43	
EPA 6010D	Chromium	5.0	mg/kg	0.96	08/27/24 19:43	
ASTM D2974-87	Percent Moisture	2.6	%	0.10	08/27/24 16:40	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40283117005	**SB-1 (48')**					
EPA 6010D	Barium	16.4	mg/kg	0.55	08/27/24 19:49	
EPA 6010D	Chromium	6.7	mg/kg	1.1	08/27/24 19:49	
EPA 6010D	Lead	0.90J	mg/kg	2.2	08/27/24 19:49	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	08/27/24 16:40	
40283117006	**SB-2 (1-4')**					
EPA 6010D	Barium	98.0	mg/kg	0.54	08/27/24 19:51	
EPA 6010D	Chromium	8.7	mg/kg	1.1	08/27/24 19:51	
EPA 6010D	Lead	22.1	mg/kg	2.2	08/27/24 19:51	
EPA 6010D	Silver	0.49J	mg/kg	1.1	08/27/24 19:51	
EPA 7471	Mercury	0.013J	mg/kg	0.034	08/28/24 09:27	
EPA 8270E by SIM	Anthracene	4.7J	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Benzo(a)anthracene	28.8	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Benzo(a)pyrene	36.4	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Benzo(b)fluoranthene	54.3	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Benzo(g,h,i)perylene	25.0	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Benzo(k)fluoranthene	21.1	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Chrysene	37.0	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Dibenz(a,h)anthracene	5.9J	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Fluoranthene	68.2	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	20.2	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Phenanthrene	13.2J	ug/kg	18.0	08/27/24 14:15	
EPA 8270E by SIM	Pyrene	53.3	ug/kg	18.0	08/27/24 14:15	
ASTM D2974-87	Percent Moisture	7.1	%	0.10	08/27/24 16:40	
40283117007	**SB-2 (4-8')**					
EPA 6010D	Barium	18.1	mg/kg	0.51	08/27/24 19:53	
EPA 6010D	Chromium	9.1	mg/kg	1.0	08/27/24 19:53	
EPA 6010D	Lead	12.5	mg/kg	2.0	08/27/24 19:53	
EPA 8270E by SIM	Acenaphthene	7.8J	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Acenaphthylene	25.1J	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Anthracene	42.8J	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Benzo(a)anthracene	235	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Benzo(a)pyrene	300	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Benzo(b)fluoranthene	429	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Benzo(g,h,i)perylene	238	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Benzo(k)fluoranthene	157	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Chrysene	266	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Dibenz(a,h)anthracene	50.9	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Fluoranthene	584	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Fluorene	8.6J	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	180	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Naphthalene	7.3J	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Phenanthrene	133	ug/kg	44.3	08/27/24 14:31	
EPA 8270E by SIM	Pyrene	435	ug/kg	44.3	08/27/24 14:31	
ASTM D2974-87	Percent Moisture	5.7	%	0.10	08/27/24 16:40	
40283117008	**SB-2 (8-12')**					
EPA 6010D	Barium	5.9	mg/kg	0.51	08/27/24 19:55	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40283117008	**SB-2 (8-12')**					
EPA 6010D	Chromium	10.7	mg/kg	1.0	08/27/24 19:55	
EPA 6010D	Lead	2.0J	mg/kg	2.0	08/27/24 19:55	
ASTM D2974-87	Percent Moisture	2.5	%	0.10	08/27/24 16:40	
40283117009	**SB-2 (40-42')**					
EPA 6010D	Barium	16.0	mg/kg	0.51	08/27/24 19:57	
EPA 6010D	Chromium	8.0	mg/kg	1.0	08/27/24 19:57	
EPA 6010D	Lead	1.0J	mg/kg	2.0	08/27/24 19:57	
EPA 8270E by SIM	Fluoranthene	2.3J	ug/kg	17.1	08/27/24 12:12	
ASTM D2974-87	Percent Moisture	2.2	%	0.10	08/27/24 16:40	
40283117010	**SB-2 (48')**					
EPA 6010D	Barium	27.8	mg/kg	0.54	08/27/24 19:59	
EPA 6010D	Chromium	15.2	mg/kg	1.1	08/27/24 19:59	
EPA 6010D	Lead	2.0J	mg/kg	2.1	08/27/24 19:59	
EPA 7471	Mercury	0.011J	mg/kg	0.038	08/28/24 09:50	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	08/27/24 16:41	
40283117011	**SB-3 (0-4')**					
EPA 6010D	Arsenic	4.6	mg/kg	2.6	08/27/24 20:01	
EPA 6010D	Barium	116	mg/kg	0.51	08/27/24 20:01	
EPA 6010D	Cadmium	0.19J	mg/kg	0.51	08/27/24 20:01	
EPA 6010D	Chromium	13.2	mg/kg	1.0	08/27/24 20:01	
EPA 6010D	Lead	44.4	mg/kg	2.0	08/27/24 20:01	
EPA 7471	Mercury	0.21	mg/kg	0.035	08/28/24 09:52	
EPA 8270E by SIM	Acenaphthylene	2.5J	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Anthracene	6.9J	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Benzo(a)anthracene	18.3	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Benzo(a)pyrene	18.0J	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Benzo(b)fluoranthene	23.4	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Benzo(g,h,i)perylene	14.2J	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Benzo(k)fluoranthene	9.8J	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Chrysene	19.2	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Dibenz(a,h)anthracene	3.5J	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Fluoranthene	38.0	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Fluorene	2.6J	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	10.6J	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Phenanthrene	26.9	ug/kg	18.2	08/27/24 12:43	
EPA 8270E by SIM	Pyrene	28.7	ug/kg	18.2	08/27/24 12:43	
ASTM D2974-87	Percent Moisture	8.0	%	0.10	08/27/24 16:41	
40283117012	**SB-3 (4-8')**					
EPA 6010D	Barium	23.3	mg/kg	0.53	08/27/24 20:03	
EPA 6010D	Chromium	7.8	mg/kg	1.1	08/27/24 20:03	
EPA 6010D	Lead	1.3J	mg/kg	2.1	08/27/24 20:03	
ASTM D2974-87	Percent Moisture	6.2	%	0.10	08/27/24 16:41	
40283117013	**SB-3 (8-12')**					
EPA 6010D	Barium	20.8	mg/kg	0.48	08/27/24 20:05	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40283117013	**SB-3 (8-12')**					
EPA 6010D	Chromium	6.6	mg/kg	0.96	08/27/24 20:05	
EPA 6010D	Lead	1.1J	mg/kg	1.9	08/27/24 20:05	
ASTM D2974-87	Percent Moisture	4.9	%	0.10	08/27/24 16:41	
40283117014	**SB-3 (40')**					
EPA 6010D	Barium	15.4	mg/kg	0.45	08/27/24 20:07	
EPA 6010D	Chromium	9.7	mg/kg	0.91	08/27/24 20:07	
EPA 6010D	Lead	1.1J	mg/kg	1.8	08/27/24 20:07	
ASTM D2974-87	Percent Moisture	0.79	%	0.10	08/27/24 16:41	
40283117015	**SB-3 (48')**					
EPA 6010D	Barium	21.4	mg/kg	0.50	08/27/24 20:13	
EPA 6010D	Chromium	14.4	mg/kg	0.99	08/27/24 20:13	
EPA 6010D	Lead	1.0J	mg/kg	2.0	08/27/24 20:13	
ASTM D2974-87	Percent Moisture	8.4	%	0.10	08/27/24 16:41	
40283117016	**SB-4 (0-4')**					
EPA 6010D	Arsenic	3.8	mg/kg	2.5	08/27/24 20:15	
EPA 6010D	Barium	61.7	mg/kg	0.50	08/27/24 20:15	
EPA 6010D	Chromium	21.6	mg/kg	0.99	08/27/24 20:15	
EPA 6010D	Lead	6.0	mg/kg	2.0	08/27/24 20:15	
EPA 6010D	Silver	0.38J	mg/kg	0.99	08/27/24 20:15	
EPA 7471	Mercury	0.062	mg/kg	0.034	08/28/24 10:03	
EPA 8270E by SIM	Anthracene	3.7J	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Benzo(a)anthracene	22.1	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Benzo(a)pyrene	29.8	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Benzo(b)fluoranthene	41.5	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Benzo(g,h,i)perylene	21.4	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Benzo(k)fluoranthene	16.5J	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Chrysene	29.2	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Dibenz(a,h)anthracene	5.5J	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Fluoranthene	58.0	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	17.8J	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Naphthalene	2.4J	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Phenanthrene	19.7	ug/kg	18.3	08/27/24 16:03	
EPA 8270E by SIM	Pyrene	44.6	ug/kg	18.3	08/27/24 16:03	
ASTM D2974-87	Percent Moisture	8.8	%	0.10	08/27/24 16:41	
40283117017	**SB-4 (30')**					
EPA 6010D	Barium	9.0	mg/kg	0.50	08/27/24 20:17	
EPA 6010D	Chromium	4.2	mg/kg	1.0	08/27/24 20:17	
EPA 6010D	Lead	0.71J	mg/kg	2.0	08/27/24 20:17	
ASTM D2974-87	Percent Moisture	3.3	%	0.10	08/27/24 16:42	
40283117018	**SB-4 (48')**					
EPA 6010D	Barium	14.9	mg/kg	0.56	08/27/24 20:19	
EPA 6010D	Chromium	8.8	mg/kg	1.1	08/27/24 20:19	
EPA 6010D	Lead	1.4J	mg/kg	2.2	08/27/24 20:19	
EPA 7471	Mercury	0.011J	mg/kg	0.037	08/28/24 10:08	

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40283117018	**SB-4 (48')**					
EPA 8270E by SIM	1-Methylnaphthalene	36.5	ug/kg	19.3	08/27/24 15:47	
EPA 8270E by SIM	2-Methylnaphthalene	23.3	ug/kg	19.3	08/27/24 15:47	
EPA 8270E by SIM	Naphthalene	30.0	ug/kg	19.3	08/27/24 15:47	
ASTM D2974-87	Percent Moisture	13.7	%	0.10	08/27/24 16:42	
40283117019	**SB-5 (0-4')**					
EPA 6010D	Arsenic	5.3	mg/kg	2.8	08/27/24 20:21	
EPA 6010D	Barium	229	mg/kg	0.55	08/27/24 20:21	
EPA 6010D	Cadmium	0.15J	mg/kg	0.55	08/27/24 20:21	
EPA 6010D	Chromium	13.6	mg/kg	1.1	08/27/24 20:21	
EPA 6010D	Lead	60.4	mg/kg	2.2	08/27/24 20:21	
EPA 7471	Mercury	0.11	mg/kg	0.037	08/28/24 10:10	
EPA 8270E by SIM	Acenaphthene	5.9J	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Acenaphthylene	23.7	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Anthracene	31.8	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Benzo(a)anthracene	137	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Benzo(a)pyrene	177	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Benzo(b)fluoranthene	237	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Benzo(g,h,i)perylene	127	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Benzo(k)fluoranthene	88.2	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Chrysene	185	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Dibenz(a,h)anthracene	32.7	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Fluoranthene	363	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Fluorene	11.3J	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	103	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	1-Methylnaphthalene	14.8J	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	2-Methylnaphthalene	17.3J	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Naphthalene	18.7	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Phenanthrene	179	ug/kg	18.6	08/27/24 16:18	
EPA 8270E by SIM	Pyrene	270	ug/kg	18.6	08/27/24 16:18	
ASTM D2974-87	Percent Moisture	10.1	%	0.10	08/27/24 16:42	
40283117020	**SB-5 (28')**					
EPA 6010D	Barium	32.5	mg/kg	0.49	08/27/24 20:23	
EPA 6010D	Chromium	12.2	mg/kg	0.98	08/27/24 20:23	
EPA 6010D	Lead	1.2J	mg/kg	2.0	08/27/24 20:23	
ASTM D2974-87	Percent Moisture	1.8	%	0.10	08/28/24 10:05	
40283117021	**SB-5 (48')**					
EPA 6010D	Barium	16.6	mg/kg	0.56	08/27/24 19:12	
EPA 6010D	Chromium	7.5	mg/kg	1.1	08/27/24 19:12	
EPA 6010D	Lead	1.3J	mg/kg	2.2	08/27/24 19:12	
EPA 7471	Mercury	0.012J	mg/kg	0.039	08/28/24 10:20	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	08/28/24 10:05	
40283117022	**SB-6 (0-4')**					
EPA 6010D	Arsenic	2.6	mg/kg	2.6	08/27/24 19:14	
EPA 6010D	Barium	102	mg/kg	0.52	08/27/24 19:14	
EPA 6010D	Chromium	12.0	mg/kg	1.0	08/27/24 19:14	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40283117022	**SB-6 (0-4')**					
EPA 6010D	Lead	14.4	mg/kg	2.1	08/27/24 19:14	
EPA 7471	Mercury	0.063	mg/kg	0.037	08/28/24 10:22	
EPA 8270E by SIM	Acenaphthene	5.6J	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Acenaphthylene	20.4J	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Anthracene	34.4J	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Benzo(a)anthracene	304	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Benzo(a)pyrene	415	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Benzo(b)fluoranthene	588	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Benzo(g,h,i)perylene	335	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Benzo(k)fluoranthene	211	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Chrysene	385	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Dibenz(a,h)anthracene	78.8	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Fluoranthene	683	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Fluorene	4.8J	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	270	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	1-Methylnaphthalene	7.7J	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	2-Methylnaphthalene	8.6J	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Naphthalene	10.2J	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Phenanthrene	129	ug/kg	37.5	08/28/24 15:07	
EPA 8270E by SIM	Pyrene	502	ug/kg	37.5	08/28/24 15:07	
ASTM D2974-87	Percent Moisture	10.9	%	0.10	08/28/24 10:05	
40283117023	**SB-6 (8')**					
EPA 6010D	Barium	17.6	mg/kg	0.52	08/27/24 19:16	
EPA 6010D	Chromium	8.5	mg/kg	1.0	08/27/24 19:16	
EPA 6010D	Lead	1.1J	mg/kg	2.1	08/27/24 19:16	
EPA 7471	Mercury	0.011J	mg/kg	0.034	08/28/24 10:24	
ASTM D2974-87	Percent Moisture	5.1	%	0.10	08/28/24 10:05	
40283117024	**SB-6 (48')**					
EPA 6010D	Barium	19.2	mg/kg	0.57	08/27/24 19:17	
EPA 6010D	Chromium	7.0	mg/kg	1.1	08/27/24 19:17	
EPA 6010D	Lead	1.1J	mg/kg	2.3	08/27/24 19:17	
EPA 7471	Mercury	0.011J	mg/kg	0.036	08/28/24 10:27	
EPA 8270E by SIM	Naphthalene	2.1J	ug/kg	19.4	08/28/24 14:52	
ASTM D2974-87	Percent Moisture	14.0	%	0.10	08/28/24 10:05	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (0-4') **Lab ID: 40283117001** Collected: 08/21/24 10:25 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.3**	ug/kg	53.5	16.3	1	08/28/24 12:00	08/29/24 05:49	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.3**	ug/kg	53.5	16.3	1	08/28/24 12:00	08/29/24 05:49	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.3**	ug/kg	53.5	16.3	1	08/28/24 12:00	08/29/24 05:49	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.3**	ug/kg	53.5	16.3	1	08/28/24 12:00	08/29/24 05:49	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.3**	ug/kg	53.5	16.3	1	08/28/24 12:00	08/29/24 05:49	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.3**	ug/kg	53.5	16.3	1	08/28/24 12:00	08/29/24 05:49	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.3**	ug/kg	53.5	16.3	1	08/28/24 12:00	08/29/24 05:49	11096-82-5	
PCB, Total	**<16.3**	ug/kg	53.5	16.3	1	08/28/24 12:00	08/29/24 05:49	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	65-120		1	08/28/24 12:00	08/29/24 05:49	877-09-8	
Decachlorobiphenyl (S)	61	%	55-120		1	08/28/24 12:00	08/29/24 05:49	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**1.6J**	mg/kg	2.7	1.6	1	08/27/24 06:00	08/27/24 19:29	7440-38-2	
Barium	**56.9**	mg/kg	0.53	0.16	1	08/27/24 06:00	08/27/24 19:29	7440-39-3	M0
Cadmium	**<0.14**	mg/kg	0.53	0.14	1	08/27/24 06:00	08/27/24 19:29	7440-43-9	
Chromium	**11.2**	mg/kg	1.1	0.30	1	08/27/24 06:00	08/27/24 19:29	7440-47-3	
Lead	**22.8**	mg/kg	2.1	0.64	1	08/27/24 06:00	08/27/24 19:29	7439-92-1	M0,R1
Selenium	**<1.4**	mg/kg	4.3	1.4	1	08/27/24 06:00	08/27/24 19:29	7782-49-2	
Silver	**<0.33**	mg/kg	1.1	0.33	1	08/27/24 06:00	08/27/24 19:29	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.019J**	mg/kg	0.034	0.0097	1	08/27/24 08:30	08/28/24 09:10	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.9	2.3	1	08/27/24 07:55	08/27/24 14:00	83-32-9	
Acenaphthylene	**16.8J**	ug/kg	17.9	2.3	1	08/27/24 07:55	08/27/24 14:00	208-96-8	
Anthracene	**15.6J**	ug/kg	17.9	2.2	1	08/27/24 07:55	08/27/24 14:00	120-12-7	
Benzo(a)anthracene	**105**	ug/kg	17.9	2.3	1	08/27/24 07:55	08/27/24 14:00	56-55-3	
Benzo(a)pyrene	**159**	ug/kg	17.9	2.0	1	08/27/24 07:55	08/27/24 14:00	50-32-8	
Benzo(b)fluoranthene	**234**	ug/kg	17.9	2.5	1	08/27/24 07:55	08/27/24 14:00	205-99-2	
Benzo(g,h,i)perylene	**138**	ug/kg	17.9	3.1	1	08/27/24 07:55	08/27/24 14:00	191-24-2	
Benzo(k)fluoranthene	**85.9**	ug/kg	17.9	2.3	1	08/27/24 07:55	08/27/24 14:00	207-08-9	
Chrysene	**145**	ug/kg	17.9	3.4	1	08/27/24 07:55	08/27/24 14:00	218-01-9	
Dibenz(a,h)anthracene	**30.7**	ug/kg	17.9	2.5	1	08/27/24 07:55	08/27/24 14:00	53-70-3	
Fluoranthene	**235**	ug/kg	17.9	2.1	1	08/27/24 07:55	08/27/24 14:00	206-44-0	
Fluorene	**3.2J**	ug/kg	17.9	2.1	1	08/27/24 07:55	08/27/24 14:00	86-73-7	
Indeno(1,2,3-cd)pyrene	**110**	ug/kg	17.9	3.7	1	08/27/24 07:55	08/27/24 14:00	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.9	2.6	1	08/27/24 07:55	08/27/24 14:00	90-12-0	
2-Methylnaphthalene	**3.0J**	ug/kg	17.9	2.6	1	08/27/24 07:55	08/27/24 14:00	91-57-6	
Naphthalene	**4.1J**	ug/kg	17.9	1.7	1	08/27/24 07:55	08/27/24 14:00	91-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (0-4') **Lab ID: 40283117001** Collected: 08/21/24 10:25 Received: 08/23/24 13:55 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	**51.0**	ug/kg	17.9	2.1	1	08/27/24 07:55	08/27/24 14:00	85-01-8	
Pyrene	**175**	ug/kg	17.9	2.6	1	08/27/24 07:55	08/27/24 14:00	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	75	%	39-120		1	08/27/24 07:55	08/27/24 14:00	321-60-8	
Terphenyl-d14 (S)	74	%	36-120		1	08/27/24 07:55	08/27/24 14:00	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.6**	ug/kg	22.9	13.6	1	08/27/24 08:30	08/27/24 13:01	71-43-2	
Bromobenzene	**<22.3**	ug/kg	57.2	22.3	1	08/27/24 08:30	08/27/24 13:01	108-86-1	
Bromochloromethane	**<15.7**	ug/kg	57.2	15.7	1	08/27/24 08:30	08/27/24 13:01	74-97-5	
Bromodichloromethane	**<13.6**	ug/kg	57.2	13.6	1	08/27/24 08:30	08/27/24 13:01	75-27-4	
Bromoform	**<252**	ug/kg	286	252	1	08/27/24 08:30	08/27/24 13:01	75-25-2	
Bromomethane	**<80.2**	ug/kg	286	80.2	1	08/27/24 08:30	08/27/24 13:01	74-83-9	
n-Butylbenzene	**<26.2**	ug/kg	57.2	26.2	1	08/27/24 08:30	08/27/24 13:01	104-51-8	
sec-Butylbenzene	**<19.6**	ug/kg	57.2	19.6	1	08/27/24 08:30	08/27/24 13:01	135-98-8	
tert-Butylbenzene	**<18.0**	ug/kg	57.2	18.0	1	08/27/24 08:30	08/27/24 13:01	98-06-6	
Carbon tetrachloride	**<12.6**	ug/kg	57.2	12.6	1	08/27/24 08:30	08/27/24 13:01	56-23-5	
Chlorobenzene	**<6.9**	ug/kg	57.2	6.9	1	08/27/24 08:30	08/27/24 13:01	108-90-7	
Chloroethane	**<24.1**	ug/kg	286	24.1	1	08/27/24 08:30	08/27/24 13:01	75-00-3	
Chloroform	**<41.0**	ug/kg	286	41.0	1	08/27/24 08:30	08/27/24 13:01	67-66-3	
Chloromethane	**<21.7**	ug/kg	57.2	21.7	1	08/27/24 08:30	08/27/24 13:01	74-87-3	
2-Chlorotoluene	**<18.5**	ug/kg	57.2	18.5	1	08/27/24 08:30	08/27/24 13:01	95-49-8	
4-Chlorotoluene	**<21.7**	ug/kg	57.2	21.7	1	08/27/24 08:30	08/27/24 13:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<44.4**	ug/kg	286	44.4	1	08/27/24 08:30	08/27/24 13:01	96-12-8	
Dibromochloromethane	**<196**	ug/kg	286	196	1	08/27/24 08:30	08/27/24 13:01	124-48-1	
1,2-Dibromoethane (EDB)	**<15.7**	ug/kg	57.2	15.7	1	08/27/24 08:30	08/27/24 13:01	106-93-4	
Dibromomethane	**<16.9**	ug/kg	57.2	16.9	1	08/27/24 08:30	08/27/24 13:01	74-95-3	
1,2-Dichlorobenzene	**<17.7**	ug/kg	57.2	17.7	1	08/27/24 08:30	08/27/24 13:01	95-50-1	
1,3-Dichlorobenzene	**<15.7**	ug/kg	57.2	15.7	1	08/27/24 08:30	08/27/24 13:01	541-73-1	
1,4-Dichlorobenzene	**<15.7**	ug/kg	57.2	15.7	1	08/27/24 08:30	08/27/24 13:01	106-46-7	
Dichlorodifluoromethane	**<24.6**	ug/kg	57.2	24.6	1	08/27/24 08:30	08/27/24 13:01	75-71-8	
1,1-Dichloroethane	**<14.6**	ug/kg	57.2	14.6	1	08/27/24 08:30	08/27/24 13:01	75-34-3	
1,2-Dichloroethane	**<13.2**	ug/kg	57.2	13.2	1	08/27/24 08:30	08/27/24 13:01	107-06-2	
1,1-Dichloroethene	**<19.0**	ug/kg	57.2	19.0	1	08/27/24 08:30	08/27/24 13:01	75-35-4	
cis-1,2-Dichloroethene	**<12.2**	ug/kg	57.2	12.2	1	08/27/24 08:30	08/27/24 13:01	156-59-2	
trans-1,2-Dichloroethene	**<12.5**	ug/kg	57.2	12.5	1	08/27/24 08:30	08/27/24 13:01	156-60-5	
1,2-Dichloropropane	**<13.6**	ug/kg	57.2	13.6	1	08/27/24 08:30	08/27/24 13:01	78-87-5	
1,3-Dichloropropane	**<12.5**	ug/kg	57.2	12.5	1	08/27/24 08:30	08/27/24 13:01	142-28-9	
2,2-Dichloropropane	**<15.4**	ug/kg	57.2	15.4	1	08/27/24 08:30	08/27/24 13:01	594-20-7	
1,1-Dichloropropene	**<18.5**	ug/kg	57.2	18.5	1	08/27/24 08:30	08/27/24 13:01	563-58-6	
cis-1,3-Dichloropropene	**<37.8**	ug/kg	286	37.8	1	08/27/24 08:30	08/27/24 13:01	10061-01-5	
trans-1,3-Dichloropropene	**<164**	ug/kg	286	164	1	08/27/24 08:30	08/27/24 13:01	10061-02-6	
Diisopropyl ether	**<14.2**	ug/kg	57.2	14.2	1	08/27/24 08:30	08/27/24 13:01	108-20-3	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (0-4') **Lab ID: 40283117001** Collected: 08/21/24 10:25 Received: 08/23/24 13:55 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								
Ethylbenzene	**<13.6**	ug/kg	57.2	13.6	1	08/27/24 08:30	08/27/24 13:01	100-41-4	
Hexachloro-1,3-butadiene	**<114**	ug/kg	286	114	1	08/27/24 08:30	08/27/24 13:01	87-68-3	
Isopropylbenzene (Cumene)	**<15.4**	ug/kg	57.2	15.4	1	08/27/24 08:30	08/27/24 13:01	98-82-8	
p-Isopropyltoluene	**<19.4**	ug/kg	57.2	19.4	1	08/27/24 08:30	08/27/24 13:01	99-87-6	
Methylene Chloride	**<15.9**	ug/kg	57.2	15.9	1	08/27/24 08:30	08/27/24 13:01	75-09-2	
Methyl-tert-butyl ether	**<16.8**	ug/kg	57.2	16.8	1	08/27/24 08:30	08/27/24 13:01	1634-04-4	
Naphthalene	**<24.1**	ug/kg	286	24.1	1	08/27/24 08:30	08/27/24 13:01	91-20-3	
n-Propylbenzene	**<13.7**	ug/kg	57.2	13.7	1	08/27/24 08:30	08/27/24 13:01	103-65-1	
Styrene	**<14.6**	ug/kg	57.2	14.6	1	08/27/24 08:30	08/27/24 13:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.7**	ug/kg	57.2	13.7	1	08/27/24 08:30	08/27/24 13:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.7**	ug/kg	57.2	20.7	1	08/27/24 08:30	08/27/24 13:01	79-34-5	
Tetrachloroethene	**<22.2**	ug/kg	57.2	22.2	1	08/27/24 08:30	08/27/24 13:01	127-18-4	
Toluene	**<14.4**	ug/kg	57.2	14.4	1	08/27/24 08:30	08/27/24 13:01	108-88-3	
Total Trimethylbenzenes	**<35.6**	ug/kg	114	35.6	1	08/27/24 08:30	08/27/24 13:01		
1,2,3-Trichlorobenzene	**<63.7**	ug/kg	286	63.7	1	08/27/24 08:30	08/27/24 13:01	87-61-6	
1,2,4-Trichlorobenzene	**<47.1**	ug/kg	286	47.1	1	08/27/24 08:30	08/27/24 13:01	120-82-1	
1,1,1-Trichloroethane	**<14.6**	ug/kg	57.2	14.6	1	08/27/24 08:30	08/27/24 13:01	71-55-6	
1,1,2-Trichloroethane	**<20.8**	ug/kg	57.2	20.8	1	08/27/24 08:30	08/27/24 13:01	79-00-5	
Trichloroethene	**<21.4**	ug/kg	57.2	21.4	1	08/27/24 08:30	08/27/24 13:01	79-01-6	
Trichlorofluoromethane	**<16.6**	ug/kg	57.2	16.6	1	08/27/24 08:30	08/27/24 13:01	75-69-4	
1,2,3-Trichloropropane	**<27.8**	ug/kg	57.2	27.8	1	08/27/24 08:30	08/27/24 13:01	96-18-4	
1,2,4-Trimethylbenzene	**<17.0**	ug/kg	57.2	17.0	1	08/27/24 08:30	08/27/24 13:01	95-63-6	
1,3,5-Trimethylbenzene	**<18.4**	ug/kg	57.2	18.4	1	08/27/24 08:30	08/27/24 13:01	108-67-8	
Vinyl chloride	**<11.6**	ug/kg	57.2	11.6	1	08/27/24 08:30	08/27/24 13:01	75-01-4	
Xylene (Total)	**<41.3**	ug/kg	172	41.3	1	08/27/24 08:30	08/27/24 13:01	1330-20-7	
m&p-Xylene	**<24.1**	ug/kg	114	24.1	1	08/27/24 08:30	08/27/24 13:01	179601-23-1	
o-Xylene	**<17.2**	ug/kg	57.2	17.2	1	08/27/24 08:30	08/27/24 13:01	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	126	%	67-144		1	08/27/24 08:30	08/27/24 13:01	2199-69-1	
4-Bromofluorobenzene (S)	127	%	72-142		1	08/27/24 08:30	08/27/24 13:01	460-00-4	
Toluene-d8 (S)	118	%	70-139		1	08/27/24 08:30	08/27/24 13:01	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**6.7**	%	0.10	0.10	1		08/27/24 16:39		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (4-8') **Lab ID: 40283117002** Collected: 08/21/24 10:35 Received: 08/23/24 13:55 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)	**<15.8**	ug/kg	51.9	15.8	1	08/28/24 12:00	08/28/24 23:17	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.8**	ug/kg	51.9	15.8	1	08/28/24 12:00	08/28/24 23:17	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.8**	ug/kg	51.9	15.8	1	08/28/24 12:00	08/28/24 23:17	11141-16-5	
PCB-1242 (Aroclor 1242)	**<15.8**	ug/kg	51.9	15.8	1	08/28/24 12:00	08/28/24 23:17	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.8**	ug/kg	51.9	15.8	1	08/28/24 12:00	08/28/24 23:17	12672-29-6	
PCB-1254 (Aroclor 1254)	**<15.8**	ug/kg	51.9	15.8	1	08/28/24 12:00	08/28/24 23:17	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.8**	ug/kg	51.9	15.8	1	08/28/24 12:00	08/28/24 23:17	11096-82-5	
PCB, Total	**<15.8**	ug/kg	51.9	15.8	1	08/28/24 12:00	08/28/24 23:17	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	65-120		1	08/28/24 12:00	08/28/24 23:17	877-09-8	
Decachlorobiphenyl (S)	73	%	55-120		1	08/28/24 12:00	08/28/24 23:17	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.4**	mg/kg	2.5	1.4	1	08/27/24 06:00	08/27/24 19:37	7440-38-2	
Barium	**31.6**	mg/kg	0.49	0.15	1	08/27/24 06:00	08/27/24 19:37	7440-39-3	
Cadmium	**<0.13**	mg/kg	0.49	0.13	1	08/27/24 06:00	08/27/24 19:37	7440-43-9	
Chromium	**11.2**	mg/kg	0.99	0.27	1	08/27/24 06:00	08/27/24 19:37	7440-47-3	
Lead	**2.7**	mg/kg	2.0	0.59	1	08/27/24 06:00	08/27/24 19:37	7439-92-1	
Selenium	**<1.3**	mg/kg	3.9	1.3	1	08/27/24 06:00	08/27/24 19:37	7782-49-2	
Silver	**<0.30**	mg/kg	0.99	0.30	1	08/27/24 06:00	08/27/24 19:37	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.010**	mg/kg	0.035	0.010	1	08/27/24 08:30	08/28/24 09:13	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	17.3	2.2	1	08/27/24 07:55	08/27/24 11:11	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.3	2.2	1	08/27/24 07:55	08/27/24 11:11	208-96-8	
Anthracene	**<2.1**	ug/kg	17.3	2.1	1	08/27/24 07:55	08/27/24 11:11	120-12-7	
Benzo(a)anthracene	**5.2J**	ug/kg	17.3	2.2	1	08/27/24 07:55	08/27/24 11:11	56-55-3	
Benzo(a)pyrene	**4.0J**	ug/kg	17.3	2.0	1	08/27/24 07:55	08/27/24 11:11	50-32-8	
Benzo(b)fluoranthene	**5.1J**	ug/kg	17.3	2.4	1	08/27/24 07:55	08/27/24 11:11	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.3	3.0	1	08/27/24 07:55	08/27/24 11:11	191-24-2	
Benzo(k)fluoranthene	**2.7J**	ug/kg	17.3	2.2	1	08/27/24 07:55	08/27/24 11:11	207-08-9	
Chrysene	**4.1J**	ug/kg	17.3	3.3	1	08/27/24 07:55	08/27/24 11:11	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.3	2.4	1	08/27/24 07:55	08/27/24 11:11	53-70-3	
Fluoranthene	**9.2J**	ug/kg	17.3	2.0	1	08/27/24 07:55	08/27/24 11:11	206-44-0	
Fluorene	**<2.1**	ug/kg	17.3	2.1	1	08/27/24 07:55	08/27/24 11:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.3	3.6	1	08/27/24 07:55	08/27/24 11:11	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.3	2.5	1	08/27/24 07:55	08/27/24 11:11	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.3	2.5	1	08/27/24 07:55	08/27/24 11:11	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.3	1.7	1	08/27/24 07:55	08/27/24 11:11	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (4-8') **Lab ID: 40283117002** Collected: 08/21/24 10:35 Received: 08/23/24 13:55 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	**4.8J**	ug/kg	17.3	2.0	1	08/27/24 07:55	08/27/24 11:11	85-01-8	
Pyrene	**7.7J**	ug/kg	17.3	2.5	1	08/27/24 07:55	08/27/24 11:11	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%	39-120		1	08/27/24 07:55	08/27/24 11:11	321-60-8	
Terphenyl-d14 (S)	89	%	36-120		1	08/27/24 07:55	08/27/24 11:11	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.8**	ug/kg	21.5	12.8	1	08/27/24 08:30	08/27/24 13:21	71-43-2	
Bromobenzene	**<20.9**	ug/kg	53.7	20.9	1	08/27/24 08:30	08/27/24 13:21	108-86-1	
Bromochloromethane	**<14.7**	ug/kg	53.7	14.7	1	08/27/24 08:30	08/27/24 13:21	74-97-5	
Bromodichloromethane	**<12.8**	ug/kg	53.7	12.8	1	08/27/24 08:30	08/27/24 13:21	75-27-4	
Bromoform	**<236**	ug/kg	269	236	1	08/27/24 08:30	08/27/24 13:21	75-25-2	
Bromomethane	**<75.3**	ug/kg	269	75.3	1	08/27/24 08:30	08/27/24 13:21	74-83-9	
n-Butylbenzene	**<24.6**	ug/kg	53.7	24.6	1	08/27/24 08:30	08/27/24 13:21	104-51-8	
sec-Butylbenzene	**<18.4**	ug/kg	53.7	18.4	1	08/27/24 08:30	08/27/24 13:21	135-98-8	
tert-Butylbenzene	**<16.9**	ug/kg	53.7	16.9	1	08/27/24 08:30	08/27/24 13:21	98-06-6	
Carbon tetrachloride	**<11.8**	ug/kg	53.7	11.8	1	08/27/24 08:30	08/27/24 13:21	56-23-5	
Chlorobenzene	**<6.4**	ug/kg	53.7	6.4	1	08/27/24 08:30	08/27/24 13:21	108-90-7	
Chloroethane	**<22.7**	ug/kg	269	22.7	1	08/27/24 08:30	08/27/24 13:21	75-00-3	
Chloroform	**<38.5**	ug/kg	269	38.5	1	08/27/24 08:30	08/27/24 13:21	67-66-3	
Chloromethane	**<20.4**	ug/kg	53.7	20.4	1	08/27/24 08:30	08/27/24 13:21	74-87-3	
2-Chlorotoluene	**<17.4**	ug/kg	53.7	17.4	1	08/27/24 08:30	08/27/24 13:21	95-49-8	
4-Chlorotoluene	**<20.4**	ug/kg	53.7	20.4	1	08/27/24 08:30	08/27/24 13:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<41.7**	ug/kg	269	41.7	1	08/27/24 08:30	08/27/24 13:21	96-12-8	
Dibromochloromethane	**<184**	ug/kg	269	184	1	08/27/24 08:30	08/27/24 13:21	124-48-1	
1,2-Dibromoethane (EDB)	**<14.7**	ug/kg	53.7	14.7	1	08/27/24 08:30	08/27/24 13:21	106-93-4	
Dibromomethane	**<15.9**	ug/kg	53.7	15.9	1	08/27/24 08:30	08/27/24 13:21	74-95-3	
1,2-Dichlorobenzene	**<16.7**	ug/kg	53.7	16.7	1	08/27/24 08:30	08/27/24 13:21	95-50-1	
1,3-Dichlorobenzene	**<14.7**	ug/kg	53.7	14.7	1	08/27/24 08:30	08/27/24 13:21	541-73-1	
1,4-Dichlorobenzene	**<14.7**	ug/kg	53.7	14.7	1	08/27/24 08:30	08/27/24 13:21	106-46-7	
Dichlorodifluoromethane	**<23.1**	ug/kg	53.7	23.1	1	08/27/24 08:30	08/27/24 13:21	75-71-8	
1,1-Dichloroethane	**<13.7**	ug/kg	53.7	13.7	1	08/27/24 08:30	08/27/24 13:21	75-34-3	
1,2-Dichloroethane	**<12.4**	ug/kg	53.7	12.4	1	08/27/24 08:30	08/27/24 13:21	107-06-2	
1,1-Dichloroethene	**<17.8**	ug/kg	53.7	17.8	1	08/27/24 08:30	08/27/24 13:21	75-35-4	
cis-1,2-Dichloroethene	**<11.5**	ug/kg	53.7	11.5	1	08/27/24 08:30	08/27/24 13:21	156-59-2	
trans-1,2-Dichloroethene	**<11.7**	ug/kg	53.7	11.7	1	08/27/24 08:30	08/27/24 13:21	156-60-5	
1,2-Dichloropropane	**<12.8**	ug/kg	53.7	12.8	1	08/27/24 08:30	08/27/24 13:21	78-87-5	
1,3-Dichloropropane	**<11.7**	ug/kg	53.7	11.7	1	08/27/24 08:30	08/27/24 13:21	142-28-9	
2,2-Dichloropropane	**<14.5**	ug/kg	53.7	14.5	1	08/27/24 08:30	08/27/24 13:21	594-20-7	
1,1-Dichloropropene	**<17.4**	ug/kg	53.7	17.4	1	08/27/24 08:30	08/27/24 13:21	563-58-6	
cis-1,3-Dichloropropene	**<35.4**	ug/kg	269	35.4	1	08/27/24 08:30	08/27/24 13:21	10061-01-5	
trans-1,3-Dichloropropene	**<154**	ug/kg	269	154	1	08/27/24 08:30	08/27/24 13:21	10061-02-6	
Diisopropyl ether	**<13.3**	ug/kg	53.7	13.3	1	08/27/24 08:30	08/27/24 13:21	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (4-8') **Lab ID: 40283117002** Collected: 08/21/24 10:35 Received: 08/23/24 13:55 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								
Ethylbenzene	**<12.8**	ug/kg	53.7	12.8	1	08/27/24 08:30	08/27/24 13:21	100-41-4	
Hexachloro-1,3-butadiene	**<107**	ug/kg	269	107	1	08/27/24 08:30	08/27/24 13:21	87-68-3	
Isopropylbenzene (Cumene)	**<14.5**	ug/kg	53.7	14.5	1	08/27/24 08:30	08/27/24 13:21	98-82-8	
p-Isopropyltoluene	**<18.3**	ug/kg	53.7	18.3	1	08/27/24 08:30	08/27/24 13:21	99-87-6	
Methylene Chloride	**<14.9**	ug/kg	53.7	14.9	1	08/27/24 08:30	08/27/24 13:21	75-09-2	
Methyl-tert-butyl ether	**<15.8**	ug/kg	53.7	15.8	1	08/27/24 08:30	08/27/24 13:21	1634-04-4	
Naphthalene	**<22.6**	ug/kg	269	22.6	1	08/27/24 08:30	08/27/24 13:21	91-20-3	
n-Propylbenzene	**<12.9**	ug/kg	53.7	12.9	1	08/27/24 08:30	08/27/24 13:21	103-65-1	
Styrene	**<13.7**	ug/kg	53.7	13.7	1	08/27/24 08:30	08/27/24 13:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.9**	ug/kg	53.7	12.9	1	08/27/24 08:30	08/27/24 13:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.4**	ug/kg	53.7	19.4	1	08/27/24 08:30	08/27/24 13:21	79-34-5	
Tetrachloroethene	**<20.8**	ug/kg	53.7	20.8	1	08/27/24 08:30	08/27/24 13:21	127-18-4	
Toluene	**<13.5**	ug/kg	53.7	13.5	1	08/27/24 08:30	08/27/24 13:21	108-88-3	
Total Trimethylbenzenes	**<33.4**	ug/kg	107	33.4	1	08/27/24 08:30	08/27/24 13:21		
1,2,3-Trichlorobenzene	**<59.8**	ug/kg	269	59.8	1	08/27/24 08:30	08/27/24 13:21	87-61-6	
1,2,4-Trichlorobenzene	**<44.3**	ug/kg	269	44.3	1	08/27/24 08:30	08/27/24 13:21	120-82-1	
1,1,1-Trichloroethane	**<13.7**	ug/kg	53.7	13.7	1	08/27/24 08:30	08/27/24 13:21	71-55-6	
1,1,2-Trichloroethane	**<19.6**	ug/kg	53.7	19.6	1	08/27/24 08:30	08/27/24 13:21	79-00-5	
Trichloroethene	**<20.1**	ug/kg	53.7	20.1	1	08/27/24 08:30	08/27/24 13:21	79-01-6	
Trichlorofluoromethane	**<15.6**	ug/kg	53.7	15.6	1	08/27/24 08:30	08/27/24 13:21	75-69-4	
1,2,3-Trichloropropane	**<26.1**	ug/kg	53.7	26.1	1	08/27/24 08:30	08/27/24 13:21	96-18-4	
1,2,4-Trimethylbenzene	**<16.0**	ug/kg	53.7	16.0	1	08/27/24 08:30	08/27/24 13:21	95-63-6	
1,3,5-Trimethylbenzene	**<17.3**	ug/kg	53.7	17.3	1	08/27/24 08:30	08/27/24 13:21	108-67-8	
Vinyl chloride	**<10.8**	ug/kg	53.7	10.8	1	08/27/24 08:30	08/27/24 13:21	75-01-4	
Xylene (Total)	**<38.8**	ug/kg	161	38.8	1	08/27/24 08:30	08/27/24 13:21	1330-20-7	
m&p-Xylene	**<22.7**	ug/kg	107	22.7	1	08/27/24 08:30	08/27/24 13:21	179601-23-1	
o-Xylene	**<16.1**	ug/kg	53.7	16.1	1	08/27/24 08:30	08/27/24 13:21	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	124	%	67-144		1	08/27/24 08:30	08/27/24 13:21	2199-69-1	
4-Bromofluorobenzene (S)	125	%	72-142		1	08/27/24 08:30	08/27/24 13:21	460-00-4	
Toluene-d8 (S)	119	%	70-139		1	08/27/24 08:30	08/27/24 13:21	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**3.6**	%	0.10	0.10	1		08/27/24 16:39		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (8-12') **Lab ID: 40283117003** Collected: 08/21/24 10:40 Received: 08/23/24 13:55 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)	**<15.8**	ug/kg	52.0	15.8	1	08/28/24 12:00	08/29/24 06:10	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.8**	ug/kg	52.0	15.8	1	08/28/24 12:00	08/29/24 06:10	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.8**	ug/kg	52.0	15.8	1	08/28/24 12:00	08/29/24 06:10	11141-16-5	
PCB-1242 (Aroclor 1242)	**<15.8**	ug/kg	52.0	15.8	1	08/28/24 12:00	08/29/24 06:10	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.8**	ug/kg	52.0	15.8	1	08/28/24 12:00	08/29/24 06:10	12672-29-6	
PCB-1254 (Aroclor 1254)	**<15.8**	ug/kg	52.0	15.8	1	08/28/24 12:00	08/29/24 06:10	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.8**	ug/kg	52.0	15.8	1	08/28/24 12:00	08/29/24 06:10	11096-82-5	
PCB, Total	**<15.8**	ug/kg	52.0	15.8	1	08/28/24 12:00	08/29/24 06:10	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	65-120		1	08/28/24 12:00	08/29/24 06:10	877-09-8	
Decachlorobiphenyl (S)	72	%	55-120		1	08/28/24 12:00	08/29/24 06:10	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.3**	mg/kg	2.3	1.3	1	08/27/24 06:00	08/27/24 19:41	7440-38-2	
Barium	**29.0**	mg/kg	0.46	0.14	1	08/27/24 06:00	08/27/24 19:41	7440-39-3	
Cadmium	**<0.12**	mg/kg	0.46	0.12	1	08/27/24 06:00	08/27/24 19:41	7440-43-9	
Chromium	**8.0**	mg/kg	0.92	0.26	1	08/27/24 06:00	08/27/24 19:41	7440-47-3	
Lead	**2.3**	mg/kg	1.8	0.55	1	08/27/24 06:00	08/27/24 19:41	7439-92-1	
Selenium	**<1.2**	mg/kg	3.7	1.2	1	08/27/24 06:00	08/27/24 19:41	7782-49-2	
Silver	**<0.28**	mg/kg	0.92	0.28	1	08/27/24 06:00	08/27/24 19:41	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0095**	mg/kg	0.033	0.0095	1	08/27/24 08:30	08/28/24 09:15	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.4	2.3	1	08/27/24 07:55	08/27/24 11:26	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.4	2.2	1	08/27/24 07:55	08/27/24 11:26	208-96-8	
Anthracene	**<2.2**	ug/kg	17.4	2.2	1	08/27/24 07:55	08/27/24 11:26	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	17.4	2.2	1	08/27/24 07:55	08/27/24 11:26	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.4	2.0	1	08/27/24 07:55	08/27/24 11:26	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.4	2.4	1	08/27/24 07:55	08/27/24 11:26	205-99-2	
Benzo(g,h,i)perylene	**<3.1**	ug/kg	17.4	3.1	1	08/27/24 07:55	08/27/24 11:26	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.4	2.2	1	08/27/24 07:55	08/27/24 11:26	207-08-9	
Chrysene	**<3.3**	ug/kg	17.4	3.3	1	08/27/24 07:55	08/27/24 11:26	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.4	2.4	1	08/27/24 07:55	08/27/24 11:26	53-70-3	
Fluoranthene	**<2.1**	ug/kg	17.4	2.1	1	08/27/24 07:55	08/27/24 11:26	206-44-0	
Fluorene	**<2.1**	ug/kg	17.4	2.1	1	08/27/24 07:55	08/27/24 11:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.4	3.6	1	08/27/24 07:55	08/27/24 11:26	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.4	2.5	1	08/27/24 07:55	08/27/24 11:26	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.4	2.5	1	08/27/24 07:55	08/27/24 11:26	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.4	1.7	1	08/27/24 07:55	08/27/24 11:26	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (8-12') **Lab ID: 40283117003** Collected: 08/21/24 10:40 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.0**	ug/kg	17.4	2.0	1	08/27/24 07:55	08/27/24 11:26	85-01-8	
Pyrene	**<2.6**	ug/kg	17.4	2.6	1	08/27/24 07:55	08/27/24 11:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	75	%	39-120		1	08/27/24 07:55	08/27/24 11:26	321-60-8	
Terphenyl-d14 (S)	81	%	36-120		1	08/27/24 07:55	08/27/24 11:26	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.9**	ug/kg	21.7	12.9	1	08/27/24 08:30	08/27/24 13:40	71-43-2	
Bromobenzene	**<21.1**	ug/kg	54.2	21.1	1	08/27/24 08:30	08/27/24 13:40	108-86-1	
Bromochloromethane	**<14.9**	ug/kg	54.2	14.9	1	08/27/24 08:30	08/27/24 13:40	74-97-5	
Bromodichloromethane	**<12.9**	ug/kg	54.2	12.9	1	08/27/24 08:30	08/27/24 13:40	75-27-4	
Bromoform	**<239**	ug/kg	271	239	1	08/27/24 08:30	08/27/24 13:40	75-25-2	
Bromomethane	**<76.0**	ug/kg	271	76.0	1	08/27/24 08:30	08/27/24 13:40	74-83-9	
n-Butylbenzene	**<24.8**	ug/kg	54.2	24.8	1	08/27/24 08:30	08/27/24 13:40	104-51-8	
sec-Butylbenzene	**<18.6**	ug/kg	54.2	18.6	1	08/27/24 08:30	08/27/24 13:40	135-98-8	
tert-Butylbenzene	**<17.0**	ug/kg	54.2	17.0	1	08/27/24 08:30	08/27/24 13:40	98-06-6	
Carbon tetrachloride	**<11.9**	ug/kg	54.2	11.9	1	08/27/24 08:30	08/27/24 13:40	56-23-5	
Chlorobenzene	**<6.5**	ug/kg	54.2	6.5	1	08/27/24 08:30	08/27/24 13:40	108-90-7	
Chloroethane	**<22.9**	ug/kg	271	22.9	1	08/27/24 08:30	08/27/24 13:40	75-00-3	
Chloroform	**<38.8**	ug/kg	271	38.8	1	08/27/24 08:30	08/27/24 13:40	67-66-3	
Chloromethane	**<20.6**	ug/kg	54.2	20.6	1	08/27/24 08:30	08/27/24 13:40	74-87-3	
2-Chlorotoluene	**<17.6**	ug/kg	54.2	17.6	1	08/27/24 08:30	08/27/24 13:40	95-49-8	
4-Chlorotoluene	**<20.6**	ug/kg	54.2	20.6	1	08/27/24 08:30	08/27/24 13:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<42.1**	ug/kg	271	42.1	1	08/27/24 08:30	08/27/24 13:40	96-12-8	
Dibromochloromethane	**<185**	ug/kg	271	185	1	08/27/24 08:30	08/27/24 13:40	124-48-1	
1,2-Dibromoethane (EDB)	**<14.9**	ug/kg	54.2	14.9	1	08/27/24 08:30	08/27/24 13:40	106-93-4	
Dibromomethane	**<16.1**	ug/kg	54.2	16.1	1	08/27/24 08:30	08/27/24 13:40	74-95-3	
1,2-Dichlorobenzene	**<16.8**	ug/kg	54.2	16.8	1	08/27/24 08:30	08/27/24 13:40	95-50-1	
1,3-Dichlorobenzene	**<14.9**	ug/kg	54.2	14.9	1	08/27/24 08:30	08/27/24 13:40	541-73-1	
1,4-Dichlorobenzene	**<14.9**	ug/kg	54.2	14.9	1	08/27/24 08:30	08/27/24 13:40	106-46-7	
Dichlorodifluoromethane	**<23.3**	ug/kg	54.2	23.3	1	08/27/24 08:30	08/27/24 13:40	75-71-8	
1,1-Dichloroethane	**<13.9**	ug/kg	54.2	13.9	1	08/27/24 08:30	08/27/24 13:40	75-34-3	
1,2-Dichloroethane	**<12.5**	ug/kg	54.2	12.5	1	08/27/24 08:30	08/27/24 13:40	107-06-2	
1,1-Dichloroethene	**<18.0**	ug/kg	54.2	18.0	1	08/27/24 08:30	08/27/24 13:40	75-35-4	
cis-1,2-Dichloroethene	**<11.6**	ug/kg	54.2	11.6	1	08/27/24 08:30	08/27/24 13:40	156-59-2	
trans-1,2-Dichloroethene	**<11.9**	ug/kg	54.2	11.9	1	08/27/24 08:30	08/27/24 13:40	156-60-5	
1,2-Dichloropropane	**<12.9**	ug/kg	54.2	12.9	1	08/27/24 08:30	08/27/24 13:40	78-87-5	
1,3-Dichloropropane	**<11.8**	ug/kg	54.2	11.8	1	08/27/24 08:30	08/27/24 13:40	142-28-9	
2,2-Dichloropropane	**<14.6**	ug/kg	54.2	14.6	1	08/27/24 08:30	08/27/24 13:40	594-20-7	
1,1-Dichloropropene	**<17.6**	ug/kg	54.2	17.6	1	08/27/24 08:30	08/27/24 13:40	563-58-6	
cis-1,3-Dichloropropene	**<35.8**	ug/kg	271	35.8	1	08/27/24 08:30	08/27/24 13:40	10061-01-5	
trans-1,3-Dichloropropene	**<155**	ug/kg	271	155	1	08/27/24 08:30	08/27/24 13:40	10061-02-6	
Diisopropyl ether	**<13.4**	ug/kg	54.2	13.4	1	08/27/24 08:30	08/27/24 13:40	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (8-12') **Lab ID: 40283117003** Collected: 08/21/24 10:40 Received: 08/23/24 13:55 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								
Ethylbenzene	**<12.9**	ug/kg	54.2	12.9	1	08/27/24 08:30	08/27/24 13:40	100-41-4	
Hexachloro-1,3-butadiene	**<108**	ug/kg	271	108	1	08/27/24 08:30	08/27/24 13:40	87-68-3	
Isopropylbenzene (Cumene)	**<14.6**	ug/kg	54.2	14.6	1	08/27/24 08:30	08/27/24 13:40	98-82-8	
p-Isopropyltoluene	**<18.4**	ug/kg	54.2	18.4	1	08/27/24 08:30	08/27/24 13:40	99-87-6	
Methylene Chloride	**<15.1**	ug/kg	54.2	15.1	1	08/27/24 08:30	08/27/24 13:40	75-09-2	
Methyl-tert-butyl ether	**<15.9**	ug/kg	54.2	15.9	1	08/27/24 08:30	08/27/24 13:40	1634-04-4	
Naphthalene	**<22.8**	ug/kg	271	22.8	1	08/27/24 08:30	08/27/24 13:40	91-20-3	
n-Propylbenzene	**<13.0**	ug/kg	54.2	13.0	1	08/27/24 08:30	08/27/24 13:40	103-65-1	
Styrene	**<13.9**	ug/kg	54.2	13.9	1	08/27/24 08:30	08/27/24 13:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.0**	ug/kg	54.2	13.0	1	08/27/24 08:30	08/27/24 13:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.6**	ug/kg	54.2	19.6	1	08/27/24 08:30	08/27/24 13:40	79-34-5	
Tetrachloroethene	**<21.0**	ug/kg	54.2	21.0	1	08/27/24 08:30	08/27/24 13:40	127-18-4	
Toluene	**<13.7**	ug/kg	54.2	13.7	1	08/27/24 08:30	08/27/24 13:40	108-88-3	
Total Trimethylbenzenes	**<33.7**	ug/kg	108	33.7	1	08/27/24 08:30	08/27/24 13:40		
1,2,3-Trichlorobenzene	**<60.4**	ug/kg	271	60.4	1	08/27/24 08:30	08/27/24 13:40	87-61-6	
1,2,4-Trichlorobenzene	**<44.7**	ug/kg	271	44.7	1	08/27/24 08:30	08/27/24 13:40	120-82-1	
1,1,1-Trichloroethane	**<13.9**	ug/kg	54.2	13.9	1	08/27/24 08:30	08/27/24 13:40	71-55-6	
1,1,2-Trichloroethane	**<19.7**	ug/kg	54.2	19.7	1	08/27/24 08:30	08/27/24 13:40	79-00-5	
Trichloroethene	**<20.3**	ug/kg	54.2	20.3	1	08/27/24 08:30	08/27/24 13:40	79-01-6	
Trichlorofluoromethane	**<15.7**	ug/kg	54.2	15.7	1	08/27/24 08:30	08/27/24 13:40	75-69-4	
1,2,3-Trichloropropane	**<26.4**	ug/kg	54.2	26.4	1	08/27/24 08:30	08/27/24 13:40	96-18-4	
1,2,4-Trimethylbenzene	**<16.2**	ug/kg	54.2	16.2	1	08/27/24 08:30	08/27/24 13:40	95-63-6	
1,3,5-Trimethylbenzene	**<17.5**	ug/kg	54.2	17.5	1	08/27/24 08:30	08/27/24 13:40	108-67-8	
Vinyl chloride	**<11.0**	ug/kg	54.2	11.0	1	08/27/24 08:30	08/27/24 13:40	75-01-4	
Xylene (Total)	**<39.2**	ug/kg	163	39.2	1	08/27/24 08:30	08/27/24 13:40	1330-20-7	
m&p-Xylene	**<22.9**	ug/kg	108	22.9	1	08/27/24 08:30	08/27/24 13:40	179601-23-1	
o-Xylene	**<16.3**	ug/kg	54.2	16.3	1	08/27/24 08:30	08/27/24 13:40	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	120	%	67-144		1	08/27/24 08:30	08/27/24 13:40	2199-69-1	
4-Bromofluorobenzene (S)	123	%	72-142		1	08/27/24 08:30	08/27/24 13:40	460-00-4	
Toluene-d8 (S)	112	%	70-139		1	08/27/24 08:30	08/27/24 13:40	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**4.1**	%	0.10	0.10	1		08/27/24 16:39		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (38-40') **Lab ID: 40283117004** Collected: 08/21/24 11:05 Received: 08/23/24 13:55 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)	**<15.6**	ug/kg	51.3	15.6	1	08/28/24 12:00	08/29/24 06:32	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.6**	ug/kg	51.3	15.6	1	08/28/24 12:00	08/29/24 06:32	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.6**	ug/kg	51.3	15.6	1	08/28/24 12:00	08/29/24 06:32	11141-16-5	
PCB-1242 (Aroclor 1242)	**<15.6**	ug/kg	51.3	15.6	1	08/28/24 12:00	08/29/24 06:32	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.6**	ug/kg	51.3	15.6	1	08/28/24 12:00	08/29/24 06:32	12672-29-6	
PCB-1254 (Aroclor 1254)	**<15.6**	ug/kg	51.3	15.6	1	08/28/24 12:00	08/29/24 06:32	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.6**	ug/kg	51.3	15.6	1	08/28/24 12:00	08/29/24 06:32	11096-82-5	
PCB, Total	**<15.6**	ug/kg	51.3	15.6	1	08/28/24 12:00	08/29/24 06:32	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	65-120		1	08/28/24 12:00	08/29/24 06:32	877-09-8	
Decachlorobiphenyl (S)	68	%	55-120		1	08/28/24 12:00	08/29/24 06:32	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.4**	mg/kg	2.4	1.4	1	08/27/24 06:00	08/27/24 19:43	7440-38-2	
Barium	**8.6**	mg/kg	0.48	0.14	1	08/27/24 06:00	08/27/24 19:43	7440-39-3	
Cadmium	**<0.13**	mg/kg	0.48	0.13	1	08/27/24 06:00	08/27/24 19:43	7440-43-9	
Chromium	**5.0**	mg/kg	0.96	0.27	1	08/27/24 06:00	08/27/24 19:43	7440-47-3	
Lead	**<0.57**	mg/kg	1.9	0.57	1	08/27/24 06:00	08/27/24 19:43	7439-92-1	
Selenium	**<1.3**	mg/kg	3.8	1.3	1	08/27/24 06:00	08/27/24 19:43	7782-49-2	
Silver	**<0.29**	mg/kg	0.96	0.29	1	08/27/24 06:00	08/27/24 19:43	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.010**	mg/kg	0.035	0.010	1	08/27/24 08:30	08/28/24 09:22	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	17.2	2.2	1	08/27/24 07:55	08/27/24 10:56	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.2	2.2	1	08/27/24 07:55	08/27/24 10:56	208-96-8	
Anthracene	**<2.1**	ug/kg	17.2	2.1	1	08/27/24 07:55	08/27/24 10:56	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	17.2	2.2	1	08/27/24 07:55	08/27/24 10:56	56-55-3	
Benzo(a)pyrene	**<1.9**	ug/kg	17.2	1.9	1	08/27/24 07:55	08/27/24 10:56	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.2	2.4	1	08/27/24 07:55	08/27/24 10:56	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.2	3.0	1	08/27/24 07:55	08/27/24 10:56	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.2	2.2	1	08/27/24 07:55	08/27/24 10:56	207-08-9	
Chrysene	**<3.2**	ug/kg	17.2	3.2	1	08/27/24 07:55	08/27/24 10:56	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.2	2.4	1	08/27/24 07:55	08/27/24 10:56	53-70-3	
Fluoranthene	**<2.0**	ug/kg	17.2	2.0	1	08/27/24 07:55	08/27/24 10:56	206-44-0	
Fluorene	**<2.1**	ug/kg	17.2	2.1	1	08/27/24 07:55	08/27/24 10:56	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.2	3.6	1	08/27/24 07:55	08/27/24 10:56	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.2	2.5	1	08/27/24 07:55	08/27/24 10:56	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.2	2.5	1	08/27/24 07:55	08/27/24 10:56	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.2	1.7	1	08/27/24 07:55	08/27/24 10:56	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (38-40') **Lab ID: 40283117004** Collected: 08/21/24 11:05 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.0**	ug/kg	17.2	2.0	1	08/27/24 07:55	08/27/24 10:56	85-01-8	
Pyrene	**<2.5**	ug/kg	17.2	2.5	1	08/27/24 07:55	08/27/24 10:56	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	82	%	39-120		1	08/27/24 07:55	08/27/24 10:56	321-60-8	
Terphenyl-d14 (S)	89	%	36-120		1	08/27/24 07:55	08/27/24 10:56	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.5**	ug/kg	21.1	12.5	1	08/27/24 08:30	08/27/24 14:00	71-43-2	
Bromobenzene	**<20.6**	ug/kg	52.7	20.6	1	08/27/24 08:30	08/27/24 14:00	108-86-1	
Bromochloromethane	**<14.4**	ug/kg	52.7	14.4	1	08/27/24 08:30	08/27/24 14:00	74-97-5	
Bromodichloromethane	**<12.5**	ug/kg	52.7	12.5	1	08/27/24 08:30	08/27/24 14:00	75-27-4	
Bromoform	**<232**	ug/kg	264	232	1	08/27/24 08:30	08/27/24 14:00	75-25-2	
Bromomethane	**<73.9**	ug/kg	264	73.9	1	08/27/24 08:30	08/27/24 14:00	74-83-9	
n-Butylbenzene	**<24.1**	ug/kg	52.7	24.1	1	08/27/24 08:30	08/27/24 14:00	104-51-8	
sec-Butylbenzene	**<18.1**	ug/kg	52.7	18.1	1	08/27/24 08:30	08/27/24 14:00	135-98-8	
tert-Butylbenzene	**<16.6**	ug/kg	52.7	16.6	1	08/27/24 08:30	08/27/24 14:00	98-06-6	
Carbon tetrachloride	**<11.6**	ug/kg	52.7	11.6	1	08/27/24 08:30	08/27/24 14:00	56-23-5	
Chlorobenzene	**<6.3**	ug/kg	52.7	6.3	1	08/27/24 08:30	08/27/24 14:00	108-90-7	
Chloroethane	**<22.2**	ug/kg	264	22.2	1	08/27/24 08:30	08/27/24 14:00	75-00-3	
Chloroform	**<37.7**	ug/kg	264	37.7	1	08/27/24 08:30	08/27/24 14:00	67-66-3	
Chloromethane	**<20.0**	ug/kg	52.7	20.0	1	08/27/24 08:30	08/27/24 14:00	74-87-3	
2-Chlorotoluene	**<17.1**	ug/kg	52.7	17.1	1	08/27/24 08:30	08/27/24 14:00	95-49-8	
4-Chlorotoluene	**<20.0**	ug/kg	52.7	20.0	1	08/27/24 08:30	08/27/24 14:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<40.9**	ug/kg	264	40.9	1	08/27/24 08:30	08/27/24 14:00	96-12-8	
Dibromochloromethane	**<180**	ug/kg	264	180	1	08/27/24 08:30	08/27/24 14:00	124-48-1	
1,2-Dibromoethane (EDB)	**<14.4**	ug/kg	52.7	14.4	1	08/27/24 08:30	08/27/24 14:00	106-93-4	
Dibromomethane	**<15.6**	ug/kg	52.7	15.6	1	08/27/24 08:30	08/27/24 14:00	74-95-3	
1,2-Dichlorobenzene	**<16.3**	ug/kg	52.7	16.3	1	08/27/24 08:30	08/27/24 14:00	95-50-1	
1,3-Dichlorobenzene	**<14.4**	ug/kg	52.7	14.4	1	08/27/24 08:30	08/27/24 14:00	541-73-1	
1,4-Dichlorobenzene	**<14.4**	ug/kg	52.7	14.4	1	08/27/24 08:30	08/27/24 14:00	106-46-7	
Dichlorodifluoromethane	**<22.7**	ug/kg	52.7	22.7	1	08/27/24 08:30	08/27/24 14:00	75-71-8	
1,1-Dichloroethane	**<13.5**	ug/kg	52.7	13.5	1	08/27/24 08:30	08/27/24 14:00	75-34-3	
1,2-Dichloroethane	**<12.1**	ug/kg	52.7	12.1	1	08/27/24 08:30	08/27/24 14:00	107-06-2	
1,1-Dichloroethene	**<17.5**	ug/kg	52.7	17.5	1	08/27/24 08:30	08/27/24 14:00	75-35-4	
cis-1,2-Dichloroethene	**<11.3**	ug/kg	52.7	11.3	1	08/27/24 08:30	08/27/24 14:00	156-59-2	
trans-1,2-Dichloroethene	**<11.5**	ug/kg	52.7	11.5	1	08/27/24 08:30	08/27/24 14:00	156-60-5	
1,2-Dichloropropane	**<12.5**	ug/kg	52.7	12.5	1	08/27/24 08:30	08/27/24 14:00	78-87-5	
1,3-Dichloropropane	**<11.5**	ug/kg	52.7	11.5	1	08/27/24 08:30	08/27/24 14:00	142-28-9	
2,2-Dichloropropane	**<14.2**	ug/kg	52.7	14.2	1	08/27/24 08:30	08/27/24 14:00	594-20-7	
1,1-Dichloropropene	**<17.1**	ug/kg	52.7	17.1	1	08/27/24 08:30	08/27/24 14:00	563-58-6	
cis-1,3-Dichloropropene	**<34.8**	ug/kg	264	34.8	1	08/27/24 08:30	08/27/24 14:00	10061-01-5	
trans-1,3-Dichloropropene	**<151**	ug/kg	264	151	1	08/27/24 08:30	08/27/24 14:00	10061-02-6	
Diisopropyl ether	**<13.1**	ug/kg	52.7	13.1	1	08/27/24 08:30	08/27/24 14:00	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (38-40') **Lab ID: 40283117004** Collected: 08/21/24 11:05 Received: 08/23/24 13:55 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								
Ethylbenzene	**<12.5**	ug/kg	52.7	12.5	1	08/27/24 08:30	08/27/24 14:00	100-41-4	
Hexachloro-1,3-butadiene	**<105**	ug/kg	264	105	1	08/27/24 08:30	08/27/24 14:00	87-68-3	
Isopropylbenzene (Cumene)	**<14.2**	ug/kg	52.7	14.2	1	08/27/24 08:30	08/27/24 14:00	98-82-8	
p-Isopropyltoluene	**<17.9**	ug/kg	52.7	17.9	1	08/27/24 08:30	08/27/24 14:00	99-87-6	
Methylene Chloride	**<14.7**	ug/kg	52.7	14.7	1	08/27/24 08:30	08/27/24 14:00	75-09-2	
Methyl-tert-butyl ether	**<15.5**	ug/kg	52.7	15.5	1	08/27/24 08:30	08/27/24 14:00	1634-04-4	
Naphthalene	**<22.2**	ug/kg	264	22.2	1	08/27/24 08:30	08/27/24 14:00	91-20-3	
n-Propylbenzene	**<12.7**	ug/kg	52.7	12.7	1	08/27/24 08:30	08/27/24 14:00	103-65-1	
Styrene	**<13.5**	ug/kg	52.7	13.5	1	08/27/24 08:30	08/27/24 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.6**	ug/kg	52.7	12.6	1	08/27/24 08:30	08/27/24 14:00	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.1**	ug/kg	52.7	19.1	1	08/27/24 08:30	08/27/24 14:00	79-34-5	
Tetrachloroethene	**<20.5**	ug/kg	52.7	20.5	1	08/27/24 08:30	08/27/24 14:00	127-18-4	
Toluene	**<13.3**	ug/kg	52.7	13.3	1	08/27/24 08:30	08/27/24 14:00	108-88-3	
Total Trimethylbenzenes	**<32.8**	ug/kg	105	32.8	1	08/27/24 08:30	08/27/24 14:00		
1,2,3-Trichlorobenzene	**<58.7**	ug/kg	264	58.7	1	08/27/24 08:30	08/27/24 14:00	87-61-6	
1,2,4-Trichlorobenzene	**<43.4**	ug/kg	264	43.4	1	08/27/24 08:30	08/27/24 14:00	120-82-1	
1,1,1-Trichloroethane	**<13.5**	ug/kg	52.7	13.5	1	08/27/24 08:30	08/27/24 14:00	71-55-6	
1,1,2-Trichloroethane	**<19.2**	ug/kg	52.7	19.2	1	08/27/24 08:30	08/27/24 14:00	79-00-5	
Trichloroethene	**<19.7**	ug/kg	52.7	19.7	1	08/27/24 08:30	08/27/24 14:00	79-01-6	
Trichlorofluoromethane	**<15.3**	ug/kg	52.7	15.3	1	08/27/24 08:30	08/27/24 14:00	75-69-4	
1,2,3-Trichloropropane	**<25.6**	ug/kg	52.7	25.6	1	08/27/24 08:30	08/27/24 14:00	96-18-4	
1,2,4-Trimethylbenzene	**<15.7**	ug/kg	52.7	15.7	1	08/27/24 08:30	08/27/24 14:00	95-63-6	
1,3,5-Trimethylbenzene	**<17.0**	ug/kg	52.7	17.0	1	08/27/24 08:30	08/27/24 14:00	108-67-8	
Vinyl chloride	**<10.6**	ug/kg	52.7	10.6	1	08/27/24 08:30	08/27/24 14:00	75-01-4	
Xylene (Total)	**<38.1**	ug/kg	158	38.1	1	08/27/24 08:30	08/27/24 14:00	1330-20-7	
m&p-Xylene	**<22.2**	ug/kg	105	22.2	1	08/27/24 08:30	08/27/24 14:00	179601-23-1	
o-Xylene	**<15.8**	ug/kg	52.7	15.8	1	08/27/24 08:30	08/27/24 14:00	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	118	%	67-144		1	08/27/24 08:30	08/27/24 14:00	2199-69-1	
4-Bromofluorobenzene (S)	123	%	72-142		1	08/27/24 08:30	08/27/24 14:00	460-00-4	
Toluene-d8 (S)	112	%	70-139		1	08/27/24 08:30	08/27/24 14:00	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**2.6**	%	0.10	0.10	1		08/27/24 16:40		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (48') **Lab ID: 40283117005** Collected: 08/21/24 10:45 Received: 08/23/24 13:55 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)	**<17.8**	ug/kg	58.6	17.8	1	08/28/24 12:00	08/29/24 06:53	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.8**	ug/kg	58.6	17.8	1	08/28/24 12:00	08/29/24 06:53	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.8**	ug/kg	58.6	17.8	1	08/28/24 12:00	08/29/24 06:53	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.8**	ug/kg	58.6	17.8	1	08/28/24 12:00	08/29/24 06:53	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.8**	ug/kg	58.6	17.8	1	08/28/24 12:00	08/29/24 06:53	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.8**	ug/kg	58.6	17.8	1	08/28/24 12:00	08/29/24 06:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.8**	ug/kg	58.6	17.8	1	08/28/24 12:00	08/29/24 06:53	11096-82-5	
PCB, Total	**<17.8**	ug/kg	58.6	17.8	1	08/28/24 12:00	08/29/24 06:53	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	70	%	65-120		1	08/28/24 12:00	08/29/24 06:53	877-09-8	
Decachlorobiphenyl (S)	63	%	55-120		1	08/28/24 12:00	08/29/24 06:53	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.6**	mg/kg	2.7	1.6	1	08/27/24 06:00	08/27/24 19:49	7440-38-2	
Barium	**16.4**	mg/kg	0.55	0.16	1	08/27/24 06:00	08/27/24 19:49	7440-39-3	
Cadmium	**<0.15**	mg/kg	0.55	0.15	1	08/27/24 06:00	08/27/24 19:49	7440-43-9	
Chromium	**6.7**	mg/kg	1.1	0.30	1	08/27/24 06:00	08/27/24 19:49	7440-47-3	
Lead	**0.90J**	mg/kg	2.2	0.65	1	08/27/24 06:00	08/27/24 19:49	7439-92-1	
Selenium	**<1.4**	mg/kg	4.4	1.4	1	08/27/24 06:00	08/27/24 19:49	7782-49-2	
Silver	**<0.34**	mg/kg	1.1	0.34	1	08/27/24 06:00	08/27/24 19:49	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.037	0.011	1	08/27/24 08:30	08/28/24 09:24	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.5**	ug/kg	19.5	2.5	1	08/27/24 07:55	08/27/24 11:42	83-32-9	
Acenaphthylene	**<2.5**	ug/kg	19.5	2.5	1	08/27/24 07:55	08/27/24 11:42	208-96-8	
Anthracene	**<2.4**	ug/kg	19.5	2.4	1	08/27/24 07:55	08/27/24 11:42	120-12-7	
Benzo(a)anthracene	**<2.5**	ug/kg	19.5	2.5	1	08/27/24 07:55	08/27/24 11:42	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.5	2.2	1	08/27/24 07:55	08/27/24 11:42	50-32-8	
Benzo(b)fluoranthene	**<2.7**	ug/kg	19.5	2.7	1	08/27/24 07:55	08/27/24 11:42	205-99-2	
Benzo(g,h,i)perylene	**<3.4**	ug/kg	19.5	3.4	1	08/27/24 07:55	08/27/24 11:42	191-24-2	
Benzo(k)fluoranthene	**<2.5**	ug/kg	19.5	2.5	1	08/27/24 07:55	08/27/24 11:42	207-08-9	
Chrysene	**<3.7**	ug/kg	19.5	3.7	1	08/27/24 07:55	08/27/24 11:42	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.5	2.7	1	08/27/24 07:55	08/27/24 11:42	53-70-3	
Fluoranthene	**<2.3**	ug/kg	19.5	2.3	1	08/27/24 07:55	08/27/24 11:42	206-44-0	
Fluorene	**<2.3**	ug/kg	19.5	2.3	1	08/27/24 07:55	08/27/24 11:42	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.1**	ug/kg	19.5	4.1	1	08/27/24 07:55	08/27/24 11:42	193-39-5	
1-Methylnaphthalene	**<2.9**	ug/kg	19.5	2.9	1	08/27/24 07:55	08/27/24 11:42	90-12-0	
2-Methylnaphthalene	**<2.9**	ug/kg	19.5	2.9	1	08/27/24 07:55	08/27/24 11:42	91-57-6	
Naphthalene	**<1.9**	ug/kg	19.5	1.9	1	08/27/24 07:55	08/27/24 11:42	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (48') **Lab ID: 40283117005** Collected: 08/21/24 10:45 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.2**	ug/kg	19.5	2.2	1	08/27/24 07:55	08/27/24 11:42	85-01-8	
Pyrene	**<2.9**	ug/kg	19.5	2.9	1	08/27/24 07:55	08/27/24 11:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	39-120		1	08/27/24 07:55	08/27/24 11:42	321-60-8	
Terphenyl-d14 (S)	74	%	36-120		1	08/27/24 07:55	08/27/24 11:42	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.9**	ug/kg	26.7	15.9	1	08/27/24 08:30	08/27/24 14:20	71-43-2	
Bromobenzene	**<26.0**	ug/kg	66.7	26.0	1	08/27/24 08:30	08/27/24 14:20	108-86-1	
Bromochloromethane	**<18.3**	ug/kg	66.7	18.3	1	08/27/24 08:30	08/27/24 14:20	74-97-5	
Bromodichloromethane	**<15.9**	ug/kg	66.7	15.9	1	08/27/24 08:30	08/27/24 14:20	75-27-4	
Bromoform	**<294**	ug/kg	334	294	1	08/27/24 08:30	08/27/24 14:20	75-25-2	
Bromomethane	**<93.6**	ug/kg	334	93.6	1	08/27/24 08:30	08/27/24 14:20	74-83-9	
n-Butylbenzene	**<30.6**	ug/kg	66.7	30.6	1	08/27/24 08:30	08/27/24 14:20	104-51-8	
sec-Butylbenzene	**<22.9**	ug/kg	66.7	22.9	1	08/27/24 08:30	08/27/24 14:20	135-98-8	
tert-Butylbenzene	**<21.0**	ug/kg	66.7	21.0	1	08/27/24 08:30	08/27/24 14:20	98-06-6	
Carbon tetrachloride	**<14.7**	ug/kg	66.7	14.7	1	08/27/24 08:30	08/27/24 14:20	56-23-5	
Chlorobenzene	**<8.0**	ug/kg	66.7	8.0	1	08/27/24 08:30	08/27/24 14:20	108-90-7	
Chloroethane	**<28.2**	ug/kg	334	28.2	1	08/27/24 08:30	08/27/24 14:20	75-00-3	
Chloroform	**<47.8**	ug/kg	334	47.8	1	08/27/24 08:30	08/27/24 14:20	67-66-3	
Chloromethane	**<25.4**	ug/kg	66.7	25.4	1	08/27/24 08:30	08/27/24 14:20	74-87-3	
2-Chlorotoluene	**<21.6**	ug/kg	66.7	21.6	1	08/27/24 08:30	08/27/24 14:20	95-49-8	
4-Chlorotoluene	**<25.4**	ug/kg	66.7	25.4	1	08/27/24 08:30	08/27/24 14:20	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.8**	ug/kg	334	51.8	1	08/27/24 08:30	08/27/24 14:20	96-12-8	
Dibromochloromethane	**<228**	ug/kg	334	228	1	08/27/24 08:30	08/27/24 14:20	124-48-1	
1,2-Dibromoethane (EDB)	**<18.3**	ug/kg	66.7	18.3	1	08/27/24 08:30	08/27/24 14:20	106-93-4	
Dibromomethane	**<19.8**	ug/kg	66.7	19.8	1	08/27/24 08:30	08/27/24 14:20	74-95-3	
1,2-Dichlorobenzene	**<20.7**	ug/kg	66.7	20.7	1	08/27/24 08:30	08/27/24 14:20	95-50-1	
1,3-Dichlorobenzene	**<18.3**	ug/kg	66.7	18.3	1	08/27/24 08:30	08/27/24 14:20	541-73-1	
1,4-Dichlorobenzene	**<18.3**	ug/kg	66.7	18.3	1	08/27/24 08:30	08/27/24 14:20	106-46-7	
Dichlorodifluoromethane	**<28.7**	ug/kg	66.7	28.7	1	08/27/24 08:30	08/27/24 14:20	75-71-8	
1,1-Dichloroethane	**<17.1**	ug/kg	66.7	17.1	1	08/27/24 08:30	08/27/24 14:20	75-34-3	
1,2-Dichloroethane	**<15.4**	ug/kg	66.7	15.4	1	08/27/24 08:30	08/27/24 14:20	107-06-2	
1,1-Dichloroethene	**<22.2**	ug/kg	66.7	22.2	1	08/27/24 08:30	08/27/24 14:20	75-35-4	
cis-1,2-Dichloroethene	**<14.3**	ug/kg	66.7	14.3	1	08/27/24 08:30	08/27/24 14:20	156-59-2	
trans-1,2-Dichloroethene	**<14.6**	ug/kg	66.7	14.6	1	08/27/24 08:30	08/27/24 14:20	156-60-5	
1,2-Dichloropropane	**<15.9**	ug/kg	66.7	15.9	1	08/27/24 08:30	08/27/24 14:20	78-87-5	
1,3-Dichloropropane	**<14.6**	ug/kg	66.7	14.6	1	08/27/24 08:30	08/27/24 14:20	142-28-9	
2,2-Dichloropropane	**<18.0**	ug/kg	66.7	18.0	1	08/27/24 08:30	08/27/24 14:20	594-20-7	
1,1-Dichloropropene	**<21.6**	ug/kg	66.7	21.6	1	08/27/24 08:30	08/27/24 14:20	563-58-6	
cis-1,3-Dichloropropene	**<44.1**	ug/kg	334	44.1	1	08/27/24 08:30	08/27/24 14:20	10061-01-5	
trans-1,3-Dichloropropene	**<191**	ug/kg	334	191	1	08/27/24 08:30	08/27/24 14:20	10061-02-6	
Diisopropyl ether	**<16.6**	ug/kg	66.7	16.6	1	08/27/24 08:30	08/27/24 14:20	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-1 (48') **Lab ID: 40283117005** Collected: 08/21/24 10:45 Received: 08/23/24 13:55 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								
Ethylbenzene	**<15.9**	ug/kg	66.7	15.9	1	08/27/24 08:30	08/27/24 14:20	100-41-4	
Hexachloro-1,3-butadiene	**<133**	ug/kg	334	133	1	08/27/24 08:30	08/27/24 14:20	87-68-3	
Isopropylbenzene (Cumene)	**<18.0**	ug/kg	66.7	18.0	1	08/27/24 08:30	08/27/24 14:20	98-82-8	
p-Isopropyltoluene	**<22.7**	ug/kg	66.7	22.7	1	08/27/24 08:30	08/27/24 14:20	99-87-6	
Methylene Chloride	**<18.6**	ug/kg	66.7	18.6	1	08/27/24 08:30	08/27/24 14:20	75-09-2	
Methyl-tert-butyl ether	**<19.6**	ug/kg	66.7	19.6	1	08/27/24 08:30	08/27/24 14:20	1634-04-4	
Naphthalene	**<28.1**	ug/kg	334	28.1	1	08/27/24 08:30	08/27/24 14:20	91-20-3	
n-Propylbenzene	**<16.0**	ug/kg	66.7	16.0	1	08/27/24 08:30	08/27/24 14:20	103-65-1	
Styrene	**<17.1**	ug/kg	66.7	17.1	1	08/27/24 08:30	08/27/24 14:20	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.0**	ug/kg	66.7	16.0	1	08/27/24 08:30	08/27/24 14:20	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.2**	ug/kg	66.7	24.2	1	08/27/24 08:30	08/27/24 14:20	79-34-5	
Tetrachloroethene	**<25.9**	ug/kg	66.7	25.9	1	08/27/24 08:30	08/27/24 14:20	127-18-4	
Toluene	**<16.8**	ug/kg	66.7	16.8	1	08/27/24 08:30	08/27/24 14:20	108-88-3	
Total Trimethylbenzenes	**<41.5**	ug/kg	133	41.5	1	08/27/24 08:30	08/27/24 14:20		
1,2,3-Trichlorobenzene	**<74.4**	ug/kg	334	74.4	1	08/27/24 08:30	08/27/24 14:20	87-61-6	
1,2,4-Trichlorobenzene	**<55.0**	ug/kg	334	55.0	1	08/27/24 08:30	08/27/24 14:20	120-82-1	
1,1,1-Trichloroethane	**<17.1**	ug/kg	66.7	17.1	1	08/27/24 08:30	08/27/24 14:20	71-55-6	
1,1,2-Trichloroethane	**<24.3**	ug/kg	66.7	24.3	1	08/27/24 08:30	08/27/24 14:20	79-00-5	
Trichloroethene	**<25.0**	ug/kg	66.7	25.0	1	08/27/24 08:30	08/27/24 14:20	79-01-6	
Trichlorofluoromethane	**<19.4**	ug/kg	66.7	19.4	1	08/27/24 08:30	08/27/24 14:20	75-69-4	
1,2,3-Trichloropropane	**<32.4**	ug/kg	66.7	32.4	1	08/27/24 08:30	08/27/24 14:20	96-18-4	
1,2,4-Trimethylbenzene	**<19.9**	ug/kg	66.7	19.9	1	08/27/24 08:30	08/27/24 14:20	95-63-6	
1,3,5-Trimethylbenzene	**<21.5**	ug/kg	66.7	21.5	1	08/27/24 08:30	08/27/24 14:20	108-67-8	
Vinyl chloride	**<13.5**	ug/kg	66.7	13.5	1	08/27/24 08:30	08/27/24 14:20	75-01-4	
Xylene (Total)	**<48.2**	ug/kg	200	48.2	1	08/27/24 08:30	08/27/24 14:20	1330-20-7	
m&p-Xylene	**<28.2**	ug/kg	133	28.2	1	08/27/24 08:30	08/27/24 14:20	179601-23-1	
o-Xylene	**<20.0**	ug/kg	66.7	20.0	1	08/27/24 08:30	08/27/24 14:20	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	124	%	67-144		1	08/27/24 08:30	08/27/24 14:20	2199-69-1	
4-Bromofluorobenzene (S)	126	%	72-142		1	08/27/24 08:30	08/27/24 14:20	460-00-4	
Toluene-d8 (S)	117	%	70-139		1	08/27/24 08:30	08/27/24 14:20	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.3**	%	0.10	0.10	1		08/27/24 16:40		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (1-4') **Lab ID: 40283117006** Collected: 08/21/24 08:50 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.4**	ug/kg	54.0	16.4	1	08/28/24 12:00	08/29/24 07:14	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.4**	ug/kg	54.0	16.4	1	08/28/24 12:00	08/29/24 07:14	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.4**	ug/kg	54.0	16.4	1	08/28/24 12:00	08/29/24 07:14	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.4**	ug/kg	54.0	16.4	1	08/28/24 12:00	08/29/24 07:14	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.4**	ug/kg	54.0	16.4	1	08/28/24 12:00	08/29/24 07:14	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.4**	ug/kg	54.0	16.4	1	08/28/24 12:00	08/29/24 07:14	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.4**	ug/kg	54.0	16.4	1	08/28/24 12:00	08/29/24 07:14	11096-82-5	
PCB, Total	**<16.4**	ug/kg	54.0	16.4	1	08/28/24 12:00	08/29/24 07:14	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	65-120		1	08/28/24 12:00	08/29/24 07:14	877-09-8	
Decachlorobiphenyl (S)	72	%	55-120		1	08/28/24 12:00	08/29/24 07:14	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.6**	mg/kg	2.7	1.6	1	08/27/24 06:00	08/27/24 19:51	7440-38-2	
Barium	**98.0**	mg/kg	0.54	0.16	1	08/27/24 06:00	08/27/24 19:51	7440-39-3	
Cadmium	**<0.14**	mg/kg	0.54	0.14	1	08/27/24 06:00	08/27/24 19:51	7440-43-9	
Chromium	**8.7**	mg/kg	1.1	0.30	1	08/27/24 06:00	08/27/24 19:51	7440-47-3	
Lead	**22.1**	mg/kg	2.2	0.64	1	08/27/24 06:00	08/27/24 19:51	7439-92-1	
Selenium	**<1.4**	mg/kg	4.3	1.4	1	08/27/24 06:00	08/27/24 19:51	7782-49-2	
Silver	**0.49J**	mg/kg	1.1	0.33	1	08/27/24 06:00	08/27/24 19:51	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.013J**	mg/kg	0.034	0.0097	1	08/27/24 08:30	08/28/24 09:27	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	18.0	2.3	1	08/27/24 07:55	08/27/24 14:15	83-32-9	
Acenaphthylene	**<2.3**	ug/kg	18.0	2.3	1	08/27/24 07:55	08/27/24 14:15	208-96-8	
Anthracene	**4.7J**	ug/kg	18.0	2.2	1	08/27/24 07:55	08/27/24 14:15	120-12-7	
Benzo(a)anthracene	**28.8**	ug/kg	18.0	2.3	1	08/27/24 07:55	08/27/24 14:15	56-55-3	
Benzo(a)pyrene	**36.4**	ug/kg	18.0	2.0	1	08/27/24 07:55	08/27/24 14:15	50-32-8	
Benzo(b)fluoranthene	**54.3**	ug/kg	18.0	2.5	1	08/27/24 07:55	08/27/24 14:15	205-99-2	
Benzo(g,h,i)perylene	**25.0**	ug/kg	18.0	3.2	1	08/27/24 07:55	08/27/24 14:15	191-24-2	
Benzo(k)fluoranthene	**21.1**	ug/kg	18.0	2.3	1	08/27/24 07:55	08/27/24 14:15	207-08-9	
Chrysene	**37.0**	ug/kg	18.0	3.4	1	08/27/24 07:55	08/27/24 14:15	218-01-9	
Dibenz(a,h)anthracene	**5.9J**	ug/kg	18.0	2.5	1	08/27/24 07:55	08/27/24 14:15	53-70-3	
Fluoranthene	**68.2**	ug/kg	18.0	2.1	1	08/27/24 07:55	08/27/24 14:15	206-44-0	
Fluorene	**<2.2**	ug/kg	18.0	2.2	1	08/27/24 07:55	08/27/24 14:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**20.2**	ug/kg	18.0	3.7	1	08/27/24 07:55	08/27/24 14:15	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	18.0	2.6	1	08/27/24 07:55	08/27/24 14:15	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	18.0	2.6	1	08/27/24 07:55	08/27/24 14:15	91-57-6	
Naphthalene	**<1.8**	ug/kg	18.0	1.8	1	08/27/24 07:55	08/27/24 14:15	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (1-4') **Lab ID: 40283117006** Collected: 08/21/24 08:50 Received: 08/23/24 13:55 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	**13.2J**	ug/kg	18.0	2.1	1	08/27/24 07:55	08/27/24 14:15	85-01-8	
Pyrene	**53.3**	ug/kg	18.0	2.6	1	08/27/24 07:55	08/27/24 14:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	39-120		1	08/27/24 07:55	08/27/24 14:15	321-60-8	
Terphenyl-d14 (S)	71	%	36-120		1	08/27/24 07:55	08/27/24 14:15	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.7**	ug/kg	23.1	13.7	1	08/27/24 08:30	08/27/24 14:39	71-43-2	
Bromobenzene	**<22.5**	ug/kg	57.6	22.5	1	08/27/24 08:30	08/27/24 14:39	108-86-1	
Bromochloromethane	**<15.8**	ug/kg	57.6	15.8	1	08/27/24 08:30	08/27/24 14:39	74-97-5	
Bromodichloromethane	**<13.7**	ug/kg	57.6	13.7	1	08/27/24 08:30	08/27/24 14:39	75-27-4	
Bromoform	**<254**	ug/kg	288	254	1	08/27/24 08:30	08/27/24 14:39	75-25-2	
Bromomethane	**<80.8**	ug/kg	288	80.8	1	08/27/24 08:30	08/27/24 14:39	74-83-9	
n-Butylbenzene	**<26.4**	ug/kg	57.6	26.4	1	08/27/24 08:30	08/27/24 14:39	104-51-8	
sec-Butylbenzene	**<19.8**	ug/kg	57.6	19.8	1	08/27/24 08:30	08/27/24 14:39	135-98-8	
tert-Butylbenzene	**<18.1**	ug/kg	57.6	18.1	1	08/27/24 08:30	08/27/24 14:39	98-06-6	
Carbon tetrachloride	**<12.7**	ug/kg	57.6	12.7	1	08/27/24 08:30	08/27/24 14:39	56-23-5	
Chlorobenzene	**<6.9**	ug/kg	57.6	6.9	1	08/27/24 08:30	08/27/24 14:39	108-90-7	
Chloroethane	**<24.3**	ug/kg	288	24.3	1	08/27/24 08:30	08/27/24 14:39	75-00-3	
Chloroform	**<41.3**	ug/kg	288	41.3	1	08/27/24 08:30	08/27/24 14:39	67-66-3	
Chloromethane	**<21.9**	ug/kg	57.6	21.9	1	08/27/24 08:30	08/27/24 14:39	74-87-3	
2-Chlorotoluene	**<18.7**	ug/kg	57.6	18.7	1	08/27/24 08:30	08/27/24 14:39	95-49-8	
4-Chlorotoluene	**<21.9**	ug/kg	57.6	21.9	1	08/27/24 08:30	08/27/24 14:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<44.7**	ug/kg	288	44.7	1	08/27/24 08:30	08/27/24 14:39	96-12-8	
Dibromochloromethane	**<197**	ug/kg	288	197	1	08/27/24 08:30	08/27/24 14:39	124-48-1	
1,2-Dibromoethane (EDB)	**<15.8**	ug/kg	57.6	15.8	1	08/27/24 08:30	08/27/24 14:39	106-93-4	
Dibromomethane	**<17.1**	ug/kg	57.6	17.1	1	08/27/24 08:30	08/27/24 14:39	74-95-3	
1,2-Dichlorobenzene	**<17.9**	ug/kg	57.6	17.9	1	08/27/24 08:30	08/27/24 14:39	95-50-1	
1,3-Dichlorobenzene	**<15.8**	ug/kg	57.6	15.8	1	08/27/24 08:30	08/27/24 14:39	541-73-1	
1,4-Dichlorobenzene	**<15.8**	ug/kg	57.6	15.8	1	08/27/24 08:30	08/27/24 14:39	106-46-7	
Dichlorodifluoromethane	**<24.8**	ug/kg	57.6	24.8	1	08/27/24 08:30	08/27/24 14:39	75-71-8	
1,1-Dichloroethane	**<14.8**	ug/kg	57.6	14.8	1	08/27/24 08:30	08/27/24 14:39	75-34-3	
1,2-Dichloroethane	**<13.3**	ug/kg	57.6	13.3	1	08/27/24 08:30	08/27/24 14:39	107-06-2	
1,1-Dichloroethene	**<19.1**	ug/kg	57.6	19.1	1	08/27/24 08:30	08/27/24 14:39	75-35-4	
cis-1,2-Dichloroethene	**<12.3**	ug/kg	57.6	12.3	1	08/27/24 08:30	08/27/24 14:39	156-59-2	
trans-1,2-Dichloroethene	**<12.6**	ug/kg	57.6	12.6	1	08/27/24 08:30	08/27/24 14:39	156-60-5	
1,2-Dichloropropane	**<13.7**	ug/kg	57.6	13.7	1	08/27/24 08:30	08/27/24 14:39	78-87-5	
1,3-Dichloropropane	**<12.6**	ug/kg	57.6	12.6	1	08/27/24 08:30	08/27/24 14:39	142-28-9	
2,2-Dichloropropane	**<15.6**	ug/kg	57.6	15.6	1	08/27/24 08:30	08/27/24 14:39	594-20-7	
1,1-Dichloropropene	**<18.7**	ug/kg	57.6	18.7	1	08/27/24 08:30	08/27/24 14:39	563-58-6	
cis-1,3-Dichloropropene	**<38.0**	ug/kg	288	38.0	1	08/27/24 08:30	08/27/24 14:39	10061-01-5	
trans-1,3-Dichloropropene	**<165**	ug/kg	288	165	1	08/27/24 08:30	08/27/24 14:39	10061-02-6	
Diisopropyl ether	**<14.3**	ug/kg	57.6	14.3	1	08/27/24 08:30	08/27/24 14:39	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (1-4') **Lab ID: 40283117006** Collected: 08/21/24 08:50 Received: 08/23/24 13:55 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								
Ethylbenzene	**<13.7**	ug/kg	57.6	13.7	1	08/27/24 08:30	08/27/24 14:39	100-41-4	
Hexachloro-1,3-butadiene	**<115**	ug/kg	288	115	1	08/27/24 08:30	08/27/24 14:39	87-68-3	
Isopropylbenzene (Cumene)	**<15.6**	ug/kg	57.6	15.6	1	08/27/24 08:30	08/27/24 14:39	98-82-8	
p-Isopropyltoluene	**<19.6**	ug/kg	57.6	19.6	1	08/27/24 08:30	08/27/24 14:39	99-87-6	
Methylene Chloride	**<16.0**	ug/kg	57.6	16.0	1	08/27/24 08:30	08/27/24 14:39	75-09-2	
Methyl-tert-butyl ether	**<16.9**	ug/kg	57.6	16.9	1	08/27/24 08:30	08/27/24 14:39	1634-04-4	
Naphthalene	**<24.2**	ug/kg	288	24.2	1	08/27/24 08:30	08/27/24 14:39	91-20-3	
n-Propylbenzene	**<13.8**	ug/kg	57.6	13.8	1	08/27/24 08:30	08/27/24 14:39	103-65-1	
Styrene	**<14.8**	ug/kg	57.6	14.8	1	08/27/24 08:30	08/27/24 14:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.8**	ug/kg	57.6	13.8	1	08/27/24 08:30	08/27/24 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.9**	ug/kg	57.6	20.9	1	08/27/24 08:30	08/27/24 14:39	79-34-5	
Tetrachloroethene	**<22.4**	ug/kg	57.6	22.4	1	08/27/24 08:30	08/27/24 14:39	127-18-4	
Toluene	**<14.5**	ug/kg	57.6	14.5	1	08/27/24 08:30	08/27/24 14:39	108-88-3	
Total Trimethylbenzenes	**<35.9**	ug/kg	115	35.9	1	08/27/24 08:30	08/27/24 14:39		
1,2,3-Trichlorobenzene	**<64.2**	ug/kg	288	64.2	1	08/27/24 08:30	08/27/24 14:39	87-61-6	
1,2,4-Trichlorobenzene	**<47.5**	ug/kg	288	47.5	1	08/27/24 08:30	08/27/24 14:39	120-82-1	
1,1,1-Trichloroethane	**<14.8**	ug/kg	57.6	14.8	1	08/27/24 08:30	08/27/24 14:39	71-55-6	
1,1,2-Trichloroethane	**<21.0**	ug/kg	57.6	21.0	1	08/27/24 08:30	08/27/24 14:39	79-00-5	
Trichloroethene	**<21.6**	ug/kg	57.6	21.6	1	08/27/24 08:30	08/27/24 14:39	79-01-6	
Trichlorofluoromethane	**<16.7**	ug/kg	57.6	16.7	1	08/27/24 08:30	08/27/24 14:39	75-69-4	
1,2,3-Trichloropropane	**<28.0**	ug/kg	57.6	28.0	1	08/27/24 08:30	08/27/24 14:39	96-18-4	
1,2,4-Trimethylbenzene	**<17.2**	ug/kg	57.6	17.2	1	08/27/24 08:30	08/27/24 14:39	95-63-6	
1,3,5-Trimethylbenzene	**<18.6**	ug/kg	57.6	18.6	1	08/27/24 08:30	08/27/24 14:39	108-67-8	
Vinyl chloride	**<11.6**	ug/kg	57.6	11.6	1	08/27/24 08:30	08/27/24 14:39	75-01-4	
Xylene (Total)	**<41.6**	ug/kg	173	41.6	1	08/27/24 08:30	08/27/24 14:39	1330-20-7	
m&p-Xylene	**<24.3**	ug/kg	115	24.3	1	08/27/24 08:30	08/27/24 14:39	179601-23-1	
o-Xylene	**<17.3**	ug/kg	57.6	17.3	1	08/27/24 08:30	08/27/24 14:39	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	130	%	67-144		1	08/27/24 08:30	08/27/24 14:39	2199-69-1	
4-Bromofluorobenzene (S)	133	%	72-142		1	08/27/24 08:30	08/27/24 14:39	460-00-4	
Toluene-d8 (S)	121	%	70-139		1	08/27/24 08:30	08/27/24 14:39	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**7.1**	%	0.10	0.10	1		08/27/24 16:40		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (4-8') **Lab ID: 40283117007** Collected: 08/21/24 09:00 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.1**	ug/kg	53.0	16.1	1	08/28/24 12:00	08/29/24 07:36	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.1**	ug/kg	53.0	16.1	1	08/28/24 12:00	08/29/24 07:36	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.1**	ug/kg	53.0	16.1	1	08/28/24 12:00	08/29/24 07:36	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.1**	ug/kg	53.0	16.1	1	08/28/24 12:00	08/29/24 07:36	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.1**	ug/kg	53.0	16.1	1	08/28/24 12:00	08/29/24 07:36	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.1**	ug/kg	53.0	16.1	1	08/28/24 12:00	08/29/24 07:36	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.1**	ug/kg	53.0	16.1	1	08/28/24 12:00	08/29/24 07:36	11096-82-5	
PCB, Total	**<16.1**	ug/kg	53.0	16.1	1	08/28/24 12:00	08/29/24 07:36	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	65-120		1	08/28/24 12:00	08/29/24 07:36	877-09-8	
Decachlorobiphenyl (S)	63	%	55-120		1	08/28/24 12:00	08/29/24 07:36	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.5**	mg/kg	2.6	1.5	1	08/27/24 06:00	08/27/24 19:53	7440-38-2	
Barium	**18.1**	mg/kg	0.51	0.15	1	08/27/24 06:00	08/27/24 19:53	7440-39-3	
Cadmium	**<0.14**	mg/kg	0.51	0.14	1	08/27/24 06:00	08/27/24 19:53	7440-43-9	
Chromium	**9.1**	mg/kg	1.0	0.28	1	08/27/24 06:00	08/27/24 19:53	7440-47-3	
Lead	**12.5**	mg/kg	2.0	0.61	1	08/27/24 06:00	08/27/24 19:53	7439-92-1	
Selenium	**<1.3**	mg/kg	4.1	1.3	1	08/27/24 06:00	08/27/24 19:53	7782-49-2	
Silver	**<0.31**	mg/kg	1.0	0.31	1	08/27/24 06:00	08/27/24 19:53	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0094**	mg/kg	0.033	0.0094	1	08/27/24 08:30	08/28/24 09:29	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**7.8J**	ug/kg	44.3	5.7	2.5	08/27/24 07:55	08/27/24 14:31	83-32-9	
Acenaphthylene	**25.1J**	ug/kg	44.3	5.6	2.5	08/27/24 07:55	08/27/24 14:31	208-96-8	
Anthracene	**42.8J**	ug/kg	44.3	5.5	2.5	08/27/24 07:55	08/27/24 14:31	120-12-7	
Benzo(a)anthracene	**235**	ug/kg	44.3	5.7	2.5	08/27/24 07:55	08/27/24 14:31	56-55-3	
Benzo(a)pyrene	**300**	ug/kg	44.3	5.0	2.5	08/27/24 07:55	08/27/24 14:31	50-32-8	
Benzo(b)fluoranthene	**429**	ug/kg	44.3	6.2	2.5	08/27/24 07:55	08/27/24 14:31	205-99-2	
Benzo(g,h,i)perylene	**238**	ug/kg	44.3	7.8	2.5	08/27/24 07:55	08/27/24 14:31	191-24-2	
Benzo(k)fluoranthene	**157**	ug/kg	44.3	5.7	2.5	08/27/24 07:55	08/27/24 14:31	207-08-9	
Chrysene	**266**	ug/kg	44.3	8.4	2.5	08/27/24 07:55	08/27/24 14:31	218-01-9	
Dibenz(a,h)anthracene	**50.9**	ug/kg	44.3	6.1	2.5	08/27/24 07:55	08/27/24 14:31	53-70-3	
Fluoranthene	**584**	ug/kg	44.3	5.2	2.5	08/27/24 07:55	08/27/24 14:31	206-44-0	
Fluorene	**8.6J**	ug/kg	44.3	5.3	2.5	08/27/24 07:55	08/27/24 14:31	86-73-7	
Indeno(1,2,3-cd)pyrene	**180**	ug/kg	44.3	9.2	2.5	08/27/24 07:55	08/27/24 14:31	193-39-5	
1-Methylnaphthalene	**<6.5**	ug/kg	44.3	6.5	2.5	08/27/24 07:55	08/27/24 14:31	90-12-0	
2-Methylnaphthalene	**<6.5**	ug/kg	44.3	6.5	2.5	08/27/24 07:55	08/27/24 14:31	91-57-6	
Naphthalene	**7.3J**	ug/kg	44.3	4.3	2.5	08/27/24 07:55	08/27/24 14:31	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (4-8') **Lab ID: 40283117007** Collected: 08/21/24 09:00 Received: 08/23/24 13:55 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	**133**	ug/kg	44.3	5.1	2.5	08/27/24 07:55	08/27/24 14:31	85-01-8	
Pyrene	**435**	ug/kg	44.3	6.5	2.5	08/27/24 07:55	08/27/24 14:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	39-120		2.5	08/27/24 07:55	08/27/24 14:31	321-60-8	
Terphenyl-d14 (S)	71	%	36-120		2.5	08/27/24 07:55	08/27/24 14:31	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.3**	ug/kg	22.4	13.3	1	08/27/24 08:30	08/27/24 14:59	71-43-2	
Bromobenzene	**<21.8**	ug/kg	56.0	21.8	1	08/27/24 08:30	08/27/24 14:59	108-86-1	
Bromochloromethane	**<15.3**	ug/kg	56.0	15.3	1	08/27/24 08:30	08/27/24 14:59	74-97-5	
Bromodichloromethane	**<13.3**	ug/kg	56.0	13.3	1	08/27/24 08:30	08/27/24 14:59	75-27-4	
Bromoform	**<246**	ug/kg	280	246	1	08/27/24 08:30	08/27/24 14:59	75-25-2	
Bromomethane	**<78.5**	ug/kg	280	78.5	1	08/27/24 08:30	08/27/24 14:59	74-83-9	
n-Butylbenzene	**<25.7**	ug/kg	56.0	25.7	1	08/27/24 08:30	08/27/24 14:59	104-51-8	
sec-Butylbenzene	**<19.2**	ug/kg	56.0	19.2	1	08/27/24 08:30	08/27/24 14:59	135-98-8	
tert-Butylbenzene	**<17.6**	ug/kg	56.0	17.6	1	08/27/24 08:30	08/27/24 14:59	98-06-6	
Carbon tetrachloride	**<12.3**	ug/kg	56.0	12.3	1	08/27/24 08:30	08/27/24 14:59	56-23-5	
Chlorobenzene	**<6.7**	ug/kg	56.0	6.7	1	08/27/24 08:30	08/27/24 14:59	108-90-7	
Chloroethane	**<23.6**	ug/kg	280	23.6	1	08/27/24 08:30	08/27/24 14:59	75-00-3	
Chloroform	**<40.1**	ug/kg	280	40.1	1	08/27/24 08:30	08/27/24 14:59	67-66-3	
Chloromethane	**<21.3**	ug/kg	56.0	21.3	1	08/27/24 08:30	08/27/24 14:59	74-87-3	
2-Chlorotoluene	**<18.1**	ug/kg	56.0	18.1	1	08/27/24 08:30	08/27/24 14:59	95-49-8	
4-Chlorotoluene	**<21.3**	ug/kg	56.0	21.3	1	08/27/24 08:30	08/27/24 14:59	106-43-4	
1,2-Dibromo-3-chloropropane	**<43.5**	ug/kg	280	43.5	1	08/27/24 08:30	08/27/24 14:59	96-12-8	
Dibromochloromethane	**<191**	ug/kg	280	191	1	08/27/24 08:30	08/27/24 14:59	124-48-1	
1,2-Dibromoethane (EDB)	**<15.3**	ug/kg	56.0	15.3	1	08/27/24 08:30	08/27/24 14:59	106-93-4	
Dibromomethane	**<16.6**	ug/kg	56.0	16.6	1	08/27/24 08:30	08/27/24 14:59	74-95-3	
1,2-Dichlorobenzene	**<17.4**	ug/kg	56.0	17.4	1	08/27/24 08:30	08/27/24 14:59	95-50-1	
1,3-Dichlorobenzene	**<15.3**	ug/kg	56.0	15.3	1	08/27/24 08:30	08/27/24 14:59	541-73-1	
1,4-Dichlorobenzene	**<15.3**	ug/kg	56.0	15.3	1	08/27/24 08:30	08/27/24 14:59	106-46-7	
Dichlorodifluoromethane	**<24.1**	ug/kg	56.0	24.1	1	08/27/24 08:30	08/27/24 14:59	75-71-8	
1,1-Dichloroethane	**<14.3**	ug/kg	56.0	14.3	1	08/27/24 08:30	08/27/24 14:59	75-34-3	
1,2-Dichloroethane	**<12.9**	ug/kg	56.0	12.9	1	08/27/24 08:30	08/27/24 14:59	107-06-2	
1,1-Dichloroethene	**<18.6**	ug/kg	56.0	18.6	1	08/27/24 08:30	08/27/24 14:59	75-35-4	
cis-1,2-Dichloroethene	**<12.0**	ug/kg	56.0	12.0	1	08/27/24 08:30	08/27/24 14:59	156-59-2	
trans-1,2-Dichloroethene	**<12.2**	ug/kg	56.0	12.2	1	08/27/24 08:30	08/27/24 14:59	156-60-5	
1,2-Dichloropropane	**<13.3**	ug/kg	56.0	13.3	1	08/27/24 08:30	08/27/24 14:59	78-87-5	
1,3-Dichloropropane	**<12.2**	ug/kg	56.0	12.2	1	08/27/24 08:30	08/27/24 14:59	142-28-9	
2,2-Dichloropropane	**<15.1**	ug/kg	56.0	15.1	1	08/27/24 08:30	08/27/24 14:59	594-20-7	
1,1-Dichloropropene	**<18.1**	ug/kg	56.0	18.1	1	08/27/24 08:30	08/27/24 14:59	563-58-6	
cis-1,3-Dichloropropene	**<37.0**	ug/kg	280	37.0	1	08/27/24 08:30	08/27/24 14:59	10061-01-5	
trans-1,3-Dichloropropene	**<160**	ug/kg	280	160	1	08/27/24 08:30	08/27/24 14:59	10061-02-6	
Diisopropyl ether	**<13.9**	ug/kg	56.0	13.9	1	08/27/24 08:30	08/27/24 14:59	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (4-8') **Lab ID: 40283117007** Collected: 08/21/24 09:00 Received: 08/23/24 13:55 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								
Ethylbenzene	**<13.3**	ug/kg	56.0	13.3	1	08/27/24 08:30	08/27/24 14:59	100-41-4	
Hexachloro-1,3-butadiene	**<111**	ug/kg	280	111	1	08/27/24 08:30	08/27/24 14:59	87-68-3	
Isopropylbenzene (Cumene)	**<15.1**	ug/kg	56.0	15.1	1	08/27/24 08:30	08/27/24 14:59	98-82-8	
p-Isopropyltoluene	**<19.0**	ug/kg	56.0	19.0	1	08/27/24 08:30	08/27/24 14:59	99-87-6	
Methylene Chloride	**<15.6**	ug/kg	56.0	15.6	1	08/27/24 08:30	08/27/24 14:59	75-09-2	
Methyl-tert-butyl ether	**<16.5**	ug/kg	56.0	16.5	1	08/27/24 08:30	08/27/24 14:59	1634-04-4	
Naphthalene	**<23.6**	ug/kg	280	23.6	1	08/27/24 08:30	08/27/24 14:59	91-20-3	
n-Propylbenzene	**<13.4**	ug/kg	56.0	13.4	1	08/27/24 08:30	08/27/24 14:59	103-65-1	
Styrene	**<14.3**	ug/kg	56.0	14.3	1	08/27/24 08:30	08/27/24 14:59	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.4**	ug/kg	56.0	13.4	1	08/27/24 08:30	08/27/24 14:59	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.3**	ug/kg	56.0	20.3	1	08/27/24 08:30	08/27/24 14:59	79-34-5	
Tetrachloroethene	**<21.7**	ug/kg	56.0	21.7	1	08/27/24 08:30	08/27/24 14:59	127-18-4	
Toluene	**<14.1**	ug/kg	56.0	14.1	1	08/27/24 08:30	08/27/24 14:59	108-88-3	
Total Trimethylbenzenes	**<34.8**	ug/kg	112	34.8	1	08/27/24 08:30	08/27/24 14:59		
1,2,3-Trichlorobenzene	**<62.4**	ug/kg	280	62.4	1	08/27/24 08:30	08/27/24 14:59	87-61-6	
1,2,4-Trichlorobenzene	**<46.2**	ug/kg	280	46.2	1	08/27/24 08:30	08/27/24 14:59	120-82-1	
1,1,1-Trichloroethane	**<14.3**	ug/kg	56.0	14.3	1	08/27/24 08:30	08/27/24 14:59	71-55-6	
1,1,2-Trichloroethane	**<20.4**	ug/kg	56.0	20.4	1	08/27/24 08:30	08/27/24 14:59	79-00-5	
Trichloroethene	**<20.9**	ug/kg	56.0	20.9	1	08/27/24 08:30	08/27/24 14:59	79-01-6	
Trichlorofluoromethane	**<16.2**	ug/kg	56.0	16.2	1	08/27/24 08:30	08/27/24 14:59	75-69-4	
1,2,3-Trichloropropane	**<27.2**	ug/kg	56.0	27.2	1	08/27/24 08:30	08/27/24 14:59	96-18-4	
1,2,4-Trimethylbenzene	**<16.7**	ug/kg	56.0	16.7	1	08/27/24 08:30	08/27/24 14:59	95-63-6	
1,3,5-Trimethylbenzene	**<18.0**	ug/kg	56.0	18.0	1	08/27/24 08:30	08/27/24 14:59	108-67-8	
Vinyl chloride	**<11.3**	ug/kg	56.0	11.3	1	08/27/24 08:30	08/27/24 14:59	75-01-4	
Xylene (Total)	**<40.4**	ug/kg	168	40.4	1	08/27/24 08:30	08/27/24 14:59	1330-20-7	
m&p-Xylene	**<23.6**	ug/kg	112	23.6	1	08/27/24 08:30	08/27/24 14:59	179601-23-1	
o-Xylene	**<16.8**	ug/kg	56.0	16.8	1	08/27/24 08:30	08/27/24 14:59	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	127	%	67-144		1	08/27/24 08:30	08/27/24 14:59	2199-69-1	
4-Bromofluorobenzene (S)	127	%	72-142		1	08/27/24 08:30	08/27/24 14:59	460-00-4	
Toluene-d8 (S)	116	%	70-139		1	08/27/24 08:30	08/27/24 14:59	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**5.7**	%	0.10	0.10	1		08/27/24 16:40		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (8-12') **Lab ID: 40283117008** Collected: 08/21/24 09:05 Received: 08/23/24 13:55 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)	**<15.6**	ug/kg	51.2	15.6	1	08/28/24 12:00	08/29/24 07:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.6**	ug/kg	51.2	15.6	1	08/28/24 12:00	08/29/24 07:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.6**	ug/kg	51.2	15.6	1	08/28/24 12:00	08/29/24 07:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<15.6**	ug/kg	51.2	15.6	1	08/28/24 12:00	08/29/24 07:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.6**	ug/kg	51.2	15.6	1	08/28/24 12:00	08/29/24 07:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**<15.6**	ug/kg	51.2	15.6	1	08/28/24 12:00	08/29/24 07:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.6**	ug/kg	51.2	15.6	1	08/28/24 12:00	08/29/24 07:57	11096-82-5	
PCB, Total	**<15.6**	ug/kg	51.2	15.6	1	08/28/24 12:00	08/29/24 07:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	65-120		1	08/28/24 12:00	08/29/24 07:57	877-09-8	
Decachlorobiphenyl (S)	71	%	55-120		1	08/28/24 12:00	08/29/24 07:57	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.5**	mg/kg	2.5	1.5	1	08/27/24 06:00	08/27/24 19:55	7440-38-2	
Barium	**5.9**	mg/kg	0.51	0.15	1	08/27/24 06:00	08/27/24 19:55	7440-39-3	
Cadmium	**<0.14**	mg/kg	0.51	0.14	1	08/27/24 06:00	08/27/24 19:55	7440-43-9	
Chromium	**10.7**	mg/kg	1.0	0.28	1	08/27/24 06:00	08/27/24 19:55	7440-47-3	
Lead	**2.0J**	mg/kg	2.0	0.61	1	08/27/24 06:00	08/27/24 19:55	7439-92-1	
Selenium	**<1.3**	mg/kg	4.1	1.3	1	08/27/24 06:00	08/27/24 19:55	7782-49-2	
Silver	**<0.31**	mg/kg	1.0	0.31	1	08/27/24 06:00	08/27/24 19:55	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.010**	mg/kg	0.036	0.010	1	08/27/24 09:25	08/28/24 09:36	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	17.1	2.2	1	08/27/24 07:55	08/27/24 11:57	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.1	2.2	1	08/27/24 07:55	08/27/24 11:57	208-96-8	
Anthracene	**<2.1**	ug/kg	17.1	2.1	1	08/27/24 07:55	08/27/24 11:57	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	17.1	2.2	1	08/27/24 07:55	08/27/24 11:57	56-55-3	
Benzo(a)pyrene	**<1.9**	ug/kg	17.1	1.9	1	08/27/24 07:55	08/27/24 11:57	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.1	2.4	1	08/27/24 07:55	08/27/24 11:57	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.1	3.0	1	08/27/24 07:55	08/27/24 11:57	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.1	2.2	1	08/27/24 07:55	08/27/24 11:57	207-08-9	
Chrysene	**<3.2**	ug/kg	17.1	3.2	1	08/27/24 07:55	08/27/24 11:57	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.1	2.4	1	08/27/24 07:55	08/27/24 11:57	53-70-3	
Fluoranthene	**<2.0**	ug/kg	17.1	2.0	1	08/27/24 07:55	08/27/24 11:57	206-44-0	
Fluorene	**<2.1**	ug/kg	17.1	2.1	1	08/27/24 07:55	08/27/24 11:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.1	3.6	1	08/27/24 07:55	08/27/24 11:57	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.1	2.5	1	08/27/24 07:55	08/27/24 11:57	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.1	2.5	1	08/27/24 07:55	08/27/24 11:57	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.1	1.7	1	08/27/24 07:55	08/27/24 11:57	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (8-12') **Lab ID: 40283117008** Collected: 08/21/24 09:05 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.0**	ug/kg	17.1	2.0	1	08/27/24 07:55	08/27/24 11:57	85-01-8	
Pyrene	**<2.5**	ug/kg	17.1	2.5	1	08/27/24 07:55	08/27/24 11:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	49	%	39-120		1	08/27/24 07:55	08/27/24 11:57	321-60-8	
Terphenyl-d14 (S)	53	%	36-120		1	08/27/24 07:55	08/27/24 11:57	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.5**	ug/kg	21.0	12.5	1	08/27/24 08:30	08/27/24 15:18	71-43-2	
Bromobenzene	**<20.5**	ug/kg	52.6	20.5	1	08/27/24 08:30	08/27/24 15:18	108-86-1	
Bromochloromethane	**<14.4**	ug/kg	52.6	14.4	1	08/27/24 08:30	08/27/24 15:18	74-97-5	
Bromodichloromethane	**<12.5**	ug/kg	52.6	12.5	1	08/27/24 08:30	08/27/24 15:18	75-27-4	
Bromoform	**<231**	ug/kg	263	231	1	08/27/24 08:30	08/27/24 15:18	75-25-2	
Bromomethane	**<73.7**	ug/kg	263	73.7	1	08/27/24 08:30	08/27/24 15:18	74-83-9	
n-Butylbenzene	**<24.1**	ug/kg	52.6	24.1	1	08/27/24 08:30	08/27/24 15:18	104-51-8	
sec-Butylbenzene	**<18.1**	ug/kg	52.6	18.1	1	08/27/24 08:30	08/27/24 15:18	135-98-8	
tert-Butylbenzene	**<16.5**	ug/kg	52.6	16.5	1	08/27/24 08:30	08/27/24 15:18	98-06-6	
Carbon tetrachloride	**<11.6**	ug/kg	52.6	11.6	1	08/27/24 08:30	08/27/24 15:18	56-23-5	
Chlorobenzene	**<6.3**	ug/kg	52.6	6.3	1	08/27/24 08:30	08/27/24 15:18	108-90-7	
Chloroethane	**<22.2**	ug/kg	263	22.2	1	08/27/24 08:30	08/27/24 15:18	75-00-3	
Chloroform	**<37.7**	ug/kg	263	37.7	1	08/27/24 08:30	08/27/24 15:18	67-66-3	
Chloromethane	**<20.0**	ug/kg	52.6	20.0	1	08/27/24 08:30	08/27/24 15:18	74-87-3	
2-Chlorotoluene	**<17.0**	ug/kg	52.6	17.0	1	08/27/24 08:30	08/27/24 15:18	95-49-8	
4-Chlorotoluene	**<20.0**	ug/kg	52.6	20.0	1	08/27/24 08:30	08/27/24 15:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<40.8**	ug/kg	263	40.8	1	08/27/24 08:30	08/27/24 15:18	96-12-8	
Dibromochloromethane	**<180**	ug/kg	263	180	1	08/27/24 08:30	08/27/24 15:18	124-48-1	
1,2-Dibromoethane (EDB)	**<14.4**	ug/kg	52.6	14.4	1	08/27/24 08:30	08/27/24 15:18	106-93-4	
Dibromomethane	**<15.6**	ug/kg	52.6	15.6	1	08/27/24 08:30	08/27/24 15:18	74-95-3	
1,2-Dichlorobenzene	**<16.3**	ug/kg	52.6	16.3	1	08/27/24 08:30	08/27/24 15:18	95-50-1	
1,3-Dichlorobenzene	**<14.4**	ug/kg	52.6	14.4	1	08/27/24 08:30	08/27/24 15:18	541-73-1	
1,4-Dichlorobenzene	**<14.4**	ug/kg	52.6	14.4	1	08/27/24 08:30	08/27/24 15:18	106-46-7	
Dichlorodifluoromethane	**<22.6**	ug/kg	52.6	22.6	1	08/27/24 08:30	08/27/24 15:18	75-71-8	
1,1-Dichloroethane	**<13.5**	ug/kg	52.6	13.5	1	08/27/24 08:30	08/27/24 15:18	75-34-3	
1,2-Dichloroethane	**<12.1**	ug/kg	52.6	12.1	1	08/27/24 08:30	08/27/24 15:18	107-06-2	
1,1-Dichloroethene	**<17.5**	ug/kg	52.6	17.5	1	08/27/24 08:30	08/27/24 15:18	75-35-4	
cis-1,2-Dichloroethene	**<11.3**	ug/kg	52.6	11.3	1	08/27/24 08:30	08/27/24 15:18	156-59-2	
trans-1,2-Dichloroethene	**<11.5**	ug/kg	52.6	11.5	1	08/27/24 08:30	08/27/24 15:18	156-60-5	
1,2-Dichloropropane	**<12.5**	ug/kg	52.6	12.5	1	08/27/24 08:30	08/27/24 15:18	78-87-5	
1,3-Dichloropropane	**<11.5**	ug/kg	52.6	11.5	1	08/27/24 08:30	08/27/24 15:18	142-28-9	
2,2-Dichloropropane	**<14.2**	ug/kg	52.6	14.2	1	08/27/24 08:30	08/27/24 15:18	594-20-7	
1,1-Dichloropropene	**<17.0**	ug/kg	52.6	17.0	1	08/27/24 08:30	08/27/24 15:18	563-58-6	
cis-1,3-Dichloropropene	**<34.7**	ug/kg	263	34.7	1	08/27/24 08:30	08/27/24 15:18	10061-01-5	
trans-1,3-Dichloropropene	**<150**	ug/kg	263	150	1	08/27/24 08:30	08/27/24 15:18	10061-02-6	
Diisopropyl ether	**<13.0**	ug/kg	52.6	13.0	1	08/27/24 08:30	08/27/24 15:18	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (8-12') **Lab ID: 40283117008** Collected: 08/21/24 09:05 Received: 08/23/24 13:55 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								
Ethylbenzene	**<12.5**	ug/kg	52.6	12.5	1	08/27/24 08:30	08/27/24 15:18	100-41-4	
Hexachloro-1,3-butadiene	**<105**	ug/kg	263	105	1	08/27/24 08:30	08/27/24 15:18	87-68-3	
Isopropylbenzene (Cumene)	**<14.2**	ug/kg	52.6	14.2	1	08/27/24 08:30	08/27/24 15:18	98-82-8	
p-Isopropyltoluene	**<17.9**	ug/kg	52.6	17.9	1	08/27/24 08:30	08/27/24 15:18	99-87-6	
Methylene Chloride	**<14.6**	ug/kg	52.6	14.6	1	08/27/24 08:30	08/27/24 15:18	75-09-2	
Methyl-tert-butyl ether	**<15.5**	ug/kg	52.6	15.5	1	08/27/24 08:30	08/27/24 15:18	1634-04-4	
Naphthalene	**<22.1**	ug/kg	263	22.1	1	08/27/24 08:30	08/27/24 15:18	91-20-3	
n-Propylbenzene	**<12.6**	ug/kg	52.6	12.6	1	08/27/24 08:30	08/27/24 15:18	103-65-1	
Styrene	**<13.5**	ug/kg	52.6	13.5	1	08/27/24 08:30	08/27/24 15:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.6**	ug/kg	52.6	12.6	1	08/27/24 08:30	08/27/24 15:18	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.0**	ug/kg	52.6	19.0	1	08/27/24 08:30	08/27/24 15:18	79-34-5	
Tetrachloroethene	**<20.4**	ug/kg	52.6	20.4	1	08/27/24 08:30	08/27/24 15:18	127-18-4	
Toluene	**<13.3**	ug/kg	52.6	13.3	1	08/27/24 08:30	08/27/24 15:18	108-88-3	
Total Trimethylbenzenes	**<32.7**	ug/kg	105	32.7	1	08/27/24 08:30	08/27/24 15:18		
1,2,3-Trichlorobenzene	**<58.6**	ug/kg	263	58.6	1	08/27/24 08:30	08/27/24 15:18	87-61-6	
1,2,4-Trichlorobenzene	**<43.3**	ug/kg	263	43.3	1	08/27/24 08:30	08/27/24 15:18	120-82-1	
1,1,1-Trichloroethane	**<13.5**	ug/kg	52.6	13.5	1	08/27/24 08:30	08/27/24 15:18	71-55-6	
1,1,2-Trichloroethane	**<19.1**	ug/kg	52.6	19.1	1	08/27/24 08:30	08/27/24 15:18	79-00-5	
Trichloroethene	**<19.7**	ug/kg	52.6	19.7	1	08/27/24 08:30	08/27/24 15:18	79-01-6	
Trichlorofluoromethane	**<15.3**	ug/kg	52.6	15.3	1	08/27/24 08:30	08/27/24 15:18	75-69-4	
1,2,3-Trichloropropane	**<25.6**	ug/kg	52.6	25.6	1	08/27/24 08:30	08/27/24 15:18	96-18-4	
1,2,4-Trimethylbenzene	**<15.7**	ug/kg	52.6	15.7	1	08/27/24 08:30	08/27/24 15:18	95-63-6	
1,3,5-Trimethylbenzene	**<16.9**	ug/kg	52.6	16.9	1	08/27/24 08:30	08/27/24 15:18	108-67-8	
Vinyl chloride	**<10.6**	ug/kg	52.6	10.6	1	08/27/24 08:30	08/27/24 15:18	75-01-4	
Xylene (Total)	**<38.0**	ug/kg	158	38.0	1	08/27/24 08:30	08/27/24 15:18	1330-20-7	
m&p-Xylene	**<22.2**	ug/kg	105	22.2	1	08/27/24 08:30	08/27/24 15:18	179601-23-1	
o-Xylene	**<15.8**	ug/kg	52.6	15.8	1	08/27/24 08:30	08/27/24 15:18	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	125	%	67-144		1	08/27/24 08:30	08/27/24 15:18	2199-69-1	
4-Bromofluorobenzene (S)	127	%	72-142		1	08/27/24 08:30	08/27/24 15:18	460-00-4	
Toluene-d8 (S)	118	%	70-139		1	08/27/24 08:30	08/27/24 15:18	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**2.5**	%	0.10	0.10	1		08/27/24 16:40		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (40-42') **Lab ID: 40283117009** Collected: 08/21/24 09:28 Received: 08/23/24 13:55 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)	**<15.6**	ug/kg	51.1	15.6	1	08/29/24 12:00	08/29/24 16:36	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.6**	ug/kg	51.1	15.6	1	08/29/24 12:00	08/29/24 16:36	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.6**	ug/kg	51.1	15.6	1	08/29/24 12:00	08/29/24 16:36	11141-16-5	
PCB-1242 (Aroclor 1242)	**<15.6**	ug/kg	51.1	15.6	1	08/29/24 12:00	08/29/24 16:36	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.6**	ug/kg	51.1	15.6	1	08/29/24 12:00	08/29/24 16:36	12672-29-6	
PCB-1254 (Aroclor 1254)	**<15.6**	ug/kg	51.1	15.6	1	08/29/24 12:00	08/29/24 16:36	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.6**	ug/kg	51.1	15.6	1	08/29/24 12:00	08/29/24 16:36	11096-82-5	
PCB, Total	**<15.6**	ug/kg	51.1	15.6	1	08/29/24 12:00	08/29/24 16:36	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	65-120		1	08/29/24 12:00	08/29/24 16:36	877-09-8	
Decachlorobiphenyl (S)	71	%	55-120		1	08/29/24 12:00	08/29/24 16:36	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.5**	mg/kg	2.5	1.5	1	08/27/24 06:00	08/27/24 19:57	7440-38-2	
Barium	**16.0**	mg/kg	0.51	0.15	1	08/27/24 06:00	08/27/24 19:57	7440-39-3	
Cadmium	**<0.13**	mg/kg	0.51	0.13	1	08/27/24 06:00	08/27/24 19:57	7440-43-9	
Chromium	**8.0**	mg/kg	1.0	0.28	1	08/27/24 06:00	08/27/24 19:57	7440-47-3	
Lead	**1.0J**	mg/kg	2.0	0.61	1	08/27/24 06:00	08/27/24 19:57	7439-92-1	
Selenium	**<1.3**	mg/kg	4.0	1.3	1	08/27/24 06:00	08/27/24 19:57	7782-49-2	
Silver	**<0.31**	mg/kg	1.0	0.31	1	08/27/24 06:00	08/27/24 19:57	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0099**	mg/kg	0.035	0.0099	1	08/27/24 09:25	08/28/24 09:43	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	17.1	2.2	1	08/27/24 07:55	08/27/24 12:12	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.1	2.2	1	08/27/24 07:55	08/27/24 12:12	208-96-8	
Anthracene	**<2.1**	ug/kg	17.1	2.1	1	08/27/24 07:55	08/27/24 12:12	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	17.1	2.2	1	08/27/24 07:55	08/27/24 12:12	56-55-3	
Benzo(a)pyrene	**<1.9**	ug/kg	17.1	1.9	1	08/27/24 07:55	08/27/24 12:12	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.1	2.4	1	08/27/24 07:55	08/27/24 12:12	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.1	3.0	1	08/27/24 07:55	08/27/24 12:12	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.1	2.2	1	08/27/24 07:55	08/27/24 12:12	207-08-9	
Chrysene	**<3.2**	ug/kg	17.1	3.2	1	08/27/24 07:55	08/27/24 12:12	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.1	2.4	1	08/27/24 07:55	08/27/24 12:12	53-70-3	
Fluoranthene	**2.3J**	ug/kg	17.1	2.0	1	08/27/24 07:55	08/27/24 12:12	206-44-0	
Fluorene	**<2.0**	ug/kg	17.1	2.0	1	08/27/24 07:55	08/27/24 12:12	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.1	3.6	1	08/27/24 07:55	08/27/24 12:12	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.1	2.5	1	08/27/24 07:55	08/27/24 12:12	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.1	2.5	1	08/27/24 07:55	08/27/24 12:12	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.1	1.7	1	08/27/24 07:55	08/27/24 12:12	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (40-42') **Lab ID: 40283117009** Collected: 08/21/24 09:28 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.0**	ug/kg	17.1	2.0	1	08/27/24 07:55	08/27/24 12:12	85-01-8	
Pyrene	**<2.5**	ug/kg	17.1	2.5	1	08/27/24 07:55	08/27/24 12:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	84	%	39-120		1	08/27/24 07:55	08/27/24 12:12	321-60-8	
Terphenyl-d14 (S)	83	%	36-120		1	08/27/24 07:55	08/27/24 12:12	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.4**	ug/kg	20.9	12.4	1	08/27/24 08:30	08/27/24 15:38	71-43-2	
Bromobenzene	**<20.4**	ug/kg	52.3	20.4	1	08/27/24 08:30	08/27/24 15:38	108-86-1	
Bromochloromethane	**<14.3**	ug/kg	52.3	14.3	1	08/27/24 08:30	08/27/24 15:38	74-97-5	
Bromodichloromethane	**<12.4**	ug/kg	52.3	12.4	1	08/27/24 08:30	08/27/24 15:38	75-27-4	
Bromoform	**<230**	ug/kg	261	230	1	08/27/24 08:30	08/27/24 15:38	75-25-2	
Bromomethane	**<73.3**	ug/kg	261	73.3	1	08/27/24 08:30	08/27/24 15:38	74-83-9	
n-Butylbenzene	**<23.9**	ug/kg	52.3	23.9	1	08/27/24 08:30	08/27/24 15:38	104-51-8	
sec-Butylbenzene	**<17.9**	ug/kg	52.3	17.9	1	08/27/24 08:30	08/27/24 15:38	135-98-8	
tert-Butylbenzene	**<16.4**	ug/kg	52.3	16.4	1	08/27/24 08:30	08/27/24 15:38	98-06-6	
Carbon tetrachloride	**<11.5**	ug/kg	52.3	11.5	1	08/27/24 08:30	08/27/24 15:38	56-23-5	
Chlorobenzene	**<6.3**	ug/kg	52.3	6.3	1	08/27/24 08:30	08/27/24 15:38	108-90-7	
Chloroethane	**<22.1**	ug/kg	261	22.1	1	08/27/24 08:30	08/27/24 15:38	75-00-3	
Chloroform	**<37.4**	ug/kg	261	37.4	1	08/27/24 08:30	08/27/24 15:38	67-66-3	
Chloromethane	**<19.9**	ug/kg	52.3	19.9	1	08/27/24 08:30	08/27/24 15:38	74-87-3	
2-Chlorotoluene	**<16.9**	ug/kg	52.3	16.9	1	08/27/24 08:30	08/27/24 15:38	95-49-8	
4-Chlorotoluene	**<19.9**	ug/kg	52.3	19.9	1	08/27/24 08:30	08/27/24 15:38	106-43-4	
1,2-Dibromo-3-chloropropane	**<40.6**	ug/kg	261	40.6	1	08/27/24 08:30	08/27/24 15:38	96-12-8	
Dibromochloromethane	**<179**	ug/kg	261	179	1	08/27/24 08:30	08/27/24 15:38	124-48-1	
1,2-Dibromoethane (EDB)	**<14.3**	ug/kg	52.3	14.3	1	08/27/24 08:30	08/27/24 15:38	106-93-4	
Dibromomethane	**<15.5**	ug/kg	52.3	15.5	1	08/27/24 08:30	08/27/24 15:38	74-95-3	
1,2-Dichlorobenzene	**<16.2**	ug/kg	52.3	16.2	1	08/27/24 08:30	08/27/24 15:38	95-50-1	
1,3-Dichlorobenzene	**<14.3**	ug/kg	52.3	14.3	1	08/27/24 08:30	08/27/24 15:38	541-73-1	
1,4-Dichlorobenzene	**<14.3**	ug/kg	52.3	14.3	1	08/27/24 08:30	08/27/24 15:38	106-46-7	
Dichlorodifluoromethane	**<22.5**	ug/kg	52.3	22.5	1	08/27/24 08:30	08/27/24 15:38	75-71-8	
1,1-Dichloroethane	**<13.4**	ug/kg	52.3	13.4	1	08/27/24 08:30	08/27/24 15:38	75-34-3	
1,2-Dichloroethane	**<12.0**	ug/kg	52.3	12.0	1	08/27/24 08:30	08/27/24 15:38	107-06-2	
1,1-Dichloroethene	**<17.4**	ug/kg	52.3	17.4	1	08/27/24 08:30	08/27/24 15:38	75-35-4	
cis-1,2-Dichloroethene	**<11.2**	ug/kg	52.3	11.2	1	08/27/24 08:30	08/27/24 15:38	156-59-2	
trans-1,2-Dichloroethene	**<11.4**	ug/kg	52.3	11.4	1	08/27/24 08:30	08/27/24 15:38	156-60-5	
1,2-Dichloropropane	**<12.4**	ug/kg	52.3	12.4	1	08/27/24 08:30	08/27/24 15:38	78-87-5	
1,3-Dichloropropane	**<11.4**	ug/kg	52.3	11.4	1	08/27/24 08:30	08/27/24 15:38	142-28-9	
2,2-Dichloropropane	**<14.1**	ug/kg	52.3	14.1	1	08/27/24 08:30	08/27/24 15:38	594-20-7	
1,1-Dichloropropene	**<16.9**	ug/kg	52.3	16.9	1	08/27/24 08:30	08/27/24 15:38	563-58-6	
cis-1,3-Dichloropropene	**<34.5**	ug/kg	261	34.5	1	08/27/24 08:30	08/27/24 15:38	10061-01-5	
trans-1,3-Dichloropropene	**<149**	ug/kg	261	149	1	08/27/24 08:30	08/27/24 15:38	10061-02-6	
Diisopropyl ether	**<13.0**	ug/kg	52.3	13.0	1	08/27/24 08:30	08/27/24 15:38	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (40-42') **Lab ID: 40283117009** Collected: 08/21/24 09:28 Received: 08/23/24 13:55 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								
Ethylbenzene	**<12.4**	ug/kg	52.3	12.4	1	08/27/24 08:30	08/27/24 15:38	100-41-4	
Hexachloro-1,3-butadiene	**<104**	ug/kg	261	104	1	08/27/24 08:30	08/27/24 15:38	87-68-3	
Isopropylbenzene (Cumene)	**<14.1**	ug/kg	52.3	14.1	1	08/27/24 08:30	08/27/24 15:38	98-82-8	
p-Isopropyltoluene	**<17.8**	ug/kg	52.3	17.8	1	08/27/24 08:30	08/27/24 15:38	99-87-6	
Methylene Chloride	**<14.5**	ug/kg	52.3	14.5	1	08/27/24 08:30	08/27/24 15:38	75-09-2	
Methyl-tert-butyl ether	**<15.4**	ug/kg	52.3	15.4	1	08/27/24 08:30	08/27/24 15:38	1634-04-4	
Naphthalene	**<22.0**	ug/kg	261	22.0	1	08/27/24 08:30	08/27/24 15:38	91-20-3	
n-Propylbenzene	**<12.5**	ug/kg	52.3	12.5	1	08/27/24 08:30	08/27/24 15:38	103-65-1	
Styrene	**<13.4**	ug/kg	52.3	13.4	1	08/27/24 08:30	08/27/24 15:38	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.5**	ug/kg	52.3	12.5	1	08/27/24 08:30	08/27/24 15:38	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.9**	ug/kg	52.3	18.9	1	08/27/24 08:30	08/27/24 15:38	79-34-5	
Tetrachloroethene	**<20.3**	ug/kg	52.3	20.3	1	08/27/24 08:30	08/27/24 15:38	127-18-4	
Toluene	**<13.2**	ug/kg	52.3	13.2	1	08/27/24 08:30	08/27/24 15:38	108-88-3	
Total Trimethylbenzenes	**<32.5**	ug/kg	105	32.5	1	08/27/24 08:30	08/27/24 15:38		
1,2,3-Trichlorobenzene	**<58.2**	ug/kg	261	58.2	1	08/27/24 08:30	08/27/24 15:38	87-61-6	
1,2,4-Trichlorobenzene	**<43.1**	ug/kg	261	43.1	1	08/27/24 08:30	08/27/24 15:38	120-82-1	
1,1,1-Trichloroethane	**<13.4**	ug/kg	52.3	13.4	1	08/27/24 08:30	08/27/24 15:38	71-55-6	
1,1,2-Trichloroethane	**<19.0**	ug/kg	52.3	19.0	1	08/27/24 08:30	08/27/24 15:38	79-00-5	
Trichloroethene	**<19.5**	ug/kg	52.3	19.5	1	08/27/24 08:30	08/27/24 15:38	79-01-6	
Trichlorofluoromethane	**<15.2**	ug/kg	52.3	15.2	1	08/27/24 08:30	08/27/24 15:38	75-69-4	
1,2,3-Trichloropropane	**<25.4**	ug/kg	52.3	25.4	1	08/27/24 08:30	08/27/24 15:38	96-18-4	
1,2,4-Trimethylbenzene	**<15.6**	ug/kg	52.3	15.6	1	08/27/24 08:30	08/27/24 15:38	95-63-6	
1,3,5-Trimethylbenzene	**<16.8**	ug/kg	52.3	16.8	1	08/27/24 08:30	08/27/24 15:38	108-67-8	
Vinyl chloride	**<10.6**	ug/kg	52.3	10.6	1	08/27/24 08:30	08/27/24 15:38	75-01-4	
Xylene (Total)	**<37.7**	ug/kg	157	37.7	1	08/27/24 08:30	08/27/24 15:38	1330-20-7	
m&p-Xylene	**<22.1**	ug/kg	105	22.1	1	08/27/24 08:30	08/27/24 15:38	179601-23-1	
o-Xylene	**<15.7**	ug/kg	52.3	15.7	1	08/27/24 08:30	08/27/24 15:38	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	109	%	67-144		1	08/27/24 08:30	08/27/24 15:38	2199-69-1	
4-Bromofluorobenzene (S)	109	%	72-142		1	08/27/24 08:30	08/27/24 15:38	460-00-4	
Toluene-d8 (S)	102	%	70-139		1	08/27/24 08:30	08/27/24 15:38	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**2.2**	%	0.10	0.10	1		08/27/24 16:40		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (48') **Lab ID: 40283117010** Collected: 08/21/24 09:10 Received: 08/23/24 13:55 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	08/29/24 12:00	08/29/24 16:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.4**	ug/kg	57.0	17.4	1	08/29/24 12:00	08/29/24 16:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.4**	ug/kg	57.0	17.4	1	08/29/24 12:00	08/29/24 16:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.4**	ug/kg	57.0	17.4	1	08/29/24 12:00	08/29/24 16:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.4**	ug/kg	57.0	17.4	1	08/29/24 12:00	08/29/24 16:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.4**	ug/kg	57.0	17.4	1	08/29/24 12:00	08/29/24 16:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.4**	ug/kg	57.0	17.4	1	08/29/24 12:00	08/29/24 16:57	11096-82-5	
PCB, Total	**<17.4**	ug/kg	57.0	17.4	1	08/29/24 12:00	08/29/24 16:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	65-120		1	08/29/24 12:00	08/29/24 16:57	877-09-8	
Decachlorobiphenyl (S)	70	%	55-120		1	08/29/24 12:00	08/29/24 16:57	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.6**	mg/kg	2.7	1.6	1	08/27/24 06:00	08/27/24 19:59	7440-38-2	
Barium	**27.8**	mg/kg	0.54	0.16	1	08/27/24 06:00	08/27/24 19:59	7440-39-3	
Cadmium	**<0.14**	mg/kg	0.54	0.14	1	08/27/24 06:00	08/27/24 19:59	7440-43-9	
Chromium	**15.2**	mg/kg	1.1	0.30	1	08/27/24 06:00	08/27/24 19:59	7440-47-3	
Lead	**2.0J**	mg/kg	2.1	0.64	1	08/27/24 06:00	08/27/24 19:59	7439-92-1	
Selenium	**<1.4**	mg/kg	4.3	1.4	1	08/27/24 06:00	08/27/24 19:59	7782-49-2	
Silver	**<0.33**	mg/kg	1.1	0.33	1	08/27/24 06:00	08/27/24 19:59	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.011J**	mg/kg	0.038	0.011	1	08/27/24 09:25	08/28/24 09:50	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.5**	ug/kg	19.1	2.5	1	08/27/24 07:55	08/27/24 12:28	83-32-9	
Acenaphthylene	**<2.4**	ug/kg	19.1	2.4	1	08/27/24 07:55	08/27/24 12:28	208-96-8	
Anthracene	**<2.4**	ug/kg	19.1	2.4	1	08/27/24 07:55	08/27/24 12:28	120-12-7	
Benzo(a)anthracene	**<2.5**	ug/kg	19.1	2.5	1	08/27/24 07:55	08/27/24 12:28	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.1	2.2	1	08/27/24 07:55	08/27/24 12:28	50-32-8	
Benzo(b)fluoranthene	**<2.6**	ug/kg	19.1	2.6	1	08/27/24 07:55	08/27/24 12:28	205-99-2	
Benzo(g,h,i)perylene	**<3.3**	ug/kg	19.1	3.3	1	08/27/24 07:55	08/27/24 12:28	191-24-2	
Benzo(k)fluoranthene	**<2.4**	ug/kg	19.1	2.4	1	08/27/24 07:55	08/27/24 12:28	207-08-9	
Chrysene	**<3.6**	ug/kg	19.1	3.6	1	08/27/24 07:55	08/27/24 12:28	218-01-9	
Dibenz(a,h)anthracene	**<2.6**	ug/kg	19.1	2.6	1	08/27/24 07:55	08/27/24 12:28	53-70-3	
Fluoranthene	**<2.3**	ug/kg	19.1	2.3	1	08/27/24 07:55	08/27/24 12:28	206-44-0	
Fluorene	**<2.3**	ug/kg	19.1	2.3	1	08/27/24 07:55	08/27/24 12:28	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.0**	ug/kg	19.1	4.0	1	08/27/24 07:55	08/27/24 12:28	193-39-5	
1-Methylnaphthalene	**<2.8**	ug/kg	19.1	2.8	1	08/27/24 07:55	08/27/24 12:28	90-12-0	
2-Methylnaphthalene	**<2.8**	ug/kg	19.1	2.8	1	08/27/24 07:55	08/27/24 12:28	91-57-6	
Naphthalene	**<1.9**	ug/kg	19.1	1.9	1	08/27/24 07:55	08/27/24 12:28	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (48') **Lab ID: 40283117010** Collected: 08/21/24 09:10 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.2**	ug/kg	19.1	2.2	1	08/27/24 07:55	08/27/24 12:28	85-01-8	
Pyrene	**<2.8**	ug/kg	19.1	2.8	1	08/27/24 07:55	08/27/24 12:28	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	39-120		1	08/27/24 07:55	08/27/24 12:28	321-60-8	
Terphenyl-d14 (S)	79	%	36-120		1	08/27/24 07:55	08/27/24 12:28	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.3**	ug/kg	25.6	15.3	1	08/27/24 08:30	08/27/24 15:57	71-43-2	
Bromobenzene	**<25.0**	ug/kg	64.1	25.0	1	08/27/24 08:30	08/27/24 15:57	108-86-1	
Bromochloromethane	**<17.6**	ug/kg	64.1	17.6	1	08/27/24 08:30	08/27/24 15:57	74-97-5	
Bromodichloromethane	**<15.3**	ug/kg	64.1	15.3	1	08/27/24 08:30	08/27/24 15:57	75-27-4	
Bromoform	**<282**	ug/kg	321	282	1	08/27/24 08:30	08/27/24 15:57	75-25-2	
Bromomethane	**<89.9**	ug/kg	321	89.9	1	08/27/24 08:30	08/27/24 15:57	74-83-9	
n-Butylbenzene	**<29.4**	ug/kg	64.1	29.4	1	08/27/24 08:30	08/27/24 15:57	104-51-8	
sec-Butylbenzene	**<22.0**	ug/kg	64.1	22.0	1	08/27/24 08:30	08/27/24 15:57	135-98-8	
tert-Butylbenzene	**<20.1**	ug/kg	64.1	20.1	1	08/27/24 08:30	08/27/24 15:57	98-06-6	
Carbon tetrachloride	**<14.1**	ug/kg	64.1	14.1	1	08/27/24 08:30	08/27/24 15:57	56-23-5	
Chlorobenzene	**<7.7**	ug/kg	64.1	7.7	1	08/27/24 08:30	08/27/24 15:57	108-90-7	
Chloroethane	**<27.1**	ug/kg	321	27.1	1	08/27/24 08:30	08/27/24 15:57	75-00-3	
Chloroform	**<45.9**	ug/kg	321	45.9	1	08/27/24 08:30	08/27/24 15:57	67-66-3	
Chloromethane	**<24.4**	ug/kg	64.1	24.4	1	08/27/24 08:30	08/27/24 15:57	74-87-3	
2-Chlorotoluene	**<20.8**	ug/kg	64.1	20.8	1	08/27/24 08:30	08/27/24 15:57	95-49-8	
4-Chlorotoluene	**<24.4**	ug/kg	64.1	24.4	1	08/27/24 08:30	08/27/24 15:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	321	49.8	1	08/27/24 08:30	08/27/24 15:57	96-12-8	
Dibromochloromethane	**<219**	ug/kg	321	219	1	08/27/24 08:30	08/27/24 15:57	124-48-1	
1,2-Dibromoethane (EDB)	**<17.6**	ug/kg	64.1	17.6	1	08/27/24 08:30	08/27/24 15:57	106-93-4	
Dibromomethane	**<19.0**	ug/kg	64.1	19.0	1	08/27/24 08:30	08/27/24 15:57	74-95-3	
1,2-Dichlorobenzene	**<19.9**	ug/kg	64.1	19.9	1	08/27/24 08:30	08/27/24 15:57	95-50-1	
1,3-Dichlorobenzene	**<17.6**	ug/kg	64.1	17.6	1	08/27/24 08:30	08/27/24 15:57	541-73-1	
1,4-Dichlorobenzene	**<17.6**	ug/kg	64.1	17.6	1	08/27/24 08:30	08/27/24 15:57	106-46-7	
Dichlorodifluoromethane	**<27.6**	ug/kg	64.1	27.6	1	08/27/24 08:30	08/27/24 15:57	75-71-8	
1,1-Dichloroethane	**<16.4**	ug/kg	64.1	16.4	1	08/27/24 08:30	08/27/24 15:57	75-34-3	
1,2-Dichloroethane	**<14.7**	ug/kg	64.1	14.7	1	08/27/24 08:30	08/27/24 15:57	107-06-2	
1,1-Dichloroethene	**<21.3**	ug/kg	64.1	21.3	1	08/27/24 08:30	08/27/24 15:57	75-35-4	
cis-1,2-Dichloroethene	**<13.7**	ug/kg	64.1	13.7	1	08/27/24 08:30	08/27/24 15:57	156-59-2	
trans-1,2-Dichloroethene	**<14.0**	ug/kg	64.1	14.0	1	08/27/24 08:30	08/27/24 15:57	156-60-5	
1,2-Dichloropropane	**<15.3**	ug/kg	64.1	15.3	1	08/27/24 08:30	08/27/24 15:57	78-87-5	
1,3-Dichloropropane	**<14.0**	ug/kg	64.1	14.0	1	08/27/24 08:30	08/27/24 15:57	142-28-9	
2,2-Dichloropropane	**<17.3**	ug/kg	64.1	17.3	1	08/27/24 08:30	08/27/24 15:57	594-20-7	
1,1-Dichloropropene	**<20.8**	ug/kg	64.1	20.8	1	08/27/24 08:30	08/27/24 15:57	563-58-6	
cis-1,3-Dichloropropene	**<42.3**	ug/kg	321	42.3	1	08/27/24 08:30	08/27/24 15:57	10061-01-5	
trans-1,3-Dichloropropene	**<183**	ug/kg	321	183	1	08/27/24 08:30	08/27/24 15:57	10061-02-6	
Diisopropyl ether	**<15.9**	ug/kg	64.1	15.9	1	08/27/24 08:30	08/27/24 15:57	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-2 (48') **Lab ID: 40283117010** Collected: 08/21/24 09:10 Received: 08/23/24 13:55 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								
Ethylbenzene	**<15.3**	ug/kg	64.1	15.3	1	08/27/24 08:30	08/27/24 15:57	100-41-4	
Hexachloro-1,3-butadiene	**<127**	ug/kg	321	127	1	08/27/24 08:30	08/27/24 15:57	87-68-3	
Isopropylbenzene (Cumene)	**<17.3**	ug/kg	64.1	17.3	1	08/27/24 08:30	08/27/24 15:57	98-82-8	
p-Isopropyltoluene	**<21.8**	ug/kg	64.1	21.8	1	08/27/24 08:30	08/27/24 15:57	99-87-6	
Methylene Chloride	**<17.8**	ug/kg	64.1	17.8	1	08/27/24 08:30	08/27/24 15:57	75-09-2	
Methyl-tert-butyl ether	**<18.9**	ug/kg	64.1	18.9	1	08/27/24 08:30	08/27/24 15:57	1634-04-4	
Naphthalene	**<27.0**	ug/kg	321	27.0	1	08/27/24 08:30	08/27/24 15:57	91-20-3	
n-Propylbenzene	**<15.4**	ug/kg	64.1	15.4	1	08/27/24 08:30	08/27/24 15:57	103-65-1	
Styrene	**<16.4**	ug/kg	64.1	16.4	1	08/27/24 08:30	08/27/24 15:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.4**	ug/kg	64.1	15.4	1	08/27/24 08:30	08/27/24 15:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.2**	ug/kg	64.1	23.2	1	08/27/24 08:30	08/27/24 15:57	79-34-5	
Tetrachloroethene	**<24.9**	ug/kg	64.1	24.9	1	08/27/24 08:30	08/27/24 15:57	127-18-4	
Toluene	**<16.2**	ug/kg	64.1	16.2	1	08/27/24 08:30	08/27/24 15:57	108-88-3	
Total Trimethylbenzenes	**<39.9**	ug/kg	128	39.9	1	08/27/24 08:30	08/27/24 15:57		
1,2,3-Trichlorobenzene	**<71.4**	ug/kg	321	71.4	1	08/27/24 08:30	08/27/24 15:57	87-61-6	
1,2,4-Trichlorobenzene	**<52.8**	ug/kg	321	52.8	1	08/27/24 08:30	08/27/24 15:57	120-82-1	
1,1,1-Trichloroethane	**<16.4**	ug/kg	64.1	16.4	1	08/27/24 08:30	08/27/24 15:57	71-55-6	
1,1,2-Trichloroethane	**<23.3**	ug/kg	64.1	23.3	1	08/27/24 08:30	08/27/24 15:57	79-00-5	
Trichloroethene	**<24.0**	ug/kg	64.1	24.0	1	08/27/24 08:30	08/27/24 15:57	79-01-6	
Trichlorofluoromethane	**<18.6**	ug/kg	64.1	18.6	1	08/27/24 08:30	08/27/24 15:57	75-69-4	
1,2,3-Trichloropropane	**<31.2**	ug/kg	64.1	31.2	1	08/27/24 08:30	08/27/24 15:57	96-18-4	
1,2,4-Trimethylbenzene	**<19.1**	ug/kg	64.1	19.1	1	08/27/24 08:30	08/27/24 15:57	95-63-6	
1,3,5-Trimethylbenzene	**<20.6**	ug/kg	64.1	20.6	1	08/27/24 08:30	08/27/24 15:57	108-67-8	
Vinyl chloride	**<13.0**	ug/kg	64.1	13.0	1	08/27/24 08:30	08/27/24 15:57	75-01-4	
Xylene (Total)	**<46.3**	ug/kg	192	46.3	1	08/27/24 08:30	08/27/24 15:57	1330-20-7	
m&p-Xylene	**<27.1**	ug/kg	128	27.1	1	08/27/24 08:30	08/27/24 15:57	179601-23-1	
o-Xylene	**<19.2**	ug/kg	64.1	19.2	1	08/27/24 08:30	08/27/24 15:57	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	118	%	67-144		1	08/27/24 08:30	08/27/24 15:57	2199-69-1	
4-Bromofluorobenzene (S)	117	%	72-142		1	08/27/24 08:30	08/27/24 15:57	460-00-4	
Toluene-d8 (S)	112	%	70-139		1	08/27/24 08:30	08/27/24 15:57	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**12.4**	%	0.10	0.10	1		08/27/24 16:41		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (0-4') **Lab ID: 40283117011** Collected: 08/21/24 12:00 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.5**	ug/kg	54.2	16.5	1	08/29/24 12:00	08/29/24 17:19	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.5**	ug/kg	54.2	16.5	1	08/29/24 12:00	08/29/24 17:19	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.5**	ug/kg	54.2	16.5	1	08/29/24 12:00	08/29/24 17:19	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.5**	ug/kg	54.2	16.5	1	08/29/24 12:00	08/29/24 17:19	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.5**	ug/kg	54.2	16.5	1	08/29/24 12:00	08/29/24 17:19	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.5**	ug/kg	54.2	16.5	1	08/29/24 12:00	08/29/24 17:19	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.5**	ug/kg	54.2	16.5	1	08/29/24 12:00	08/29/24 17:19	11096-82-5	
PCB, Total	**<16.5**	ug/kg	54.2	16.5	1	08/29/24 12:00	08/29/24 17:19	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	65-120		1	08/29/24 12:00	08/29/24 17:19	877-09-8	
Decachlorobiphenyl (S)	69	%	55-120		1	08/29/24 12:00	08/29/24 17:19	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**4.6**	mg/kg	2.6	1.5	1	08/27/24 06:00	08/27/24 20:01	7440-38-2	
Barium	**116**	mg/kg	0.51	0.15	1	08/27/24 06:00	08/27/24 20:01	7440-39-3	
Cadmium	**0.19J**	mg/kg	0.51	0.14	1	08/27/24 06:00	08/27/24 20:01	7440-43-9	
Chromium	**13.2**	mg/kg	1.0	0.28	1	08/27/24 06:00	08/27/24 20:01	7440-47-3	
Lead	**44.4**	mg/kg	2.0	0.61	1	08/27/24 06:00	08/27/24 20:01	7439-92-1	
Selenium	**<1.3**	mg/kg	4.1	1.3	1	08/27/24 06:00	08/27/24 20:01	7782-49-2	
Silver	**<0.31**	mg/kg	1.0	0.31	1	08/27/24 06:00	08/27/24 20:01	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.21**	mg/kg	0.035	0.0099	1	08/27/24 09:25	08/28/24 09:52	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.4**	ug/kg	18.2	2.4	1	08/27/24 07:55	08/27/24 12:43	83-32-9	
Acenaphthylene	**2.5J**	ug/kg	18.2	2.3	1	08/27/24 07:55	08/27/24 12:43	208-96-8	
Anthracene	**6.9J**	ug/kg	18.2	2.3	1	08/27/24 07:55	08/27/24 12:43	120-12-7	
Benzo(a)anthracene	**18.3**	ug/kg	18.2	2.3	1	08/27/24 07:55	08/27/24 12:43	56-55-3	
Benzo(a)pyrene	**18.0J**	ug/kg	18.2	2.1	1	08/27/24 07:55	08/27/24 12:43	50-32-8	
Benzo(b)fluoranthene	**23.4**	ug/kg	18.2	2.5	1	08/27/24 07:55	08/27/24 12:43	205-99-2	
Benzo(g,h,i)perylene	**14.2J**	ug/kg	18.2	3.2	1	08/27/24 07:55	08/27/24 12:43	191-24-2	
Benzo(k)fluoranthene	**9.8J**	ug/kg	18.2	2.3	1	08/27/24 07:55	08/27/24 12:43	207-08-9	
Chrysene	**19.2**	ug/kg	18.2	3.4	1	08/27/24 07:55	08/27/24 12:43	218-01-9	
Dibenz(a,h)anthracene	**3.5J**	ug/kg	18.2	2.5	1	08/27/24 07:55	08/27/24 12:43	53-70-3	
Fluoranthene	**38.0**	ug/kg	18.2	2.1	1	08/27/24 07:55	08/27/24 12:43	206-44-0	
Fluorene	**2.6J**	ug/kg	18.2	2.2	1	08/27/24 07:55	08/27/24 12:43	86-73-7	
Indeno(1,2,3-cd)pyrene	**10.6J**	ug/kg	18.2	3.8	1	08/27/24 07:55	08/27/24 12:43	193-39-5	
1-Methylnaphthalene	**<2.7**	ug/kg	18.2	2.7	1	08/27/24 07:55	08/27/24 12:43	90-12-0	
2-Methylnaphthalene	**<2.7**	ug/kg	18.2	2.7	1	08/27/24 07:55	08/27/24 12:43	91-57-6	
Naphthalene	**<1.8**	ug/kg	18.2	1.8	1	08/27/24 07:55	08/27/24 12:43	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (0-4') **Lab ID: 40283117011** Collected: 08/21/24 12:00 Received: 08/23/24 13:55 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	**26.9**	ug/kg	18.2	2.1	1	08/27/24 07:55	08/27/24 12:43	85-01-8	
Pyrene	**28.7**	ug/kg	18.2	2.7	1	08/27/24 07:55	08/27/24 12:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%	39-120		1	08/27/24 07:55	08/27/24 12:43	321-60-8	
Terphenyl-d14 (S)	81	%	36-120		1	08/27/24 07:55	08/27/24 12:43	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.0**	ug/kg	23.5	14.0	1	08/27/24 08:30	08/27/24 18:12	71-43-2	
Bromobenzene	**<22.9**	ug/kg	58.7	22.9	1	08/27/24 08:30	08/27/24 18:12	108-86-1	
Bromochloromethane	**<16.1**	ug/kg	58.7	16.1	1	08/27/24 08:30	08/27/24 18:12	74-97-5	
Bromodichloromethane	**<14.0**	ug/kg	58.7	14.0	1	08/27/24 08:30	08/27/24 18:12	75-27-4	
Bromoform	**<258**	ug/kg	294	258	1	08/27/24 08:30	08/27/24 18:12	75-25-2	
Bromomethane	**<82.3**	ug/kg	294	82.3	1	08/27/24 08:30	08/27/24 18:12	74-83-9	v1
n-Butylbenzene	**<26.9**	ug/kg	58.7	26.9	1	08/27/24 08:30	08/27/24 18:12	104-51-8	
sec-Butylbenzene	**<20.2**	ug/kg	58.7	20.2	1	08/27/24 08:30	08/27/24 18:12	135-98-8	
tert-Butylbenzene	**<18.4**	ug/kg	58.7	18.4	1	08/27/24 08:30	08/27/24 18:12	98-06-6	
Carbon tetrachloride	**<12.9**	ug/kg	58.7	12.9	1	08/27/24 08:30	08/27/24 18:12	56-23-5	
Chlorobenzene	**<7.0**	ug/kg	58.7	7.0	1	08/27/24 08:30	08/27/24 18:12	108-90-7	
Chloroethane	**<24.8**	ug/kg	294	24.8	1	08/27/24 08:30	08/27/24 18:12	75-00-3	v1
Chloroform	**<42.1**	ug/kg	294	42.1	1	08/27/24 08:30	08/27/24 18:12	67-66-3	
Chloromethane	**<22.3**	ug/kg	58.7	22.3	1	08/27/24 08:30	08/27/24 18:12	74-87-3	
2-Chlorotoluene	**<19.0**	ug/kg	58.7	19.0	1	08/27/24 08:30	08/27/24 18:12	95-49-8	
4-Chlorotoluene	**<22.3**	ug/kg	58.7	22.3	1	08/27/24 08:30	08/27/24 18:12	106-43-4	
1,2-Dibromo-3-chloropropane	**<45.6**	ug/kg	294	45.6	1	08/27/24 08:30	08/27/24 18:12	96-12-8	
Dibromochloromethane	**<201**	ug/kg	294	201	1	08/27/24 08:30	08/27/24 18:12	124-48-1	
1,2-Dibromoethane (EDB)	**<16.1**	ug/kg	58.7	16.1	1	08/27/24 08:30	08/27/24 18:12	106-93-4	
Dibromomethane	**<17.4**	ug/kg	58.7	17.4	1	08/27/24 08:30	08/27/24 18:12	74-95-3	
1,2-Dichlorobenzene	**<18.2**	ug/kg	58.7	18.2	1	08/27/24 08:30	08/27/24 18:12	95-50-1	
1,3-Dichlorobenzene	**<16.1**	ug/kg	58.7	16.1	1	08/27/24 08:30	08/27/24 18:12	541-73-1	
1,4-Dichlorobenzene	**<16.1**	ug/kg	58.7	16.1	1	08/27/24 08:30	08/27/24 18:12	106-46-7	
Dichlorodifluoromethane	**<25.3**	ug/kg	58.7	25.3	1	08/27/24 08:30	08/27/24 18:12	75-71-8	
1,1-Dichloroethane	**<15.0**	ug/kg	58.7	15.0	1	08/27/24 08:30	08/27/24 18:12	75-34-3	
1,2-Dichloroethane	**<13.5**	ug/kg	58.7	13.5	1	08/27/24 08:30	08/27/24 18:12	107-06-2	
1,1-Dichloroethene	**<19.5**	ug/kg	58.7	19.5	1	08/27/24 08:30	08/27/24 18:12	75-35-4	
cis-1,2-Dichloroethene	**<12.6**	ug/kg	58.7	12.6	1	08/27/24 08:30	08/27/24 18:12	156-59-2	
trans-1,2-Dichloroethene	**<12.8**	ug/kg	58.7	12.8	1	08/27/24 08:30	08/27/24 18:12	156-60-5	
1,2-Dichloropropane	**<14.0**	ug/kg	58.7	14.0	1	08/27/24 08:30	08/27/24 18:12	78-87-5	
1,3-Dichloropropane	**<12.8**	ug/kg	58.7	12.8	1	08/27/24 08:30	08/27/24 18:12	142-28-9	
2,2-Dichloropropane	**<15.9**	ug/kg	58.7	15.9	1	08/27/24 08:30	08/27/24 18:12	594-20-7	
1,1-Dichloropropene	**<19.0**	ug/kg	58.7	19.0	1	08/27/24 08:30	08/27/24 18:12	563-58-6	
cis-1,3-Dichloropropene	**<38.8**	ug/kg	294	38.8	1	08/27/24 08:30	08/27/24 18:12	10061-01-5	
trans-1,3-Dichloropropene	**<168**	ug/kg	294	168	1	08/27/24 08:30	08/27/24 18:12	10061-02-6	
Diisopropyl ether	**<14.6**	ug/kg	58.7	14.6	1	08/27/24 08:30	08/27/24 18:12	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (0-4') **Lab ID: 40283117011** Collected: 08/21/24 12:00 Received: 08/23/24 13:55 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								
Ethylbenzene	**<14.0**	ug/kg	58.7	14.0	1	08/27/24 08:30	08/27/24 18:12	100-41-4	
Hexachloro-1,3-butadiene	**<117**	ug/kg	294	117	1	08/27/24 08:30	08/27/24 18:12	87-68-3	
Isopropylbenzene (Cumene)	**<15.9**	ug/kg	58.7	15.9	1	08/27/24 08:30	08/27/24 18:12	98-82-8	
p-Isopropyltoluene	**<20.0**	ug/kg	58.7	20.0	1	08/27/24 08:30	08/27/24 18:12	99-87-6	
Methylene Chloride	**<16.3**	ug/kg	58.7	16.3	1	08/27/24 08:30	08/27/24 18:12	75-09-2	
Methyl-tert-butyl ether	**<17.3**	ug/kg	58.7	17.3	1	08/27/24 08:30	08/27/24 18:12	1634-04-4	
Naphthalene	**<24.7**	ug/kg	294	24.7	1	08/27/24 08:30	08/27/24 18:12	91-20-3	
n-Propylbenzene	**<14.1**	ug/kg	58.7	14.1	1	08/27/24 08:30	08/27/24 18:12	103-65-1	
Styrene	**<15.0**	ug/kg	58.7	15.0	1	08/27/24 08:30	08/27/24 18:12	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.1**	ug/kg	58.7	14.1	1	08/27/24 08:30	08/27/24 18:12	630-20-6	
1,1,2,2-Tetrachloroethane	**<21.3**	ug/kg	58.7	21.3	1	08/27/24 08:30	08/27/24 18:12	79-34-5	
Tetrachloroethene	**<22.8**	ug/kg	58.7	22.8	1	08/27/24 08:30	08/27/24 18:12	127-18-4	
Toluene	**<14.8**	ug/kg	58.7	14.8	1	08/27/24 08:30	08/27/24 18:12	108-88-3	
Total Trimethylbenzenes	**<36.5**	ug/kg	117	36.5	1	08/27/24 08:30	08/27/24 18:12		
1,2,3-Trichlorobenzene	**<65.4**	ug/kg	294	65.4	1	08/27/24 08:30	08/27/24 18:12	87-61-6	
1,2,4-Trichlorobenzene	**<48.4**	ug/kg	294	48.4	1	08/27/24 08:30	08/27/24 18:12	120-82-1	
1,1,1-Trichloroethane	**<15.0**	ug/kg	58.7	15.0	1	08/27/24 08:30	08/27/24 18:12	71-55-6	
1,1,2-Trichloroethane	**<21.4**	ug/kg	58.7	21.4	1	08/27/24 08:30	08/27/24 18:12	79-00-5	
Trichloroethene	**<22.0**	ug/kg	58.7	22.0	1	08/27/24 08:30	08/27/24 18:12	79-01-6	
Trichlorofluoromethane	**<17.0**	ug/kg	58.7	17.0	1	08/27/24 08:30	08/27/24 18:12	75-69-4	
1,2,3-Trichloropropane	**<28.5**	ug/kg	58.7	28.5	1	08/27/24 08:30	08/27/24 18:12	96-18-4	
1,2,4-Trimethylbenzene	**<17.5**	ug/kg	58.7	17.5	1	08/27/24 08:30	08/27/24 18:12	95-63-6	
1,3,5-Trimethylbenzene	**<18.9**	ug/kg	58.7	18.9	1	08/27/24 08:30	08/27/24 18:12	108-67-8	
Vinyl chloride	**<11.9**	ug/kg	58.7	11.9	1	08/27/24 08:30	08/27/24 18:12	75-01-4	
Xylene (Total)	**<42.4**	ug/kg	176	42.4	1	08/27/24 08:30	08/27/24 18:12	1330-20-7	
m&p-Xylene	**<24.8**	ug/kg	117	24.8	1	08/27/24 08:30	08/27/24 18:12	179601-23-1	
o-Xylene	**<17.6**	ug/kg	58.7	17.6	1	08/27/24 08:30	08/27/24 18:12	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	118	%	67-144		1	08/27/24 08:30	08/27/24 18:12	2199-69-1	
4-Bromofluorobenzene (S)	120	%	72-142		1	08/27/24 08:30	08/27/24 18:12	460-00-4	
Toluene-d8 (S)	113	%	70-139		1	08/27/24 08:30	08/27/24 18:12	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**8.0**	%	0.10	0.10	1		08/27/24 16:41		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (4-8') **Lab ID: 40283117012** Collected: 08/21/24 12:10 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.3**	ug/kg	53.4	16.3	1	08/29/24 12:00	08/29/24 17:40	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.3**	ug/kg	53.4	16.3	1	08/29/24 12:00	08/29/24 17:40	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.3**	ug/kg	53.4	16.3	1	08/29/24 12:00	08/29/24 17:40	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.3**	ug/kg	53.4	16.3	1	08/29/24 12:00	08/29/24 17:40	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.3**	ug/kg	53.4	16.3	1	08/29/24 12:00	08/29/24 17:40	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.3**	ug/kg	53.4	16.3	1	08/29/24 12:00	08/29/24 17:40	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.3**	ug/kg	53.4	16.3	1	08/29/24 12:00	08/29/24 17:40	11096-82-5	
PCB, Total	**<16.3**	ug/kg	53.4	16.3	1	08/29/24 12:00	08/29/24 17:40	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	65-120		1	08/29/24 12:00	08/29/24 17:40	877-09-8	
Decachlorobiphenyl (S)	74	%	55-120		1	08/29/24 12:00	08/29/24 17:40	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.5**	mg/kg	2.6	1.5	1	08/27/24 06:00	08/27/24 20:03	7440-38-2	
Barium	**23.3**	mg/kg	0.53	0.16	1	08/27/24 06:00	08/27/24 20:03	7440-39-3	
Cadmium	**<0.14**	mg/kg	0.53	0.14	1	08/27/24 06:00	08/27/24 20:03	7440-43-9	
Chromium	**7.8**	mg/kg	1.1	0.29	1	08/27/24 06:00	08/27/24 20:03	7440-47-3	
Lead	**1.3J**	mg/kg	2.1	0.63	1	08/27/24 06:00	08/27/24 20:03	7439-92-1	
Selenium	**<1.4**	mg/kg	4.2	1.4	1	08/27/24 06:00	08/27/24 20:03	7782-49-2	
Silver	**<0.32**	mg/kg	1.1	0.32	1	08/27/24 06:00	08/27/24 20:03	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.010**	mg/kg	0.036	0.010	1	08/27/24 09:25	08/28/24 09:54	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.8	2.3	1	08/27/24 07:55	08/27/24 12:59	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.8	2.2	1	08/27/24 07:55	08/27/24 12:59	208-96-8	
Anthracene	**<2.2**	ug/kg	17.8	2.2	1	08/27/24 07:55	08/27/24 12:59	120-12-7	
Benzo(a)anthracene	**<2.3**	ug/kg	17.8	2.3	1	08/27/24 07:55	08/27/24 12:59	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.8	2.0	1	08/27/24 07:55	08/27/24 12:59	50-32-8	
Benzo(b)fluoranthene	**<2.5**	ug/kg	17.8	2.5	1	08/27/24 07:55	08/27/24 12:59	205-99-2	
Benzo(g,h,i)perylene	**<3.1**	ug/kg	17.8	3.1	1	08/27/24 07:55	08/27/24 12:59	191-24-2	
Benzo(k)fluoranthene	**<2.3**	ug/kg	17.8	2.3	1	08/27/24 07:55	08/27/24 12:59	207-08-9	
Chrysene	**<3.4**	ug/kg	17.8	3.4	1	08/27/24 07:55	08/27/24 12:59	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	17.8	2.5	1	08/27/24 07:55	08/27/24 12:59	53-70-3	
Fluoranthene	**<2.1**	ug/kg	17.8	2.1	1	08/27/24 07:55	08/27/24 12:59	206-44-0	
Fluorene	**<2.1**	ug/kg	17.8	2.1	1	08/27/24 07:55	08/27/24 12:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.7**	ug/kg	17.8	3.7	1	08/27/24 07:55	08/27/24 12:59	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.8	2.6	1	08/27/24 07:55	08/27/24 12:59	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	17.8	2.6	1	08/27/24 07:55	08/27/24 12:59	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.8	1.7	1	08/27/24 07:55	08/27/24 12:59	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (4-8') **Lab ID: 40283117012** Collected: 08/21/24 12:10 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.0**	ug/kg	17.8	2.0	1	08/27/24 07:55	08/27/24 12:59	85-01-8	
Pyrene	**<2.6**	ug/kg	17.8	2.6	1	08/27/24 07:55	08/27/24 12:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	39-120		1	08/27/24 07:55	08/27/24 12:59	321-60-8	
Terphenyl-d14 (S)	84	%	36-120		1	08/27/24 07:55	08/27/24 12:59	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.5**	ug/kg	22.7	13.5	1	08/27/24 08:30	08/27/24 18:31	71-43-2	
Bromobenzene	**<22.1**	ug/kg	56.7	22.1	1	08/27/24 08:30	08/27/24 18:31	108-86-1	
Bromochloromethane	**<15.5**	ug/kg	56.7	15.5	1	08/27/24 08:30	08/27/24 18:31	74-97-5	
Bromodichloromethane	**<13.5**	ug/kg	56.7	13.5	1	08/27/24 08:30	08/27/24 18:31	75-27-4	
Bromoform	**<249**	ug/kg	283	249	1	08/27/24 08:30	08/27/24 18:31	75-25-2	
Bromomethane	**<79.4**	ug/kg	283	79.4	1	08/27/24 08:30	08/27/24 18:31	74-83-9	v1
n-Butylbenzene	**<25.9**	ug/kg	56.7	25.9	1	08/27/24 08:30	08/27/24 18:31	104-51-8	
sec-Butylbenzene	**<19.4**	ug/kg	56.7	19.4	1	08/27/24 08:30	08/27/24 18:31	135-98-8	
tert-Butylbenzene	**<17.8**	ug/kg	56.7	17.8	1	08/27/24 08:30	08/27/24 18:31	98-06-6	
Carbon tetrachloride	**<12.5**	ug/kg	56.7	12.5	1	08/27/24 08:30	08/27/24 18:31	56-23-5	
Chlorobenzene	**<6.8**	ug/kg	56.7	6.8	1	08/27/24 08:30	08/27/24 18:31	108-90-7	
Chloroethane	**<23.9**	ug/kg	283	23.9	1	08/27/24 08:30	08/27/24 18:31	75-00-3	v1
Chloroform	**<40.6**	ug/kg	283	40.6	1	08/27/24 08:30	08/27/24 18:31	67-66-3	
Chloromethane	**<21.5**	ug/kg	56.7	21.5	1	08/27/24 08:30	08/27/24 18:31	74-87-3	
2-Chlorotoluene	**<18.4**	ug/kg	56.7	18.4	1	08/27/24 08:30	08/27/24 18:31	95-49-8	
4-Chlorotoluene	**<21.5**	ug/kg	56.7	21.5	1	08/27/24 08:30	08/27/24 18:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<44.0**	ug/kg	283	44.0	1	08/27/24 08:30	08/27/24 18:31	96-12-8	
Dibromochloromethane	**<194**	ug/kg	283	194	1	08/27/24 08:30	08/27/24 18:31	124-48-1	
1,2-Dibromoethane (EDB)	**<15.5**	ug/kg	56.7	15.5	1	08/27/24 08:30	08/27/24 18:31	106-93-4	
Dibromomethane	**<16.8**	ug/kg	56.7	16.8	1	08/27/24 08:30	08/27/24 18:31	74-95-3	
1,2-Dichlorobenzene	**<17.6**	ug/kg	56.7	17.6	1	08/27/24 08:30	08/27/24 18:31	95-50-1	
1,3-Dichlorobenzene	**<15.5**	ug/kg	56.7	15.5	1	08/27/24 08:30	08/27/24 18:31	541-73-1	
1,4-Dichlorobenzene	**<15.5**	ug/kg	56.7	15.5	1	08/27/24 08:30	08/27/24 18:31	106-46-7	
Dichlorodifluoromethane	**<24.4**	ug/kg	56.7	24.4	1	08/27/24 08:30	08/27/24 18:31	75-71-8	
1,1-Dichloroethane	**<14.5**	ug/kg	56.7	14.5	1	08/27/24 08:30	08/27/24 18:31	75-34-3	
1,2-Dichloroethane	**<13.0**	ug/kg	56.7	13.0	1	08/27/24 08:30	08/27/24 18:31	107-06-2	
1,1-Dichloroethene	**<18.8**	ug/kg	56.7	18.8	1	08/27/24 08:30	08/27/24 18:31	75-35-4	
cis-1,2-Dichloroethene	**<12.1**	ug/kg	56.7	12.1	1	08/27/24 08:30	08/27/24 18:31	156-59-2	
trans-1,2-Dichloroethene	**<12.4**	ug/kg	56.7	12.4	1	08/27/24 08:30	08/27/24 18:31	156-60-5	
1,2-Dichloropropane	**<13.5**	ug/kg	56.7	13.5	1	08/27/24 08:30	08/27/24 18:31	78-87-5	
1,3-Dichloropropane	**<12.4**	ug/kg	56.7	12.4	1	08/27/24 08:30	08/27/24 18:31	142-28-9	
2,2-Dichloropropane	**<15.3**	ug/kg	56.7	15.3	1	08/27/24 08:30	08/27/24 18:31	594-20-7	
1,1-Dichloropropene	**<18.4**	ug/kg	56.7	18.4	1	08/27/24 08:30	08/27/24 18:31	563-58-6	
cis-1,3-Dichloropropene	**<37.4**	ug/kg	283	37.4	1	08/27/24 08:30	08/27/24 18:31	10061-01-5	
trans-1,3-Dichloropropene	**<162**	ug/kg	283	162	1	08/27/24 08:30	08/27/24 18:31	10061-02-6	
Diisopropyl ether	**<14.1**	ug/kg	56.7	14.1	1	08/27/24 08:30	08/27/24 18:31	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (4-8') **Lab ID: 40283117012** Collected: 08/21/24 12:10 Received: 08/23/24 13:55 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								
Ethylbenzene	**<13.5**	ug/kg	56.7	13.5	1	08/27/24 08:30	08/27/24 18:31	100-41-4	
Hexachloro-1,3-butadiene	**<113**	ug/kg	283	113	1	08/27/24 08:30	08/27/24 18:31	87-68-3	
Isopropylbenzene (Cumene)	**<15.3**	ug/kg	56.7	15.3	1	08/27/24 08:30	08/27/24 18:31	98-82-8	
p-Isopropyltoluene	**<19.3**	ug/kg	56.7	19.3	1	08/27/24 08:30	08/27/24 18:31	99-87-6	
Methylene Chloride	**<15.8**	ug/kg	56.7	15.8	1	08/27/24 08:30	08/27/24 18:31	75-09-2	
Methyl-tert-butyl ether	**<16.7**	ug/kg	56.7	16.7	1	08/27/24 08:30	08/27/24 18:31	1634-04-4	
Naphthalene	**<23.8**	ug/kg	283	23.8	1	08/27/24 08:30	08/27/24 18:31	91-20-3	
n-Propylbenzene	**<13.6**	ug/kg	56.7	13.6	1	08/27/24 08:30	08/27/24 18:31	103-65-1	
Styrene	**<14.5**	ug/kg	56.7	14.5	1	08/27/24 08:30	08/27/24 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.6**	ug/kg	56.7	13.6	1	08/27/24 08:30	08/27/24 18:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.5**	ug/kg	56.7	20.5	1	08/27/24 08:30	08/27/24 18:31	79-34-5	
Tetrachloroethene	**<22.0**	ug/kg	56.7	22.0	1	08/27/24 08:30	08/27/24 18:31	127-18-4	
Toluene	**<14.3**	ug/kg	56.7	14.3	1	08/27/24 08:30	08/27/24 18:31	108-88-3	
Total Trimethylbenzenes	**<35.2**	ug/kg	113	35.2	1	08/27/24 08:30	08/27/24 18:31		
1,2,3-Trichlorobenzene	**<63.1**	ug/kg	283	63.1	1	08/27/24 08:30	08/27/24 18:31	87-61-6	
1,2,4-Trichlorobenzene	**<46.7**	ug/kg	283	46.7	1	08/27/24 08:30	08/27/24 18:31	120-82-1	
1,1,1-Trichloroethane	**<14.5**	ug/kg	56.7	14.5	1	08/27/24 08:30	08/27/24 18:31	71-55-6	
1,1,2-Trichloroethane	**<20.6**	ug/kg	56.7	20.6	1	08/27/24 08:30	08/27/24 18:31	79-00-5	
Trichloroethene	**<21.2**	ug/kg	56.7	21.2	1	08/27/24 08:30	08/27/24 18:31	79-01-6	
Trichlorofluoromethane	**<16.4**	ug/kg	56.7	16.4	1	08/27/24 08:30	08/27/24 18:31	75-69-4	
1,2,3-Trichloropropane	**<27.5**	ug/kg	56.7	27.5	1	08/27/24 08:30	08/27/24 18:31	96-18-4	
1,2,4-Trimethylbenzene	**<16.9**	ug/kg	56.7	16.9	1	08/27/24 08:30	08/27/24 18:31	95-63-6	
1,3,5-Trimethylbenzene	**<18.2**	ug/kg	56.7	18.2	1	08/27/24 08:30	08/27/24 18:31	108-67-8	
Vinyl chloride	**<11.4**	ug/kg	56.7	11.4	1	08/27/24 08:30	08/27/24 18:31	75-01-4	
Xylene (Total)	**<40.9**	ug/kg	170	40.9	1	08/27/24 08:30	08/27/24 18:31	1330-20-7	
m&p-Xylene	**<23.9**	ug/kg	113	23.9	1	08/27/24 08:30	08/27/24 18:31	179601-23-1	
o-Xylene	**<17.0**	ug/kg	56.7	17.0	1	08/27/24 08:30	08/27/24 18:31	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	120	%	67-144		1	08/27/24 08:30	08/27/24 18:31	2199-69-1	
4-Bromofluorobenzene (S)	123	%	72-142		1	08/27/24 08:30	08/27/24 18:31	460-00-4	
Toluene-d8 (S)	112	%	70-139		1	08/27/24 08:30	08/27/24 18:31	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**6.2**	%	0.10	0.10	1		08/27/24 16:41		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (8-12') **Lab ID: 40283117013** Collected: 08/21/24 12:15 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 18:44	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 18:44	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 18:44	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 18:44	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 18:44	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 18:44	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 18:44	11096-82-5	
PCB, Total	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 18:44	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	65-120		1	08/29/24 12:00	08/29/24 18:44	877-09-8	
Decachlorobiphenyl (S)	65	%	55-120		1	08/29/24 12:00	08/29/24 18:44	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.4**	mg/kg	2.4	1.4	1	08/27/24 06:00	08/27/24 20:05	7440-38-2	
Barium	**20.8**	mg/kg	0.48	0.14	1	08/27/24 06:00	08/27/24 20:05	7440-39-3	
Cadmium	**<0.13**	mg/kg	0.48	0.13	1	08/27/24 06:00	08/27/24 20:05	7440-43-9	
Chromium	**6.6**	mg/kg	0.96	0.27	1	08/27/24 06:00	08/27/24 20:05	7440-47-3	
Lead	**1.1J**	mg/kg	1.9	0.58	1	08/27/24 06:00	08/27/24 20:05	7439-92-1	
Selenium	**<1.3**	mg/kg	3.8	1.3	1	08/27/24 06:00	08/27/24 20:05	7782-49-2	
Silver	**<0.29**	mg/kg	0.96	0.29	1	08/27/24 06:00	08/27/24 20:05	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0094**	mg/kg	0.033	0.0094	1	08/27/24 09:25	08/28/24 09:57	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.6	2.3	1	08/27/24 07:55	08/27/24 14:46	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.6	2.2	1	08/27/24 07:55	08/27/24 14:46	208-96-8	
Anthracene	**<2.2**	ug/kg	17.6	2.2	1	08/27/24 07:55	08/27/24 14:46	120-12-7	
Benzo(a)anthracene	**<2.3**	ug/kg	17.6	2.3	1	08/27/24 07:55	08/27/24 14:46	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.6	2.0	1	08/27/24 07:55	08/27/24 14:46	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.6	2.4	1	08/27/24 07:55	08/27/24 14:46	205-99-2	
Benzo(g,h,i)perylene	**<3.1**	ug/kg	17.6	3.1	1	08/27/24 07:55	08/27/24 14:46	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.6	2.2	1	08/27/24 07:55	08/27/24 14:46	207-08-9	
Chrysene	**<3.3**	ug/kg	17.6	3.3	1	08/27/24 07:55	08/27/24 14:46	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.6	2.4	1	08/27/24 07:55	08/27/24 14:46	53-70-3	
Fluoranthene	**<2.1**	ug/kg	17.6	2.1	1	08/27/24 07:55	08/27/24 14:46	206-44-0	
Fluorene	**<2.1**	ug/kg	17.6	2.1	1	08/27/24 07:55	08/27/24 14:46	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.7**	ug/kg	17.6	3.7	1	08/27/24 07:55	08/27/24 14:46	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.6	2.6	1	08/27/24 07:55	08/27/24 14:46	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	17.6	2.6	1	08/27/24 07:55	08/27/24 14:46	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.6	1.7	1	08/27/24 07:55	08/27/24 14:46	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (8-12') **Lab ID: 40283117013** Collected: 08/21/24 12:15 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.0**	ug/kg	17.6	2.0	1	08/27/24 07:55	08/27/24 14:46	85-01-8	
Pyrene	**<2.6**	ug/kg	17.6	2.6	1	08/27/24 07:55	08/27/24 14:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	39-120		1	08/27/24 07:55	08/27/24 14:46	321-60-8	
Terphenyl-d14 (S)	86	%	36-120		1	08/27/24 07:55	08/27/24 14:46	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.1**	ug/kg	22.1	13.1	1	08/27/24 08:30	08/27/24 18:51	71-43-2	
Bromobenzene	**<21.5**	ug/kg	55.2	21.5	1	08/27/24 08:30	08/27/24 18:51	108-86-1	
Bromochloromethane	**<15.1**	ug/kg	55.2	15.1	1	08/27/24 08:30	08/27/24 18:51	74-97-5	
Bromodichloromethane	**<13.1**	ug/kg	55.2	13.1	1	08/27/24 08:30	08/27/24 18:51	75-27-4	
Bromoform	**<243**	ug/kg	276	243	1	08/27/24 08:30	08/27/24 18:51	75-25-2	
Bromomethane	**<77.3**	ug/kg	276	77.3	1	08/27/24 08:30	08/27/24 18:51	74-83-9	v1
n-Butylbenzene	**<25.3**	ug/kg	55.2	25.3	1	08/27/24 08:30	08/27/24 18:51	104-51-8	
sec-Butylbenzene	**<18.9**	ug/kg	55.2	18.9	1	08/27/24 08:30	08/27/24 18:51	135-98-8	
tert-Butylbenzene	**<17.3**	ug/kg	55.2	17.3	1	08/27/24 08:30	08/27/24 18:51	98-06-6	
Carbon tetrachloride	**<12.1**	ug/kg	55.2	12.1	1	08/27/24 08:30	08/27/24 18:51	56-23-5	
Chlorobenzene	**<6.6**	ug/kg	55.2	6.6	1	08/27/24 08:30	08/27/24 18:51	108-90-7	
Chloroethane	**<23.3**	ug/kg	276	23.3	1	08/27/24 08:30	08/27/24 18:51	75-00-3	v1
Chloroform	**<39.5**	ug/kg	276	39.5	1	08/27/24 08:30	08/27/24 18:51	67-66-3	
Chloromethane	**<21.0**	ug/kg	55.2	21.0	1	08/27/24 08:30	08/27/24 18:51	74-87-3	
2-Chlorotoluene	**<17.9**	ug/kg	55.2	17.9	1	08/27/24 08:30	08/27/24 18:51	95-49-8	
4-Chlorotoluene	**<21.0**	ug/kg	55.2	21.0	1	08/27/24 08:30	08/27/24 18:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<42.8**	ug/kg	276	42.8	1	08/27/24 08:30	08/27/24 18:51	96-12-8	
Dibromochloromethane	**<189**	ug/kg	276	189	1	08/27/24 08:30	08/27/24 18:51	124-48-1	
1,2-Dibromoethane (EDB)	**<15.1**	ug/kg	55.2	15.1	1	08/27/24 08:30	08/27/24 18:51	106-93-4	
Dibromomethane	**<16.3**	ug/kg	55.2	16.3	1	08/27/24 08:30	08/27/24 18:51	74-95-3	
1,2-Dichlorobenzene	**<17.1**	ug/kg	55.2	17.1	1	08/27/24 08:30	08/27/24 18:51	95-50-1	
1,3-Dichlorobenzene	**<15.1**	ug/kg	55.2	15.1	1	08/27/24 08:30	08/27/24 18:51	541-73-1	
1,4-Dichlorobenzene	**<15.1**	ug/kg	55.2	15.1	1	08/27/24 08:30	08/27/24 18:51	106-46-7	
Dichlorodifluoromethane	**<23.7**	ug/kg	55.2	23.7	1	08/27/24 08:30	08/27/24 18:51	75-71-8	
1,1-Dichloroethane	**<14.1**	ug/kg	55.2	14.1	1	08/27/24 08:30	08/27/24 18:51	75-34-3	
1,2-Dichloroethane	**<12.7**	ug/kg	55.2	12.7	1	08/27/24 08:30	08/27/24 18:51	107-06-2	
1,1-Dichloroethene	**<18.3**	ug/kg	55.2	18.3	1	08/27/24 08:30	08/27/24 18:51	75-35-4	
cis-1,2-Dichloroethene	**<11.8**	ug/kg	55.2	11.8	1	08/27/24 08:30	08/27/24 18:51	156-59-2	
trans-1,2-Dichloroethene	**<12.1**	ug/kg	55.2	12.1	1	08/27/24 08:30	08/27/24 18:51	156-60-5	
1,2-Dichloropropane	**<13.1**	ug/kg	55.2	13.1	1	08/27/24 08:30	08/27/24 18:51	78-87-5	
1,3-Dichloropropane	**<12.0**	ug/kg	55.2	12.0	1	08/27/24 08:30	08/27/24 18:51	142-28-9	
2,2-Dichloropropane	**<14.9**	ug/kg	55.2	14.9	1	08/27/24 08:30	08/27/24 18:51	594-20-7	
1,1-Dichloropropene	**<17.9**	ug/kg	55.2	17.9	1	08/27/24 08:30	08/27/24 18:51	563-58-6	
cis-1,3-Dichloropropene	**<36.4**	ug/kg	276	36.4	1	08/27/24 08:30	08/27/24 18:51	10061-01-5	
trans-1,3-Dichloropropene	**<158**	ug/kg	276	158	1	08/27/24 08:30	08/27/24 18:51	10061-02-6	
Diisopropyl ether	**<13.7**	ug/kg	55.2	13.7	1	08/27/24 08:30	08/27/24 18:51	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (8-12') **Lab ID: 40283117013** Collected: 08/21/24 12:15 Received: 08/23/24 13:55 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								
Ethylbenzene	**<13.1**	ug/kg	55.2	13.1	1	08/27/24 08:30	08/27/24 18:51	100-41-4	
Hexachloro-1,3-butadiene	**<110**	ug/kg	276	110	1	08/27/24 08:30	08/27/24 18:51	87-68-3	
Isopropylbenzene (Cumene)	**<14.9**	ug/kg	55.2	14.9	1	08/27/24 08:30	08/27/24 18:51	98-82-8	
p-Isopropyltoluene	**<18.8**	ug/kg	55.2	18.8	1	08/27/24 08:30	08/27/24 18:51	99-87-6	
Methylene Chloride	**<15.3**	ug/kg	55.2	15.3	1	08/27/24 08:30	08/27/24 18:51	75-09-2	
Methyl-tert-butyl ether	**<16.2**	ug/kg	55.2	16.2	1	08/27/24 08:30	08/27/24 18:51	1634-04-4	
Naphthalene	**<23.2**	ug/kg	276	23.2	1	08/27/24 08:30	08/27/24 18:51	91-20-3	
n-Propylbenzene	**<13.2**	ug/kg	55.2	13.2	1	08/27/24 08:30	08/27/24 18:51	103-65-1	
Styrene	**<14.1**	ug/kg	55.2	14.1	1	08/27/24 08:30	08/27/24 18:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.2**	ug/kg	55.2	13.2	1	08/27/24 08:30	08/27/24 18:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.0**	ug/kg	55.2	20.0	1	08/27/24 08:30	08/27/24 18:51	79-34-5	
Tetrachloroethene	**<21.4**	ug/kg	55.2	21.4	1	08/27/24 08:30	08/27/24 18:51	127-18-4	
Toluene	**<13.9**	ug/kg	55.2	13.9	1	08/27/24 08:30	08/27/24 18:51	108-88-3	
Total Trimethylbenzenes	**<34.3**	ug/kg	110	34.3	1	08/27/24 08:30	08/27/24 18:51		
1,2,3-Trichlorobenzene	**<61.4**	ug/kg	276	61.4	1	08/27/24 08:30	08/27/24 18:51	87-61-6	
1,2,4-Trichlorobenzene	**<45.4**	ug/kg	276	45.4	1	08/27/24 08:30	08/27/24 18:51	120-82-1	
1,1,1-Trichloroethane	**<14.1**	ug/kg	55.2	14.1	1	08/27/24 08:30	08/27/24 18:51	71-55-6	
1,1,2-Trichloroethane	**<20.1**	ug/kg	55.2	20.1	1	08/27/24 08:30	08/27/24 18:51	79-00-5	
Trichloroethene	**<20.6**	ug/kg	55.2	20.6	1	08/27/24 08:30	08/27/24 18:51	79-01-6	
Trichlorofluoromethane	**<16.0**	ug/kg	55.2	16.0	1	08/27/24 08:30	08/27/24 18:51	75-69-4	
1,2,3-Trichloropropane	**<26.8**	ug/kg	55.2	26.8	1	08/27/24 08:30	08/27/24 18:51	96-18-4	
1,2,4-Trimethylbenzene	**<16.4**	ug/kg	55.2	16.4	1	08/27/24 08:30	08/27/24 18:51	95-63-6	
1,3,5-Trimethylbenzene	**<17.8**	ug/kg	55.2	17.8	1	08/27/24 08:30	08/27/24 18:51	108-67-8	
Vinyl chloride	**<11.1**	ug/kg	55.2	11.1	1	08/27/24 08:30	08/27/24 18:51	75-01-4	
Xylene (Total)	**<39.8**	ug/kg	165	39.8	1	08/27/24 08:30	08/27/24 18:51	1330-20-7	
m&p-Xylene	**<23.3**	ug/kg	110	23.3	1	08/27/24 08:30	08/27/24 18:51	179601-23-1	
o-Xylene	**<16.5**	ug/kg	55.2	16.5	1	08/27/24 08:30	08/27/24 18:51	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	122	%	67-144		1	08/27/24 08:30	08/27/24 18:51	2199-69-1	
4-Bromofluorobenzene (S)	123	%	72-142		1	08/27/24 08:30	08/27/24 18:51	460-00-4	
Toluene-d8 (S)	115	%	70-139		1	08/27/24 08:30	08/27/24 18:51	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**4.9**	%	0.10	0.10	1		08/27/24 16:41		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (40') **Lab ID: 40283117014** Collected: 08/21/24 12:40 Received: 08/23/24 13:55 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)	**<15.3**	ug/kg	50.4	15.3	1	08/29/24 12:00	08/29/24 19:05	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.3**	ug/kg	50.4	15.3	1	08/29/24 12:00	08/29/24 19:05	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.3**	ug/kg	50.4	15.3	1	08/29/24 12:00	08/29/24 19:05	11141-16-5	
PCB-1242 (Aroclor 1242)	**<15.3**	ug/kg	50.4	15.3	1	08/29/24 12:00	08/29/24 19:05	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.3**	ug/kg	50.4	15.3	1	08/29/24 12:00	08/29/24 19:05	12672-29-6	
PCB-1254 (Aroclor 1254)	**<15.3**	ug/kg	50.4	15.3	1	08/29/24 12:00	08/29/24 19:05	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.3**	ug/kg	50.4	15.3	1	08/29/24 12:00	08/29/24 19:05	11096-82-5	
PCB, Total	**<15.3**	ug/kg	50.4	15.3	1	08/29/24 12:00	08/29/24 19:05	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	65-120		1	08/29/24 12:00	08/29/24 19:05	877-09-8	
Decachlorobiphenyl (S)	73	%	55-120		1	08/29/24 12:00	08/29/24 19:05	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.3**	mg/kg	2.3	1.3	1	08/27/24 06:00	08/27/24 20:07	7440-38-2	
Barium	**15.4**	mg/kg	0.45	0.14	1	08/27/24 06:00	08/27/24 20:07	7440-39-3	
Cadmium	**<0.12**	mg/kg	0.45	0.12	1	08/27/24 06:00	08/27/24 20:07	7440-43-9	
Chromium	**9.7**	mg/kg	0.91	0.25	1	08/27/24 06:00	08/27/24 20:07	7440-47-3	
Lead	**1.1J**	mg/kg	1.8	0.54	1	08/27/24 06:00	08/27/24 20:07	7439-92-1	
Selenium	**<1.2**	mg/kg	3.6	1.2	1	08/27/24 06:00	08/27/24 20:07	7782-49-2	
Silver	**<0.28**	mg/kg	0.91	0.28	1	08/27/24 06:00	08/27/24 20:07	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0091**	mg/kg	0.032	0.0091	1	08/27/24 09:25	08/28/24 09:59	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	16.9	2.2	1	08/27/24 07:55	08/27/24 15:01	83-32-9	
Acenaphthylene	**<2.1**	ug/kg	16.9	2.1	1	08/27/24 07:55	08/27/24 15:01	208-96-8	
Anthracene	**<2.1**	ug/kg	16.9	2.1	1	08/27/24 07:55	08/27/24 15:01	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	16.9	2.2	1	08/27/24 07:55	08/27/24 15:01	56-55-3	
Benzo(a)pyrene	**<1.9**	ug/kg	16.9	1.9	1	08/27/24 07:55	08/27/24 15:01	50-32-8	
Benzo(b)fluoranthene	**<2.3**	ug/kg	16.9	2.3	1	08/27/24 07:55	08/27/24 15:01	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	16.9	3.0	1	08/27/24 07:55	08/27/24 15:01	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	16.9	2.2	1	08/27/24 07:55	08/27/24 15:01	207-08-9	
Chrysene	**<3.2**	ug/kg	16.9	3.2	1	08/27/24 07:55	08/27/24 15:01	218-01-9	
Dibenz(a,h)anthracene	**<2.3**	ug/kg	16.9	2.3	1	08/27/24 07:55	08/27/24 15:01	53-70-3	
Fluoranthene	**<2.0**	ug/kg	16.9	2.0	1	08/27/24 07:55	08/27/24 15:01	206-44-0	
Fluorene	**<2.0**	ug/kg	16.9	2.0	1	08/27/24 07:55	08/27/24 15:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.5**	ug/kg	16.9	3.5	1	08/27/24 07:55	08/27/24 15:01	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	16.9	2.5	1	08/27/24 07:55	08/27/24 15:01	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	16.9	2.5	1	08/27/24 07:55	08/27/24 15:01	91-57-6	
Naphthalene	**<1.6**	ug/kg	16.9	1.6	1	08/27/24 07:55	08/27/24 15:01	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (40') **Lab ID: 40283117014** Collected: 08/21/24 12:40 Received: 08/23/24 13:55 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	**<1.9**	ug/kg	16.9	1.9	1	08/27/24 07:55	08/27/24 15:01	85-01-8	
Pyrene	**<2.5**	ug/kg	16.9	2.5	1	08/27/24 07:55	08/27/24 15:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	39-120		1	08/27/24 07:55	08/27/24 15:01	321-60-8	
Terphenyl-d14 (S)	77	%	36-120		1	08/27/24 07:55	08/27/24 15:01	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.1**	ug/kg	20.3	12.1	1	08/27/24 08:30	08/27/24 19:10	71-43-2	
Bromobenzene	**<19.8**	ug/kg	50.8	19.8	1	08/27/24 08:30	08/27/24 19:10	108-86-1	
Bromochloromethane	**<13.9**	ug/kg	50.8	13.9	1	08/27/24 08:30	08/27/24 19:10	74-97-5	
Bromodichloromethane	**<12.1**	ug/kg	50.8	12.1	1	08/27/24 08:30	08/27/24 19:10	75-27-4	
Bromoform	**<224**	ug/kg	254	224	1	08/27/24 08:30	08/27/24 19:10	75-25-2	
Bromomethane	**<71.2**	ug/kg	254	71.2	1	08/27/24 08:30	08/27/24 19:10	74-83-9	v1
n-Butylbenzene	**<23.3**	ug/kg	50.8	23.3	1	08/27/24 08:30	08/27/24 19:10	104-51-8	
sec-Butylbenzene	**<17.4**	ug/kg	50.8	17.4	1	08/27/24 08:30	08/27/24 19:10	135-98-8	
tert-Butylbenzene	**<16.0**	ug/kg	50.8	16.0	1	08/27/24 08:30	08/27/24 19:10	98-06-6	
Carbon tetrachloride	**<11.2**	ug/kg	50.8	11.2	1	08/27/24 08:30	08/27/24 19:10	56-23-5	
Chlorobenzene	**<6.1**	ug/kg	50.8	6.1	1	08/27/24 08:30	08/27/24 19:10	108-90-7	
Chloroethane	**<21.4**	ug/kg	254	21.4	1	08/27/24 08:30	08/27/24 19:10	75-00-3	v1
Chloroform	**<36.4**	ug/kg	254	36.4	1	08/27/24 08:30	08/27/24 19:10	67-66-3	
Chloromethane	**<19.3**	ug/kg	50.8	19.3	1	08/27/24 08:30	08/27/24 19:10	74-87-3	
2-Chlorotoluene	**<16.5**	ug/kg	50.8	16.5	1	08/27/24 08:30	08/27/24 19:10	95-49-8	
4-Chlorotoluene	**<19.3**	ug/kg	50.8	19.3	1	08/27/24 08:30	08/27/24 19:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<39.4**	ug/kg	254	39.4	1	08/27/24 08:30	08/27/24 19:10	96-12-8	
Dibromochloromethane	**<174**	ug/kg	254	174	1	08/27/24 08:30	08/27/24 19:10	124-48-1	
1,2-Dibromoethane (EDB)	**<13.9**	ug/kg	50.8	13.9	1	08/27/24 08:30	08/27/24 19:10	106-93-4	
Dibromomethane	**<15.0**	ug/kg	50.8	15.0	1	08/27/24 08:30	08/27/24 19:10	74-95-3	
1,2-Dichlorobenzene	**<15.7**	ug/kg	50.8	15.7	1	08/27/24 08:30	08/27/24 19:10	95-50-1	
1,3-Dichlorobenzene	**<13.9**	ug/kg	50.8	13.9	1	08/27/24 08:30	08/27/24 19:10	541-73-1	
1,4-Dichlorobenzene	**<13.9**	ug/kg	50.8	13.9	1	08/27/24 08:30	08/27/24 19:10	106-46-7	
Dichlorodifluoromethane	**<21.8**	ug/kg	50.8	21.8	1	08/27/24 08:30	08/27/24 19:10	75-71-8	
1,1-Dichloroethane	**<13.0**	ug/kg	50.8	13.0	1	08/27/24 08:30	08/27/24 19:10	75-34-3	
1,2-Dichloroethane	**<11.7**	ug/kg	50.8	11.7	1	08/27/24 08:30	08/27/24 19:10	107-06-2	
1,1-Dichloroethene	**<16.9**	ug/kg	50.8	16.9	1	08/27/24 08:30	08/27/24 19:10	75-35-4	
cis-1,2-Dichloroethene	**<10.9**	ug/kg	50.8	10.9	1	08/27/24 08:30	08/27/24 19:10	156-59-2	
trans-1,2-Dichloroethene	**<11.1**	ug/kg	50.8	11.1	1	08/27/24 08:30	08/27/24 19:10	156-60-5	
1,2-Dichloropropane	**<12.1**	ug/kg	50.8	12.1	1	08/27/24 08:30	08/27/24 19:10	78-87-5	
1,3-Dichloropropane	**<11.1**	ug/kg	50.8	11.1	1	08/27/24 08:30	08/27/24 19:10	142-28-9	
2,2-Dichloropropane	**<13.7**	ug/kg	50.8	13.7	1	08/27/24 08:30	08/27/24 19:10	594-20-7	
1,1-Dichloropropene	**<16.5**	ug/kg	50.8	16.5	1	08/27/24 08:30	08/27/24 19:10	563-58-6	
cis-1,3-Dichloropropene	**<33.5**	ug/kg	254	33.5	1	08/27/24 08:30	08/27/24 19:10	10061-01-5	
trans-1,3-Dichloropropene	**<145**	ug/kg	254	145	1	08/27/24 08:30	08/27/24 19:10	10061-02-6	
Diisopropyl ether	**<12.6**	ug/kg	50.8	12.6	1	08/27/24 08:30	08/27/24 19:10	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (40') **Lab ID: 40283117014** Collected: 08/21/24 12:40 Received: 08/23/24 13:55 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								
Ethylbenzene	**<12.1**	ug/kg	50.8	12.1	1	08/27/24 08:30	08/27/24 19:10	100-41-4	
Hexachloro-1,3-butadiene	**<101**	ug/kg	254	101	1	08/27/24 08:30	08/27/24 19:10	87-68-3	
Isopropylbenzene (Cumene)	**<13.7**	ug/kg	50.8	13.7	1	08/27/24 08:30	08/27/24 19:10	98-82-8	
p-Isopropyltoluene	**<17.3**	ug/kg	50.8	17.3	1	08/27/24 08:30	08/27/24 19:10	99-87-6	
Methylene Chloride	**<14.1**	ug/kg	50.8	14.1	1	08/27/24 08:30	08/27/24 19:10	75-09-2	
Methyl-tert-butyl ether	**<14.9**	ug/kg	50.8	14.9	1	08/27/24 08:30	08/27/24 19:10	1634-04-4	
Naphthalene	**<21.4**	ug/kg	254	21.4	1	08/27/24 08:30	08/27/24 19:10	91-20-3	
n-Propylbenzene	**<12.2**	ug/kg	50.8	12.2	1	08/27/24 08:30	08/27/24 19:10	103-65-1	
Styrene	**<13.0**	ug/kg	50.8	13.0	1	08/27/24 08:30	08/27/24 19:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.2**	ug/kg	50.8	12.2	1	08/27/24 08:30	08/27/24 19:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.4**	ug/kg	50.8	18.4	1	08/27/24 08:30	08/27/24 19:10	79-34-5	
Tetrachloroethene	**<19.7**	ug/kg	50.8	19.7	1	08/27/24 08:30	08/27/24 19:10	127-18-4	
Toluene	**<12.8**	ug/kg	50.8	12.8	1	08/27/24 08:30	08/27/24 19:10	108-88-3	
Total Trimethylbenzenes	**<31.6**	ug/kg	102	31.6	1	08/27/24 08:30	08/27/24 19:10		
1,2,3-Trichlorobenzene	**<56.6**	ug/kg	254	56.6	1	08/27/24 08:30	08/27/24 19:10	87-61-6	
1,2,4-Trichlorobenzene	**<41.9**	ug/kg	254	41.9	1	08/27/24 08:30	08/27/24 19:10	120-82-1	
1,1,1-Trichloroethane	**<13.0**	ug/kg	50.8	13.0	1	08/27/24 08:30	08/27/24 19:10	71-55-6	
1,1,2-Trichloroethane	**<18.5**	ug/kg	50.8	18.5	1	08/27/24 08:30	08/27/24 19:10	79-00-5	
Trichloroethene	**<19.0**	ug/kg	50.8	19.0	1	08/27/24 08:30	08/27/24 19:10	79-01-6	
Trichlorofluoromethane	**<14.7**	ug/kg	50.8	14.7	1	08/27/24 08:30	08/27/24 19:10	75-69-4	
1,2,3-Trichloropropane	**<24.7**	ug/kg	50.8	24.7	1	08/27/24 08:30	08/27/24 19:10	96-18-4	
1,2,4-Trimethylbenzene	**<15.1**	ug/kg	50.8	15.1	1	08/27/24 08:30	08/27/24 19:10	95-63-6	
1,3,5-Trimethylbenzene	**<16.4**	ug/kg	50.8	16.4	1	08/27/24 08:30	08/27/24 19:10	108-67-8	
Vinyl chloride	**<10.3**	ug/kg	50.8	10.3	1	08/27/24 08:30	08/27/24 19:10	75-01-4	
Xylene (Total)	**<36.7**	ug/kg	152	36.7	1	08/27/24 08:30	08/27/24 19:10	1330-20-7	
m&p-Xylene	**<21.4**	ug/kg	102	21.4	1	08/27/24 08:30	08/27/24 19:10	179601-23-1	
o-Xylene	**<15.2**	ug/kg	50.8	15.2	1	08/27/24 08:30	08/27/24 19:10	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	120	%	67-144		1	08/27/24 08:30	08/27/24 19:10	2199-69-1	
4-Bromofluorobenzene (S)	120	%	72-142		1	08/27/24 08:30	08/27/24 19:10	460-00-4	
Toluene-d8 (S)	113	%	70-139		1	08/27/24 08:30	08/27/24 19:10	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**0.79**	%	0.10	0.10	1		08/27/24 16:41		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (48') **Lab ID: 40283117015** Collected: 08/21/24 12:20 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.7**	ug/kg	54.8	16.7	1	08/29/24 12:00	08/29/24 19:27	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.7**	ug/kg	54.8	16.7	1	08/29/24 12:00	08/29/24 19:27	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.7**	ug/kg	54.8	16.7	1	08/29/24 12:00	08/29/24 19:27	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.7**	ug/kg	54.8	16.7	1	08/29/24 12:00	08/29/24 19:27	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.7**	ug/kg	54.8	16.7	1	08/29/24 12:00	08/29/24 19:27	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.7**	ug/kg	54.8	16.7	1	08/29/24 12:00	08/29/24 19:27	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.7**	ug/kg	54.8	16.7	1	08/29/24 12:00	08/29/24 19:27	11096-82-5	
PCB, Total	**<16.7**	ug/kg	54.8	16.7	1	08/29/24 12:00	08/29/24 19:27	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	65-120		1	08/29/24 12:00	08/29/24 19:27	877-09-8	
Decachlorobiphenyl (S)	73	%	55-120		1	08/29/24 12:00	08/29/24 19:27	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.5**	mg/kg	2.5	1.5	1	08/27/24 06:00	08/27/24 20:13	7440-38-2	
Barium	**21.4**	mg/kg	0.50	0.15	1	08/27/24 06:00	08/27/24 20:13	7440-39-3	
Cadmium	**<0.13**	mg/kg	0.50	0.13	1	08/27/24 06:00	08/27/24 20:13	7440-43-9	
Chromium	**14.4**	mg/kg	0.99	0.28	1	08/27/24 06:00	08/27/24 20:13	7440-47-3	
Lead	**1.0J**	mg/kg	2.0	0.59	1	08/27/24 06:00	08/27/24 20:13	7439-92-1	
Selenium	**<1.3**	mg/kg	4.0	1.3	1	08/27/24 06:00	08/27/24 20:13	7782-49-2	
Silver	**<0.30**	mg/kg	0.99	0.30	1	08/27/24 06:00	08/27/24 20:13	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.011**	mg/kg	0.038	0.011	1	08/27/24 09:25	08/28/24 10:01	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.4**	ug/kg	18.3	2.4	1	08/27/24 07:55	08/27/24 15:17	83-32-9	
Acenaphthylene	**<2.3**	ug/kg	18.3	2.3	1	08/27/24 07:55	08/27/24 15:17	208-96-8	
Anthracene	**<2.3**	ug/kg	18.3	2.3	1	08/27/24 07:55	08/27/24 15:17	120-12-7	
Benzo(a)anthracene	**<2.4**	ug/kg	18.3	2.4	1	08/27/24 07:55	08/27/24 15:17	56-55-3	
Benzo(a)pyrene	**<2.1**	ug/kg	18.3	2.1	1	08/27/24 07:55	08/27/24 15:17	50-32-8	
Benzo(b)fluoranthene	**<2.5**	ug/kg	18.3	2.5	1	08/27/24 07:55	08/27/24 15:17	205-99-2	
Benzo(g,h,i)perylene	**<3.2**	ug/kg	18.3	3.2	1	08/27/24 07:55	08/27/24 15:17	191-24-2	
Benzo(k)fluoranthene	**<2.3**	ug/kg	18.3	2.3	1	08/27/24 07:55	08/27/24 15:17	207-08-9	
Chrysene	**<3.4**	ug/kg	18.3	3.4	1	08/27/24 07:55	08/27/24 15:17	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	18.3	2.5	1	08/27/24 07:55	08/27/24 15:17	53-70-3	
Fluoranthene	**<2.2**	ug/kg	18.3	2.2	1	08/27/24 07:55	08/27/24 15:17	206-44-0	
Fluorene	**<2.2**	ug/kg	18.3	2.2	1	08/27/24 07:55	08/27/24 15:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.8**	ug/kg	18.3	3.8	1	08/27/24 07:55	08/27/24 15:17	193-39-5	
1-Methylnaphthalene	**<2.7**	ug/kg	18.3	2.7	1	08/27/24 07:55	08/27/24 15:17	90-12-0	
2-Methylnaphthalene	**<2.7**	ug/kg	18.3	2.7	1	08/27/24 07:55	08/27/24 15:17	91-57-6	
Naphthalene	**<1.8**	ug/kg	18.3	1.8	1	08/27/24 07:55	08/27/24 15:17	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (48') **Lab ID: 40283117015** Collected: 08/21/24 12:20 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.1**	ug/kg	18.3	2.1	1	08/27/24 07:55	08/27/24 15:17	85-01-8	
Pyrene	**<2.7**	ug/kg	18.3	2.7	1	08/27/24 07:55	08/27/24 15:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	39-120		1	08/27/24 07:55	08/27/24 15:17	321-60-8	
Terphenyl-d14 (S)	81	%	36-120		1	08/27/24 07:55	08/27/24 15:17	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.1**	ug/kg	23.7	14.1	1	08/27/24 08:30	08/27/24 19:30	71-43-2	
Bromobenzene	**<23.1**	ug/kg	59.2	23.1	1	08/27/24 08:30	08/27/24 19:30	108-86-1	
Bromochloromethane	**<16.2**	ug/kg	59.2	16.2	1	08/27/24 08:30	08/27/24 19:30	74-97-5	
Bromodichloromethane	**<14.1**	ug/kg	59.2	14.1	1	08/27/24 08:30	08/27/24 19:30	75-27-4	
Bromoform	**<260**	ug/kg	296	260	1	08/27/24 08:30	08/27/24 19:30	75-25-2	
Bromomethane	**<83.0**	ug/kg	296	83.0	1	08/27/24 08:30	08/27/24 19:30	74-83-9	v1
n-Butylbenzene	**<27.1**	ug/kg	59.2	27.1	1	08/27/24 08:30	08/27/24 19:30	104-51-8	
sec-Butylbenzene	**<20.3**	ug/kg	59.2	20.3	1	08/27/24 08:30	08/27/24 19:30	135-98-8	
tert-Butylbenzene	**<18.6**	ug/kg	59.2	18.6	1	08/27/24 08:30	08/27/24 19:30	98-06-6	
Carbon tetrachloride	**<13.0**	ug/kg	59.2	13.0	1	08/27/24 08:30	08/27/24 19:30	56-23-5	
Chlorobenzene	**<7.1**	ug/kg	59.2	7.1	1	08/27/24 08:30	08/27/24 19:30	108-90-7	
Chloroethane	**<25.0**	ug/kg	296	25.0	1	08/27/24 08:30	08/27/24 19:30	75-00-3	v1
Chloroform	**<42.4**	ug/kg	296	42.4	1	08/27/24 08:30	08/27/24 19:30	67-66-3	
Chloromethane	**<22.5**	ug/kg	59.2	22.5	1	08/27/24 08:30	08/27/24 19:30	74-87-3	
2-Chlorotoluene	**<19.2**	ug/kg	59.2	19.2	1	08/27/24 08:30	08/27/24 19:30	95-49-8	
4-Chlorotoluene	**<22.5**	ug/kg	59.2	22.5	1	08/27/24 08:30	08/27/24 19:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<45.9**	ug/kg	296	45.9	1	08/27/24 08:30	08/27/24 19:30	96-12-8	
Dibromochloromethane	**<202**	ug/kg	296	202	1	08/27/24 08:30	08/27/24 19:30	124-48-1	
1,2-Dibromoethane (EDB)	**<16.2**	ug/kg	59.2	16.2	1	08/27/24 08:30	08/27/24 19:30	106-93-4	
Dibromomethane	**<17.5**	ug/kg	59.2	17.5	1	08/27/24 08:30	08/27/24 19:30	74-95-3	
1,2-Dichlorobenzene	**<18.3**	ug/kg	59.2	18.3	1	08/27/24 08:30	08/27/24 19:30	95-50-1	
1,3-Dichlorobenzene	**<16.2**	ug/kg	59.2	16.2	1	08/27/24 08:30	08/27/24 19:30	541-73-1	
1,4-Dichlorobenzene	**<16.2**	ug/kg	59.2	16.2	1	08/27/24 08:30	08/27/24 19:30	106-46-7	
Dichlorodifluoromethane	**<25.5**	ug/kg	59.2	25.5	1	08/27/24 08:30	08/27/24 19:30	75-71-8	
1,1-Dichloroethane	**<15.2**	ug/kg	59.2	15.2	1	08/27/24 08:30	08/27/24 19:30	75-34-3	
1,2-Dichloroethane	**<13.6**	ug/kg	59.2	13.6	1	08/27/24 08:30	08/27/24 19:30	107-06-2	
1,1-Dichloroethene	**<19.6**	ug/kg	59.2	19.6	1	08/27/24 08:30	08/27/24 19:30	75-35-4	
cis-1,2-Dichloroethene	**<12.7**	ug/kg	59.2	12.7	1	08/27/24 08:30	08/27/24 19:30	156-59-2	
trans-1,2-Dichloroethene	**<12.9**	ug/kg	59.2	12.9	1	08/27/24 08:30	08/27/24 19:30	156-60-5	
1,2-Dichloropropane	**<14.1**	ug/kg	59.2	14.1	1	08/27/24 08:30	08/27/24 19:30	78-87-5	
1,3-Dichloropropane	**<12.9**	ug/kg	59.2	12.9	1	08/27/24 08:30	08/27/24 19:30	142-28-9	
2,2-Dichloropropane	**<16.0**	ug/kg	59.2	16.0	1	08/27/24 08:30	08/27/24 19:30	594-20-7	
1,1-Dichloropropene	**<19.2**	ug/kg	59.2	19.2	1	08/27/24 08:30	08/27/24 19:30	563-58-6	
cis-1,3-Dichloropropene	**<39.1**	ug/kg	296	39.1	1	08/27/24 08:30	08/27/24 19:30	10061-01-5	
trans-1,3-Dichloropropene	**<169**	ug/kg	296	169	1	08/27/24 08:30	08/27/24 19:30	10061-02-6	
Diisopropyl ether	**<14.7**	ug/kg	59.2	14.7	1	08/27/24 08:30	08/27/24 19:30	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-3 (48') **Lab ID: 40283117015** Collected: 08/21/24 12:20 Received: 08/23/24 13:55 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								
Ethylbenzene	**<14.1**	ug/kg	59.2	14.1	1	08/27/24 08:30	08/27/24 19:30	100-41-4	
Hexachloro-1,3-butadiene	**<118**	ug/kg	296	118	1	08/27/24 08:30	08/27/24 19:30	87-68-3	
Isopropylbenzene (Cumene)	**<16.0**	ug/kg	59.2	16.0	1	08/27/24 08:30	08/27/24 19:30	98-82-8	
p-Isopropyltoluene	**<20.1**	ug/kg	59.2	20.1	1	08/27/24 08:30	08/27/24 19:30	99-87-6	
Methylene Chloride	**<16.5**	ug/kg	59.2	16.5	1	08/27/24 08:30	08/27/24 19:30	75-09-2	
Methyl-tert-butyl ether	**<17.4**	ug/kg	59.2	17.4	1	08/27/24 08:30	08/27/24 19:30	1634-04-4	
Naphthalene	**<24.9**	ug/kg	296	24.9	1	08/27/24 08:30	08/27/24 19:30	91-20-3	
n-Propylbenzene	**<14.2**	ug/kg	59.2	14.2	1	08/27/24 08:30	08/27/24 19:30	103-65-1	
Styrene	**<15.2**	ug/kg	59.2	15.2	1	08/27/24 08:30	08/27/24 19:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.2**	ug/kg	59.2	14.2	1	08/27/24 08:30	08/27/24 19:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<21.4**	ug/kg	59.2	21.4	1	08/27/24 08:30	08/27/24 19:30	79-34-5	
Tetrachloroethene	**<23.0**	ug/kg	59.2	23.0	1	08/27/24 08:30	08/27/24 19:30	127-18-4	
Toluene	**<14.9**	ug/kg	59.2	14.9	1	08/27/24 08:30	08/27/24 19:30	108-88-3	
Total Trimethylbenzenes	**<36.8**	ug/kg	118	36.8	1	08/27/24 08:30	08/27/24 19:30		
1,2,3-Trichlorobenzene	**<65.9**	ug/kg	296	65.9	1	08/27/24 08:30	08/27/24 19:30	87-61-6	
1,2,4-Trichlorobenzene	**<48.8**	ug/kg	296	48.8	1	08/27/24 08:30	08/27/24 19:30	120-82-1	
1,1,1-Trichloroethane	**<15.2**	ug/kg	59.2	15.2	1	08/27/24 08:30	08/27/24 19:30	71-55-6	
1,1,2-Trichloroethane	**<21.5**	ug/kg	59.2	21.5	1	08/27/24 08:30	08/27/24 19:30	79-00-5	
Trichloroethene	**<22.1**	ug/kg	59.2	22.1	1	08/27/24 08:30	08/27/24 19:30	79-01-6	
Trichlorofluoromethane	**<17.2**	ug/kg	59.2	17.2	1	08/27/24 08:30	08/27/24 19:30	75-69-4	
1,2,3-Trichloropropane	**<28.8**	ug/kg	59.2	28.8	1	08/27/24 08:30	08/27/24 19:30	96-18-4	
1,2,4-Trimethylbenzene	**<17.6**	ug/kg	59.2	17.6	1	08/27/24 08:30	08/27/24 19:30	95-63-6	
1,3,5-Trimethylbenzene	**<19.1**	ug/kg	59.2	19.1	1	08/27/24 08:30	08/27/24 19:30	108-67-8	
Vinyl chloride	**<12.0**	ug/kg	59.2	12.0	1	08/27/24 08:30	08/27/24 19:30	75-01-4	
Xylene (Total)	**<42.7**	ug/kg	178	42.7	1	08/27/24 08:30	08/27/24 19:30	1330-20-7	
m&p-Xylene	**<25.0**	ug/kg	118	25.0	1	08/27/24 08:30	08/27/24 19:30	179601-23-1	
o-Xylene	**<17.8**	ug/kg	59.2	17.8	1	08/27/24 08:30	08/27/24 19:30	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	119	%	67-144		1	08/27/24 08:30	08/27/24 19:30	2199-69-1	
4-Bromofluorobenzene (S)	121	%	72-142		1	08/27/24 08:30	08/27/24 19:30	460-00-4	
Toluene-d8 (S)	113	%	70-139		1	08/27/24 08:30	08/27/24 19:30	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**8.4**	%	0.10	0.10	1		08/27/24 16:41		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (0-4') **Lab ID: 40283117016** Collected: 08/21/24 13:40 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.7**	ug/kg	54.9	16.7	1	08/29/24 12:00	08/29/24 19:48	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.7**	ug/kg	54.9	16.7	1	08/29/24 12:00	08/29/24 19:48	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.7**	ug/kg	54.9	16.7	1	08/29/24 12:00	08/29/24 19:48	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.7**	ug/kg	54.9	16.7	1	08/29/24 12:00	08/29/24 19:48	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.7**	ug/kg	54.9	16.7	1	08/29/24 12:00	08/29/24 19:48	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.7**	ug/kg	54.9	16.7	1	08/29/24 12:00	08/29/24 19:48	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.7**	ug/kg	54.9	16.7	1	08/29/24 12:00	08/29/24 19:48	11096-82-5	
PCB, Total	**<16.7**	ug/kg	54.9	16.7	1	08/29/24 12:00	08/29/24 19:48	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	65-120		1	08/29/24 12:00	08/29/24 19:48	877-09-8	
Decachlorobiphenyl (S)	61	%	55-120		1	08/29/24 12:00	08/29/24 19:48	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**3.8**	mg/kg	2.5	1.5	1	08/27/24 06:00	08/27/24 20:15	7440-38-2	
Barium	**61.7**	mg/kg	0.50	0.15	1	08/27/24 06:00	08/27/24 20:15	7440-39-3	
Cadmium	**<0.13**	mg/kg	0.50	0.13	1	08/27/24 06:00	08/27/24 20:15	7440-43-9	
Chromium	**21.6**	mg/kg	0.99	0.28	1	08/27/24 06:00	08/27/24 20:15	7440-47-3	
Lead	**6.0**	mg/kg	2.0	0.59	1	08/27/24 06:00	08/27/24 20:15	7439-92-1	
Selenium	**<1.3**	mg/kg	4.0	1.3	1	08/27/24 06:00	08/27/24 20:15	7782-49-2	
Silver	**0.38J**	mg/kg	0.99	0.30	1	08/27/24 06:00	08/27/24 20:15	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.062**	mg/kg	0.034	0.0097	1	08/27/24 09:25	08/28/24 10:03	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.4**	ug/kg	18.3	2.4	1	08/27/24 07:55	08/27/24 16:03	83-32-9	
Acenaphthylene	**<2.3**	ug/kg	18.3	2.3	1	08/27/24 07:55	08/27/24 16:03	208-96-8	
Anthracene	**3.7J**	ug/kg	18.3	2.3	1	08/27/24 07:55	08/27/24 16:03	120-12-7	
Benzo(a)anthracene	**22.1**	ug/kg	18.3	2.4	1	08/27/24 07:55	08/27/24 16:03	56-55-3	
Benzo(a)pyrene	**29.8**	ug/kg	18.3	2.1	1	08/27/24 07:55	08/27/24 16:03	50-32-8	
Benzo(b)fluoranthene	**41.5**	ug/kg	18.3	2.5	1	08/27/24 07:55	08/27/24 16:03	205-99-2	
Benzo(g,h,i)perylene	**21.4**	ug/kg	18.3	3.2	1	08/27/24 07:55	08/27/24 16:03	191-24-2	
Benzo(k)fluoranthene	**16.5J**	ug/kg	18.3	2.3	1	08/27/24 07:55	08/27/24 16:03	207-08-9	
Chrysene	**29.2**	ug/kg	18.3	3.5	1	08/27/24 07:55	08/27/24 16:03	218-01-9	
Dibenz(a,h)anthracene	**5.5J**	ug/kg	18.3	2.5	1	08/27/24 07:55	08/27/24 16:03	53-70-3	
Fluoranthene	**58.0**	ug/kg	18.3	2.2	1	08/27/24 07:55	08/27/24 16:03	206-44-0	
Fluorene	**<2.2**	ug/kg	18.3	2.2	1	08/27/24 07:55	08/27/24 16:03	86-73-7	
Indeno(1,2,3-cd)pyrene	**17.8J**	ug/kg	18.3	3.8	1	08/27/24 07:55	08/27/24 16:03	193-39-5	
1-Methylnaphthalene	**<2.7**	ug/kg	18.3	2.7	1	08/27/24 07:55	08/27/24 16:03	90-12-0	
2-Methylnaphthalene	**<2.7**	ug/kg	18.3	2.7	1	08/27/24 07:55	08/27/24 16:03	91-57-6	
Naphthalene	**2.4J**	ug/kg	18.3	1.8	1	08/27/24 07:55	08/27/24 16:03	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (0-4') **Lab ID: 40283117016** Collected: 08/21/24 13:40 Received: 08/23/24 13:55 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	**19.7**	ug/kg	18.3	2.1	1	08/27/24 07:55	08/27/24 16:03	85-01-8	
Pyrene	**44.6**	ug/kg	18.3	2.7	1	08/27/24 07:55	08/27/24 16:03	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	39-120		1	08/27/24 07:55	08/27/24 16:03	321-60-8	
Terphenyl-d14 (S)	65	%	36-120		1	08/27/24 07:55	08/27/24 16:03	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.2**	ug/kg	23.8	14.2	1	08/27/24 08:30	08/27/24 19:49	71-43-2	
Bromobenzene	**<23.2**	ug/kg	59.6	23.2	1	08/27/24 08:30	08/27/24 19:49	108-86-1	
Bromochloromethane	**<16.3**	ug/kg	59.6	16.3	1	08/27/24 08:30	08/27/24 19:49	74-97-5	
Bromodichloromethane	**<14.2**	ug/kg	59.6	14.2	1	08/27/24 08:30	08/27/24 19:49	75-27-4	
Bromoform	**<262**	ug/kg	298	262	1	08/27/24 08:30	08/27/24 19:49	75-25-2	
Bromomethane	**<83.6**	ug/kg	298	83.6	1	08/27/24 08:30	08/27/24 19:49	74-83-9	v1
n-Butylbenzene	**<27.3**	ug/kg	59.6	27.3	1	08/27/24 08:30	08/27/24 19:49	104-51-8	
sec-Butylbenzene	**<20.5**	ug/kg	59.6	20.5	1	08/27/24 08:30	08/27/24 19:49	135-98-8	
tert-Butylbenzene	**<18.7**	ug/kg	59.6	18.7	1	08/27/24 08:30	08/27/24 19:49	98-06-6	
Carbon tetrachloride	**<13.1**	ug/kg	59.6	13.1	1	08/27/24 08:30	08/27/24 19:49	56-23-5	
Chlorobenzene	**<7.1**	ug/kg	59.6	7.1	1	08/27/24 08:30	08/27/24 19:49	108-90-7	
Chloroethane	**<25.2**	ug/kg	298	25.2	1	08/27/24 08:30	08/27/24 19:49	75-00-3	v1
Chloroform	**<42.7**	ug/kg	298	42.7	1	08/27/24 08:30	08/27/24 19:49	67-66-3	
Chloromethane	**<22.7**	ug/kg	59.6	22.7	1	08/27/24 08:30	08/27/24 19:49	74-87-3	
2-Chlorotoluene	**<19.3**	ug/kg	59.6	19.3	1	08/27/24 08:30	08/27/24 19:49	95-49-8	
4-Chlorotoluene	**<22.7**	ug/kg	59.6	22.7	1	08/27/24 08:30	08/27/24 19:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<46.3**	ug/kg	298	46.3	1	08/27/24 08:30	08/27/24 19:49	96-12-8	
Dibromochloromethane	**<204**	ug/kg	298	204	1	08/27/24 08:30	08/27/24 19:49	124-48-1	
1,2-Dibromoethane (EDB)	**<16.3**	ug/kg	59.6	16.3	1	08/27/24 08:30	08/27/24 19:49	106-93-4	
Dibromomethane	**<17.6**	ug/kg	59.6	17.6	1	08/27/24 08:30	08/27/24 19:49	74-95-3	
1,2-Dichlorobenzene	**<18.5**	ug/kg	59.6	18.5	1	08/27/24 08:30	08/27/24 19:49	95-50-1	
1,3-Dichlorobenzene	**<16.3**	ug/kg	59.6	16.3	1	08/27/24 08:30	08/27/24 19:49	541-73-1	
1,4-Dichlorobenzene	**<16.3**	ug/kg	59.6	16.3	1	08/27/24 08:30	08/27/24 19:49	106-46-7	
Dichlorodifluoromethane	**<25.6**	ug/kg	59.6	25.6	1	08/27/24 08:30	08/27/24 19:49	75-71-8	
1,1-Dichloroethane	**<15.3**	ug/kg	59.6	15.3	1	08/27/24 08:30	08/27/24 19:49	75-34-3	
1,2-Dichloroethane	**<13.7**	ug/kg	59.6	13.7	1	08/27/24 08:30	08/27/24 19:49	107-06-2	
1,1-Dichloroethene	**<19.8**	ug/kg	59.6	19.8	1	08/27/24 08:30	08/27/24 19:49	75-35-4	
cis-1,2-Dichloroethene	**<12.8**	ug/kg	59.6	12.8	1	08/27/24 08:30	08/27/24 19:49	156-59-2	
trans-1,2-Dichloroethene	**<13.0**	ug/kg	59.6	13.0	1	08/27/24 08:30	08/27/24 19:49	156-60-5	
1,2-Dichloropropane	**<14.2**	ug/kg	59.6	14.2	1	08/27/24 08:30	08/27/24 19:49	78-87-5	
1,3-Dichloropropane	**<13.0**	ug/kg	59.6	13.0	1	08/27/24 08:30	08/27/24 19:49	142-28-9	
2,2-Dichloropropane	**<16.1**	ug/kg	59.6	16.1	1	08/27/24 08:30	08/27/24 19:49	594-20-7	
1,1-Dichloropropene	**<19.3**	ug/kg	59.6	19.3	1	08/27/24 08:30	08/27/24 19:49	563-58-6	
cis-1,3-Dichloropropene	**<39.3**	ug/kg	298	39.3	1	08/27/24 08:30	08/27/24 19:49	10061-01-5	
trans-1,3-Dichloropropene	**<170**	ug/kg	298	170	1	08/27/24 08:30	08/27/24 19:49	10061-02-6	
Diisopropyl ether	**<14.8**	ug/kg	59.6	14.8	1	08/27/24 08:30	08/27/24 19:49	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (0-4') **Lab ID: 40283117016** Collected: 08/21/24 13:40 Received: 08/23/24 13:55 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								
Ethylbenzene	**<14.2**	ug/kg	59.6	14.2	1	08/27/24 08:30	08/27/24 19:49	100-41-4	
Hexachloro-1,3-butadiene	**<119**	ug/kg	298	119	1	08/27/24 08:30	08/27/24 19:49	87-68-3	
Isopropylbenzene (Cumene)	**<16.1**	ug/kg	59.6	16.1	1	08/27/24 08:30	08/27/24 19:49	98-82-8	
p-Isopropyltoluene	**<20.3**	ug/kg	59.6	20.3	1	08/27/24 08:30	08/27/24 19:49	99-87-6	
Methylene Chloride	**<16.6**	ug/kg	59.6	16.6	1	08/27/24 08:30	08/27/24 19:49	75-09-2	
Methyl-tert-butyl ether	**<17.5**	ug/kg	59.6	17.5	1	08/27/24 08:30	08/27/24 19:49	1634-04-4	
Naphthalene	**<25.1**	ug/kg	298	25.1	1	08/27/24 08:30	08/27/24 19:49	91-20-3	
n-Propylbenzene	**<14.3**	ug/kg	59.6	14.3	1	08/27/24 08:30	08/27/24 19:49	103-65-1	
Styrene	**<15.3**	ug/kg	59.6	15.3	1	08/27/24 08:30	08/27/24 19:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.3**	ug/kg	59.6	14.3	1	08/27/24 08:30	08/27/24 19:49	630-20-6	
1,1,2,2-Tetrachloroethane	**<21.6**	ug/kg	59.6	21.6	1	08/27/24 08:30	08/27/24 19:49	79-34-5	
Tetrachloroethene	**<23.1**	ug/kg	59.6	23.1	1	08/27/24 08:30	08/27/24 19:49	127-18-4	
Toluene	**<15.0**	ug/kg	59.6	15.0	1	08/27/24 08:30	08/27/24 19:49	108-88-3	
Total Trimethylbenzenes	**<37.1**	ug/kg	119	37.1	1	08/27/24 08:30	08/27/24 19:49		
1,2,3-Trichlorobenzene	**<66.4**	ug/kg	298	66.4	1	08/27/24 08:30	08/27/24 19:49	87-61-6	
1,2,4-Trichlorobenzene	**<49.1**	ug/kg	298	49.1	1	08/27/24 08:30	08/27/24 19:49	120-82-1	
1,1,1-Trichloroethane	**<15.3**	ug/kg	59.6	15.3	1	08/27/24 08:30	08/27/24 19:49	71-55-6	
1,1,2-Trichloroethane	**<21.7**	ug/kg	59.6	21.7	1	08/27/24 08:30	08/27/24 19:49	79-00-5	
Trichloroethene	**<22.3**	ug/kg	59.6	22.3	1	08/27/24 08:30	08/27/24 19:49	79-01-6	
Trichlorofluoromethane	**<17.3**	ug/kg	59.6	17.3	1	08/27/24 08:30	08/27/24 19:49	75-69-4	
1,2,3-Trichloropropane	**<29.0**	ug/kg	59.6	29.0	1	08/27/24 08:30	08/27/24 19:49	96-18-4	
1,2,4-Trimethylbenzene	**<17.8**	ug/kg	59.6	17.8	1	08/27/24 08:30	08/27/24 19:49	95-63-6	
1,3,5-Trimethylbenzene	**<19.2**	ug/kg	59.6	19.2	1	08/27/24 08:30	08/27/24 19:49	108-67-8	
Vinyl chloride	**<12.0**	ug/kg	59.6	12.0	1	08/27/24 08:30	08/27/24 19:49	75-01-4	
Xylene (Total)	**<43.0**	ug/kg	179	43.0	1	08/27/24 08:30	08/27/24 19:49	1330-20-7	
m&p-Xylene	**<25.2**	ug/kg	119	25.2	1	08/27/24 08:30	08/27/24 19:49	179601-23-1	
o-Xylene	**<17.9**	ug/kg	59.6	17.9	1	08/27/24 08:30	08/27/24 19:49	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	125	%	67-144		1	08/27/24 08:30	08/27/24 19:49	2199-69-1	
4-Bromofluorobenzene (S)	129	%	72-142		1	08/27/24 08:30	08/27/24 19:49	460-00-4	
Toluene-d8 (S)	118	%	70-139		1	08/27/24 08:30	08/27/24 19:49	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**8.8**	%	0.10	0.10	1		08/27/24 16:41		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (30') **Lab ID: 40283117017** Collected: 08/21/24 14:05 Received: 08/23/24 13:55 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)	**<15.8**	ug/kg	51.8	15.8	1	08/29/24 12:00	08/29/24 20:09	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.8**	ug/kg	51.8	15.8	1	08/29/24 12:00	08/29/24 20:09	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.8**	ug/kg	51.8	15.8	1	08/29/24 12:00	08/29/24 20:09	11141-16-5	
PCB-1242 (Aroclor 1242)	**<15.8**	ug/kg	51.8	15.8	1	08/29/24 12:00	08/29/24 20:09	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.8**	ug/kg	51.8	15.8	1	08/29/24 12:00	08/29/24 20:09	12672-29-6	
PCB-1254 (Aroclor 1254)	**<15.8**	ug/kg	51.8	15.8	1	08/29/24 12:00	08/29/24 20:09	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.8**	ug/kg	51.8	15.8	1	08/29/24 12:00	08/29/24 20:09	11096-82-5	
PCB, Total	**<15.8**	ug/kg	51.8	15.8	1	08/29/24 12:00	08/29/24 20:09	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	85	%	65-120		1	08/29/24 12:00	08/29/24 20:09	877-09-8	
Decachlorobiphenyl (S)	74	%	55-120		1	08/29/24 12:00	08/29/24 20:09	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.5**	mg/kg	2.5	1.5	1	08/27/24 06:00	08/27/24 20:17	7440-38-2	
Barium	**9.0**	mg/kg	0.50	0.15	1	08/27/24 06:00	08/27/24 20:17	7440-39-3	
Cadmium	**<0.13**	mg/kg	0.50	0.13	1	08/27/24 06:00	08/27/24 20:17	7440-43-9	
Chromium	**4.2**	mg/kg	1.0	0.28	1	08/27/24 06:00	08/27/24 20:17	7440-47-3	
Lead	**0.71J**	mg/kg	2.0	0.60	1	08/27/24 06:00	08/27/24 20:17	7439-92-1	
Selenium	**<1.3**	mg/kg	4.0	1.3	1	08/27/24 06:00	08/27/24 20:17	7782-49-2	
Silver	**<0.31**	mg/kg	1.0	0.31	1	08/27/24 06:00	08/27/24 20:17	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.0096**	mg/kg	0.034	0.0096	1	08/27/24 09:25	08/28/24 10:06	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	17.3	2.2	1	08/27/24 07:55	08/27/24 15:32	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.3	2.2	1	08/27/24 07:55	08/27/24 15:32	208-96-8	
Anthracene	**<2.1**	ug/kg	17.3	2.1	1	08/27/24 07:55	08/27/24 15:32	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	17.3	2.2	1	08/27/24 07:55	08/27/24 15:32	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.3	2.0	1	08/27/24 07:55	08/27/24 15:32	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.3	2.4	1	08/27/24 07:55	08/27/24 15:32	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.3	3.0	1	08/27/24 07:55	08/27/24 15:32	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.3	2.2	1	08/27/24 07:55	08/27/24 15:32	207-08-9	
Chrysene	**<3.3**	ug/kg	17.3	3.3	1	08/27/24 07:55	08/27/24 15:32	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.3	2.4	1	08/27/24 07:55	08/27/24 15:32	53-70-3	
Fluoranthene	**<2.0**	ug/kg	17.3	2.0	1	08/27/24 07:55	08/27/24 15:32	206-44-0	
Fluorene	**<2.1**	ug/kg	17.3	2.1	1	08/27/24 07:55	08/27/24 15:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.3	3.6	1	08/27/24 07:55	08/27/24 15:32	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.3	2.5	1	08/27/24 07:55	08/27/24 15:32	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.3	2.5	1	08/27/24 07:55	08/27/24 15:32	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.3	1.7	1	08/27/24 07:55	08/27/24 15:32	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (30') **Lab ID: 40283117017** Collected: 08/21/24 14:05 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.0**	ug/kg	17.3	2.0	1	08/27/24 07:55	08/27/24 15:32	85-01-8	
Pyrene	**<2.5**	ug/kg	17.3	2.5	1	08/27/24 07:55	08/27/24 15:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	39-120		1	08/27/24 07:55	08/27/24 15:32	321-60-8	
Terphenyl-d14 (S)	89	%	36-120		1	08/27/24 07:55	08/27/24 15:32	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.7**	ug/kg	21.4	12.7	1	08/27/24 08:45	08/28/24 01:01	71-43-2	
Bromobenzene	**<20.8**	ug/kg	53.4	20.8	1	08/27/24 08:45	08/28/24 01:01	108-86-1	
Bromochloromethane	**<14.6**	ug/kg	53.4	14.6	1	08/27/24 08:45	08/28/24 01:01	74-97-5	
Bromodichloromethane	**<12.7**	ug/kg	53.4	12.7	1	08/27/24 08:45	08/28/24 01:01	75-27-4	
Bromoform	**<235**	ug/kg	267	235	1	08/27/24 08:45	08/28/24 01:01	75-25-2	
Bromomethane	**<74.9**	ug/kg	267	74.9	1	08/27/24 08:45	08/28/24 01:01	74-83-9	v1
n-Butylbenzene	**<24.5**	ug/kg	53.4	24.5	1	08/27/24 08:45	08/28/24 01:01	104-51-8	
sec-Butylbenzene	**<18.3**	ug/kg	53.4	18.3	1	08/27/24 08:45	08/28/24 01:01	135-98-8	
tert-Butylbenzene	**<16.8**	ug/kg	53.4	16.8	1	08/27/24 08:45	08/28/24 01:01	98-06-6	
Carbon tetrachloride	**<11.8**	ug/kg	53.4	11.8	1	08/27/24 08:45	08/28/24 01:01	56-23-5	
Chlorobenzene	**<6.4**	ug/kg	53.4	6.4	1	08/27/24 08:45	08/28/24 01:01	108-90-7	
Chloroethane	**<22.5**	ug/kg	267	22.5	1	08/27/24 08:45	08/28/24 01:01	75-00-3	v1
Chloroform	**<38.3**	ug/kg	267	38.3	1	08/27/24 08:45	08/28/24 01:01	67-66-3	
Chloromethane	**<20.3**	ug/kg	53.4	20.3	1	08/27/24 08:45	08/28/24 01:01	74-87-3	
2-Chlorotoluene	**<17.3**	ug/kg	53.4	17.3	1	08/27/24 08:45	08/28/24 01:01	95-49-8	
4-Chlorotoluene	**<20.3**	ug/kg	53.4	20.3	1	08/27/24 08:45	08/28/24 01:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<41.5**	ug/kg	267	41.5	1	08/27/24 08:45	08/28/24 01:01	96-12-8	
Dibromochloromethane	**<183**	ug/kg	267	183	1	08/27/24 08:45	08/28/24 01:01	124-48-1	
1,2-Dibromoethane (EDB)	**<14.6**	ug/kg	53.4	14.6	1	08/27/24 08:45	08/28/24 01:01	106-93-4	
Dibromomethane	**<15.8**	ug/kg	53.4	15.8	1	08/27/24 08:45	08/28/24 01:01	74-95-3	
1,2-Dichlorobenzene	**<16.6**	ug/kg	53.4	16.6	1	08/27/24 08:45	08/28/24 01:01	95-50-1	
1,3-Dichlorobenzene	**<14.6**	ug/kg	53.4	14.6	1	08/27/24 08:45	08/28/24 01:01	541-73-1	
1,4-Dichlorobenzene	**<14.6**	ug/kg	53.4	14.6	1	08/27/24 08:45	08/28/24 01:01	106-46-7	
Dichlorodifluoromethane	**<23.0**	ug/kg	53.4	23.0	1	08/27/24 08:45	08/28/24 01:01	75-71-8	
1,1-Dichloroethane	**<13.7**	ug/kg	53.4	13.7	1	08/27/24 08:45	08/28/24 01:01	75-34-3	
1,2-Dichloroethane	**<12.3**	ug/kg	53.4	12.3	1	08/27/24 08:45	08/28/24 01:01	107-06-2	
1,1-Dichloroethene	**<17.7**	ug/kg	53.4	17.7	1	08/27/24 08:45	08/28/24 01:01	75-35-4	
cis-1,2-Dichloroethene	**<11.4**	ug/kg	53.4	11.4	1	08/27/24 08:45	08/28/24 01:01	156-59-2	
trans-1,2-Dichloroethene	**<11.7**	ug/kg	53.4	11.7	1	08/27/24 08:45	08/28/24 01:01	156-60-5	
1,2-Dichloropropane	**<12.7**	ug/kg	53.4	12.7	1	08/27/24 08:45	08/28/24 01:01	78-87-5	
1,3-Dichloropropane	**<11.6**	ug/kg	53.4	11.6	1	08/27/24 08:45	08/28/24 01:01	142-28-9	
2,2-Dichloropropane	**<14.4**	ug/kg	53.4	14.4	1	08/27/24 08:45	08/28/24 01:01	594-20-7	
1,1-Dichloropropene	**<17.3**	ug/kg	53.4	17.3	1	08/27/24 08:45	08/28/24 01:01	563-58-6	
cis-1,3-Dichloropropene	**<35.3**	ug/kg	267	35.3	1	08/27/24 08:45	08/28/24 01:01	10061-01-5	
trans-1,3-Dichloropropene	**<153**	ug/kg	267	153	1	08/27/24 08:45	08/28/24 01:01	10061-02-6	
Diisopropyl ether	**<13.3**	ug/kg	53.4	13.3	1	08/27/24 08:45	08/28/24 01:01	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (30') **Lab ID: 40283117017** Collected: 08/21/24 14:05 Received: 08/23/24 13:55 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								
Ethylbenzene	**<12.7**	ug/kg	53.4	12.7	1	08/27/24 08:45	08/28/24 01:01	100-41-4	
Hexachloro-1,3-butadiene	**<106**	ug/kg	267	106	1	08/27/24 08:45	08/28/24 01:01	87-68-3	
Isopropylbenzene (Cumene)	**<14.4**	ug/kg	53.4	14.4	1	08/27/24 08:45	08/28/24 01:01	98-82-8	
p-Isopropyltoluene	**<18.2**	ug/kg	53.4	18.2	1	08/27/24 08:45	08/28/24 01:01	99-87-6	
Methylene Chloride	**<14.9**	ug/kg	53.4	14.9	1	08/27/24 08:45	08/28/24 01:01	75-09-2	
Methyl-tert-butyl ether	**<15.7**	ug/kg	53.4	15.7	1	08/27/24 08:45	08/28/24 01:01	1634-04-4	
Naphthalene	**<22.5**	ug/kg	267	22.5	1	08/27/24 08:45	08/28/24 01:01	91-20-3	
n-Propylbenzene	**<12.8**	ug/kg	53.4	12.8	1	08/27/24 08:45	08/28/24 01:01	103-65-1	
Styrene	**<13.7**	ug/kg	53.4	13.7	1	08/27/24 08:45	08/28/24 01:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.8**	ug/kg	53.4	12.8	1	08/27/24 08:45	08/28/24 01:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.3**	ug/kg	53.4	19.3	1	08/27/24 08:45	08/28/24 01:01	79-34-5	
Tetrachloroethene	**<20.7**	ug/kg	53.4	20.7	1	08/27/24 08:45	08/28/24 01:01	127-18-4	
Toluene	**<13.5**	ug/kg	53.4	13.5	1	08/27/24 08:45	08/28/24 01:01	108-88-3	
Total Trimethylbenzenes	**<33.2**	ug/kg	107	33.2	1	08/27/24 08:45	08/28/24 01:01		
1,2,3-Trichlorobenzene	**<59.5**	ug/kg	267	59.5	1	08/27/24 08:45	08/28/24 01:01	87-61-6	
1,2,4-Trichlorobenzene	**<44.0**	ug/kg	267	44.0	1	08/27/24 08:45	08/28/24 01:01	120-82-1	
1,1,1-Trichloroethane	**<13.7**	ug/kg	53.4	13.7	1	08/27/24 08:45	08/28/24 01:01	71-55-6	
1,1,2-Trichloroethane	**<19.5**	ug/kg	53.4	19.5	1	08/27/24 08:45	08/28/24 01:01	79-00-5	
Trichloroethene	**<20.0**	ug/kg	53.4	20.0	1	08/27/24 08:45	08/28/24 01:01	79-01-6	
Trichlorofluoromethane	**<15.5**	ug/kg	53.4	15.5	1	08/27/24 08:45	08/28/24 01:01	75-69-4	
1,2,3-Trichloropropane	**<26.0**	ug/kg	53.4	26.0	1	08/27/24 08:45	08/28/24 01:01	96-18-4	
1,2,4-Trimethylbenzene	**<15.9**	ug/kg	53.4	15.9	1	08/27/24 08:45	08/28/24 01:01	95-63-6	
1,3,5-Trimethylbenzene	**<17.2**	ug/kg	53.4	17.2	1	08/27/24 08:45	08/28/24 01:01	108-67-8	
Vinyl chloride	**<10.8**	ug/kg	53.4	10.8	1	08/27/24 08:45	08/28/24 01:01	75-01-4	
Xylene (Total)	**<38.6**	ug/kg	160	38.6	1	08/27/24 08:45	08/28/24 01:01	1330-20-7	
m&p-Xylene	**<22.5**	ug/kg	107	22.5	1	08/27/24 08:45	08/28/24 01:01	179601-23-1	
o-Xylene	**<16.0**	ug/kg	53.4	16.0	1	08/27/24 08:45	08/28/24 01:01	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	112	%	67-144		1	08/27/24 08:45	08/28/24 01:01	2199-69-1	
4-Bromofluorobenzene (S)	114	%	72-142		1	08/27/24 08:45	08/28/24 01:01	460-00-4	
Toluene-d8 (S)	110	%	70-139		1	08/27/24 08:45	08/28/24 01:01	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**3.3**	%	0.10	0.10	1		08/27/24 16:42		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (48') **Lab ID: 40283117018** Collected: 08/21/24 13:30 Received: 08/23/24 13:55 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)	**<17.7**	ug/kg	58.2	17.7	1	08/29/24 12:00	08/29/24 20:31	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.7**	ug/kg	58.2	17.7	1	08/29/24 12:00	08/29/24 20:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.7**	ug/kg	58.2	17.7	1	08/29/24 12:00	08/29/24 20:31	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.7**	ug/kg	58.2	17.7	1	08/29/24 12:00	08/29/24 20:31	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.7**	ug/kg	58.2	17.7	1	08/29/24 12:00	08/29/24 20:31	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.7**	ug/kg	58.2	17.7	1	08/29/24 12:00	08/29/24 20:31	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.7**	ug/kg	58.2	17.7	1	08/29/24 12:00	08/29/24 20:31	11096-82-5	
PCB, Total	**<17.7**	ug/kg	58.2	17.7	1	08/29/24 12:00	08/29/24 20:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	65-120		1	08/29/24 12:00	08/29/24 20:31	877-09-8	
Decachlorobiphenyl (S)	71	%	55-120		1	08/29/24 12:00	08/29/24 20:31	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.6**	mg/kg	2.8	1.6	1	08/27/24 06:00	08/27/24 20:19	7440-38-2	
Barium	**14.9**	mg/kg	0.56	0.17	1	08/27/24 06:00	08/27/24 20:19	7440-39-3	
Cadmium	**<0.15**	mg/kg	0.56	0.15	1	08/27/24 06:00	08/27/24 20:19	7440-43-9	
Chromium	**8.8**	mg/kg	1.1	0.31	1	08/27/24 06:00	08/27/24 20:19	7440-47-3	
Lead	**1.4J**	mg/kg	2.2	0.67	1	08/27/24 06:00	08/27/24 20:19	7439-92-1	
Selenium	**<1.5**	mg/kg	4.5	1.5	1	08/27/24 06:00	08/27/24 20:19	7782-49-2	
Silver	**<0.34**	mg/kg	1.1	0.34	1	08/27/24 06:00	08/27/24 20:19	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.011J**	mg/kg	0.037	0.011	1	08/27/24 09:25	08/28/24 10:08	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.5**	ug/kg	19.3	2.5	1	08/27/24 07:55	08/27/24 15:47	83-32-9	
Acenaphthylene	**<2.4**	ug/kg	19.3	2.4	1	08/27/24 07:55	08/27/24 15:47	208-96-8	
Anthracene	**<2.4**	ug/kg	19.3	2.4	1	08/27/24 07:55	08/27/24 15:47	120-12-7	
Benzo(a)anthracene	**<2.5**	ug/kg	19.3	2.5	1	08/27/24 07:55	08/27/24 15:47	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.3	2.2	1	08/27/24 07:55	08/27/24 15:47	50-32-8	
Benzo(b)fluoranthene	**<2.7**	ug/kg	19.3	2.7	1	08/27/24 07:55	08/27/24 15:47	205-99-2	
Benzo(g,h,i)perylene	**<3.4**	ug/kg	19.3	3.4	1	08/27/24 07:55	08/27/24 15:47	191-24-2	
Benzo(k)fluoranthene	**<2.5**	ug/kg	19.3	2.5	1	08/27/24 07:55	08/27/24 15:47	207-08-9	
Chrysene	**<3.6**	ug/kg	19.3	3.6	1	08/27/24 07:55	08/27/24 15:47	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.3	2.7	1	08/27/24 07:55	08/27/24 15:47	53-70-3	
Fluoranthene	**<2.3**	ug/kg	19.3	2.3	1	08/27/24 07:55	08/27/24 15:47	206-44-0	
Fluorene	**<2.3**	ug/kg	19.3	2.3	1	08/27/24 07:55	08/27/24 15:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.0**	ug/kg	19.3	4.0	1	08/27/24 07:55	08/27/24 15:47	193-39-5	
1-Methylnaphthalene	**36.5**	ug/kg	19.3	2.8	1	08/27/24 07:55	08/27/24 15:47	90-12-0	
2-Methylnaphthalene	**23.3**	ug/kg	19.3	2.8	1	08/27/24 07:55	08/27/24 15:47	91-57-6	
Naphthalene	**30.0**	ug/kg	19.3	1.9	1	08/27/24 07:55	08/27/24 15:47	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (48') **Lab ID: 40283117018** Collected: 08/21/24 13:30 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.2**	ug/kg	19.3	2.2	1	08/27/24 07:55	08/27/24 15:47	85-01-8	
Pyrene	**<2.8**	ug/kg	19.3	2.8	1	08/27/24 07:55	08/27/24 15:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	39-120		1	08/27/24 07:55	08/27/24 15:47	321-60-8	
Terphenyl-d14 (S)	86	%	36-120		1	08/27/24 07:55	08/27/24 15:47	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.7**	ug/kg	26.4	15.7	1	08/27/24 08:45	08/28/24 01:21	71-43-2	
Bromobenzene	**<25.7**	ug/kg	65.9	25.7	1	08/27/24 08:45	08/28/24 01:21	108-86-1	
Bromochloromethane	**<18.1**	ug/kg	65.9	18.1	1	08/27/24 08:45	08/28/24 01:21	74-97-5	
Bromodichloromethane	**<15.7**	ug/kg	65.9	15.7	1	08/27/24 08:45	08/28/24 01:21	75-27-4	
Bromoform	**<290**	ug/kg	330	290	1	08/27/24 08:45	08/28/24 01:21	75-25-2	
Bromomethane	**<92.4**	ug/kg	330	92.4	1	08/27/24 08:45	08/28/24 01:21	74-83-9	v1
n-Butylbenzene	**<30.2**	ug/kg	65.9	30.2	1	08/27/24 08:45	08/28/24 01:21	104-51-8	
sec-Butylbenzene	**<22.6**	ug/kg	65.9	22.6	1	08/27/24 08:45	08/28/24 01:21	135-98-8	
tert-Butylbenzene	**<20.7**	ug/kg	65.9	20.7	1	08/27/24 08:45	08/28/24 01:21	98-06-6	
Carbon tetrachloride	**<14.5**	ug/kg	65.9	14.5	1	08/27/24 08:45	08/28/24 01:21	56-23-5	
Chlorobenzene	**<7.9**	ug/kg	65.9	7.9	1	08/27/24 08:45	08/28/24 01:21	108-90-7	
Chloroethane	**<27.8**	ug/kg	330	27.8	1	08/27/24 08:45	08/28/24 01:21	75-00-3	v1
Chloroform	**<47.2**	ug/kg	330	47.2	1	08/27/24 08:45	08/28/24 01:21	67-66-3	
Chloromethane	**<25.1**	ug/kg	65.9	25.1	1	08/27/24 08:45	08/28/24 01:21	74-87-3	
2-Chlorotoluene	**<21.4**	ug/kg	65.9	21.4	1	08/27/24 08:45	08/28/24 01:21	95-49-8	
4-Chlorotoluene	**<25.1**	ug/kg	65.9	25.1	1	08/27/24 08:45	08/28/24 01:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.2**	ug/kg	330	51.2	1	08/27/24 08:45	08/28/24 01:21	96-12-8	
Dibromochloromethane	**<225**	ug/kg	330	225	1	08/27/24 08:45	08/28/24 01:21	124-48-1	
1,2-Dibromoethane (EDB)	**<18.1**	ug/kg	65.9	18.1	1	08/27/24 08:45	08/28/24 01:21	106-93-4	
Dibromomethane	**<19.5**	ug/kg	65.9	19.5	1	08/27/24 08:45	08/28/24 01:21	74-95-3	
1,2-Dichlorobenzene	**<20.4**	ug/kg	65.9	20.4	1	08/27/24 08:45	08/28/24 01:21	95-50-1	
1,3-Dichlorobenzene	**<18.1**	ug/kg	65.9	18.1	1	08/27/24 08:45	08/28/24 01:21	541-73-1	
1,4-Dichlorobenzene	**<18.1**	ug/kg	65.9	18.1	1	08/27/24 08:45	08/28/24 01:21	106-46-7	
Dichlorodifluoromethane	**<28.3**	ug/kg	65.9	28.3	1	08/27/24 08:45	08/28/24 01:21	75-71-8	
1,1-Dichloroethane	**<16.9**	ug/kg	65.9	16.9	1	08/27/24 08:45	08/28/24 01:21	75-34-3	
1,2-Dichloroethane	**<15.2**	ug/kg	65.9	15.2	1	08/27/24 08:45	08/28/24 01:21	107-06-2	
1,1-Dichloroethene	**<21.9**	ug/kg	65.9	21.9	1	08/27/24 08:45	08/28/24 01:21	75-35-4	
cis-1,2-Dichloroethene	**<14.1**	ug/kg	65.9	14.1	1	08/27/24 08:45	08/28/24 01:21	156-59-2	
trans-1,2-Dichloroethene	**<14.4**	ug/kg	65.9	14.4	1	08/27/24 08:45	08/28/24 01:21	156-60-5	
1,2-Dichloropropane	**<15.7**	ug/kg	65.9	15.7	1	08/27/24 08:45	08/28/24 01:21	78-87-5	
1,3-Dichloropropane	**<14.4**	ug/kg	65.9	14.4	1	08/27/24 08:45	08/28/24 01:21	142-28-9	
2,2-Dichloropropane	**<17.8**	ug/kg	65.9	17.8	1	08/27/24 08:45	08/28/24 01:21	594-20-7	
1,1-Dichloropropene	**<21.4**	ug/kg	65.9	21.4	1	08/27/24 08:45	08/28/24 01:21	563-58-6	
cis-1,3-Dichloropropene	**<43.5**	ug/kg	330	43.5	1	08/27/24 08:45	08/28/24 01:21	10061-01-5	
trans-1,3-Dichloropropene	**<189**	ug/kg	330	189	1	08/27/24 08:45	08/28/24 01:21	10061-02-6	
Diisopropyl ether	**<16.3**	ug/kg	65.9	16.3	1	08/27/24 08:45	08/28/24 01:21	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-4 (48') **Lab ID: 40283117018** Collected: 08/21/24 13:30 Received: 08/23/24 13:55 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								
Ethylbenzene	**<15.7**	ug/kg	65.9	15.7	1	08/27/24 08:45	08/28/24 01:21	100-41-4	
Hexachloro-1,3-butadiene	**<131**	ug/kg	330	131	1	08/27/24 08:45	08/28/24 01:21	87-68-3	
Isopropylbenzene (Cumene)	**<17.8**	ug/kg	65.9	17.8	1	08/27/24 08:45	08/28/24 01:21	98-82-8	
p-Isopropyltoluene	**<22.4**	ug/kg	65.9	22.4	1	08/27/24 08:45	08/28/24 01:21	99-87-6	
Methylene Chloride	**<18.3**	ug/kg	65.9	18.3	1	08/27/24 08:45	08/28/24 01:21	75-09-2	
Methyl-tert-butyl ether	**<19.4**	ug/kg	65.9	19.4	1	08/27/24 08:45	08/28/24 01:21	1634-04-4	
Naphthalene	**<27.7**	ug/kg	330	27.7	1	08/27/24 08:45	08/28/24 01:21	91-20-3	
n-Propylbenzene	**<15.8**	ug/kg	65.9	15.8	1	08/27/24 08:45	08/28/24 01:21	103-65-1	
Styrene	**<16.9**	ug/kg	65.9	16.9	1	08/27/24 08:45	08/28/24 01:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.8**	ug/kg	65.9	15.8	1	08/27/24 08:45	08/28/24 01:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.9**	ug/kg	65.9	23.9	1	08/27/24 08:45	08/28/24 01:21	79-34-5	
Tetrachloroethene	**<25.6**	ug/kg	65.9	25.6	1	08/27/24 08:45	08/28/24 01:21	127-18-4	
Toluene	**<16.6**	ug/kg	65.9	16.6	1	08/27/24 08:45	08/28/24 01:21	108-88-3	
Total Trimethylbenzenes	**<41.0**	ug/kg	132	41.0	1	08/27/24 08:45	08/28/24 01:21		
1,2,3-Trichlorobenzene	**<73.4**	ug/kg	330	73.4	1	08/27/24 08:45	08/28/24 01:21	87-61-6	
1,2,4-Trichlorobenzene	**<54.3**	ug/kg	330	54.3	1	08/27/24 08:45	08/28/24 01:21	120-82-1	
1,1,1-Trichloroethane	**<16.9**	ug/kg	65.9	16.9	1	08/27/24 08:45	08/28/24 01:21	71-55-6	
1,1,2-Trichloroethane	**<24.0**	ug/kg	65.9	24.0	1	08/27/24 08:45	08/28/24 01:21	79-00-5	
Trichloroethene	**<24.7**	ug/kg	65.9	24.7	1	08/27/24 08:45	08/28/24 01:21	79-01-6	
Trichlorofluoromethane	**<19.1**	ug/kg	65.9	19.1	1	08/27/24 08:45	08/28/24 01:21	75-69-4	
1,2,3-Trichloropropane	**<32.0**	ug/kg	65.9	32.0	1	08/27/24 08:45	08/28/24 01:21	96-18-4	
1,2,4-Trimethylbenzene	**<19.6**	ug/kg	65.9	19.6	1	08/27/24 08:45	08/28/24 01:21	95-63-6	
1,3,5-Trimethylbenzene	**<21.2**	ug/kg	65.9	21.2	1	08/27/24 08:45	08/28/24 01:21	108-67-8	
Vinyl chloride	**<13.3**	ug/kg	65.9	13.3	1	08/27/24 08:45	08/28/24 01:21	75-01-4	
Xylene (Total)	**<47.6**	ug/kg	198	47.6	1	08/27/24 08:45	08/28/24 01:21	1330-20-7	
m&p-Xylene	**<27.8**	ug/kg	132	27.8	1	08/27/24 08:45	08/28/24 01:21	179601-23-1	
o-Xylene	**<19.8**	ug/kg	65.9	19.8	1	08/27/24 08:45	08/28/24 01:21	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	117	%	67-144		1	08/27/24 08:45	08/28/24 01:21	2199-69-1	
4-Bromofluorobenzene (S)	120	%	72-142		1	08/27/24 08:45	08/28/24 01:21	460-00-4	
Toluene-d8 (S)	116	%	70-139		1	08/27/24 08:45	08/28/24 01:21	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.7**	%	0.10	0.10	1		08/27/24 16:42		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (0-4') **Lab ID: 40283117019** Collected: 08/21/24 14:50 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.9**	ug/kg	55.4	16.9	1	08/29/24 12:00	08/29/24 20:52	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.9**	ug/kg	55.4	16.9	1	08/29/24 12:00	08/29/24 20:52	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.9**	ug/kg	55.4	16.9	1	08/29/24 12:00	08/29/24 20:52	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.9**	ug/kg	55.4	16.9	1	08/29/24 12:00	08/29/24 20:52	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.9**	ug/kg	55.4	16.9	1	08/29/24 12:00	08/29/24 20:52	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.9**	ug/kg	55.4	16.9	1	08/29/24 12:00	08/29/24 20:52	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.9**	ug/kg	55.4	16.9	1	08/29/24 12:00	08/29/24 20:52	11096-82-5	
PCB, Total	**<16.9**	ug/kg	55.4	16.9	1	08/29/24 12:00	08/29/24 20:52	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	65-120		1	08/29/24 12:00	08/29/24 20:52	877-09-8	
Decachlorobiphenyl (S)	64	%	55-120		1	08/29/24 12:00	08/29/24 20:52	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**5.3**	mg/kg	2.8	1.6	1	08/27/24 06:00	08/27/24 20:21	7440-38-2	
Barium	**229**	mg/kg	0.55	0.17	1	08/27/24 06:00	08/27/24 20:21	7440-39-3	
Cadmium	**0.15J**	mg/kg	0.55	0.15	1	08/27/24 06:00	08/27/24 20:21	7440-43-9	
Chromium	**13.6**	mg/kg	1.1	0.31	1	08/27/24 06:00	08/27/24 20:21	7440-47-3	
Lead	**60.4**	mg/kg	2.2	0.66	1	08/27/24 06:00	08/27/24 20:21	7439-92-1	
Selenium	**<1.4**	mg/kg	4.4	1.4	1	08/27/24 06:00	08/27/24 20:21	7782-49-2	
Silver	**<0.34**	mg/kg	1.1	0.34	1	08/27/24 06:00	08/27/24 20:21	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.11**	mg/kg	0.037	0.010	1	08/27/24 09:25	08/28/24 10:10	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**5.9J**	ug/kg	18.6	2.4	1	08/27/24 07:55	08/27/24 16:18	83-32-9	
Acenaphthylene	**23.7**	ug/kg	18.6	2.3	1	08/27/24 07:55	08/27/24 16:18	208-96-8	
Anthracene	**31.8**	ug/kg	18.6	2.3	1	08/27/24 07:55	08/27/24 16:18	120-12-7	
Benzo(a)anthracene	**137**	ug/kg	18.6	2.4	1	08/27/24 07:55	08/27/24 16:18	56-55-3	
Benzo(a)pyrene	**177**	ug/kg	18.6	2.1	1	08/27/24 07:55	08/27/24 16:18	50-32-8	
Benzo(b)fluoranthene	**237**	ug/kg	18.6	2.6	1	08/27/24 07:55	08/27/24 16:18	205-99-2	
Benzo(g,h,i)perylene	**127**	ug/kg	18.6	3.3	1	08/27/24 07:55	08/27/24 16:18	191-24-2	
Benzo(k)fluoranthene	**88.2**	ug/kg	18.6	2.4	1	08/27/24 07:55	08/27/24 16:18	207-08-9	
Chrysene	**185**	ug/kg	18.6	3.5	1	08/27/24 07:55	08/27/24 16:18	218-01-9	
Dibenz(a,h)anthracene	**32.7**	ug/kg	18.6	2.6	1	08/27/24 07:55	08/27/24 16:18	53-70-3	
Fluoranthene	**363**	ug/kg	18.6	2.2	1	08/27/24 07:55	08/27/24 16:18	206-44-0	
Fluorene	**11.3J**	ug/kg	18.6	2.2	1	08/27/24 07:55	08/27/24 16:18	86-73-7	
Indeno(1,2,3-cd)pyrene	**103**	ug/kg	18.6	3.9	1	08/27/24 07:55	08/27/24 16:18	193-39-5	
1-Methylnaphthalene	**14.8J**	ug/kg	18.6	2.7	1	08/27/24 07:55	08/27/24 16:18	90-12-0	
2-Methylnaphthalene	**17.3J**	ug/kg	18.6	2.7	1	08/27/24 07:55	08/27/24 16:18	91-57-6	
Naphthalene	**18.7**	ug/kg	18.6	1.8	1	08/27/24 07:55	08/27/24 16:18	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (0-4') **Lab ID: 40283117019** Collected: 08/21/24 14:50 Received: 08/23/24 13:55 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	**179**	ug/kg	18.6	2.1	1	08/27/24 07:55	08/27/24 16:18	85-01-8	
Pyrene	**270**	ug/kg	18.6	2.7	1	08/27/24 07:55	08/27/24 16:18	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	39-120		1	08/27/24 07:55	08/27/24 16:18	321-60-8	
Terphenyl-d14 (S)	72	%	36-120		1	08/27/24 07:55	08/27/24 16:18	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.6**	ug/kg	24.5	14.6	1	08/27/24 08:45	08/28/24 01:41	71-43-2	
Bromobenzene	**<23.9**	ug/kg	61.3	23.9	1	08/27/24 08:45	08/28/24 01:41	108-86-1	
Bromochloromethane	**<16.8**	ug/kg	61.3	16.8	1	08/27/24 08:45	08/28/24 01:41	74-97-5	
Bromodichloromethane	**<14.6**	ug/kg	61.3	14.6	1	08/27/24 08:45	08/28/24 01:41	75-27-4	
Bromoform	**<270**	ug/kg	306	270	1	08/27/24 08:45	08/28/24 01:41	75-25-2	
Bromomethane	**<85.9**	ug/kg	306	85.9	1	08/27/24 08:45	08/28/24 01:41	74-83-9	v1
n-Butylbenzene	**<28.1**	ug/kg	61.3	28.1	1	08/27/24 08:45	08/28/24 01:41	104-51-8	
sec-Butylbenzene	**<21.0**	ug/kg	61.3	21.0	1	08/27/24 08:45	08/28/24 01:41	135-98-8	
tert-Butylbenzene	**<19.2**	ug/kg	61.3	19.2	1	08/27/24 08:45	08/28/24 01:41	98-06-6	
Carbon tetrachloride	**<13.5**	ug/kg	61.3	13.5	1	08/27/24 08:45	08/28/24 01:41	56-23-5	
Chlorobenzene	**<7.3**	ug/kg	61.3	7.3	1	08/27/24 08:45	08/28/24 01:41	108-90-7	
Chloroethane	**<25.9**	ug/kg	306	25.9	1	08/27/24 08:45	08/28/24 01:41	75-00-3	v1
Chloroform	**<43.9**	ug/kg	306	43.9	1	08/27/24 08:45	08/28/24 01:41	67-66-3	
Chloromethane	**<23.3**	ug/kg	61.3	23.3	1	08/27/24 08:45	08/28/24 01:41	74-87-3	
2-Chlorotoluene	**<19.9**	ug/kg	61.3	19.9	1	08/27/24 08:45	08/28/24 01:41	95-49-8	
4-Chlorotoluene	**<23.3**	ug/kg	61.3	23.3	1	08/27/24 08:45	08/28/24 01:41	106-43-4	
1,2-Dibromo-3-chloropropane	**<47.6**	ug/kg	306	47.6	1	08/27/24 08:45	08/28/24 01:41	96-12-8	
Dibromochloromethane	**<210**	ug/kg	306	210	1	08/27/24 08:45	08/28/24 01:41	124-48-1	
1,2-Dibromoethane (EDB)	**<16.8**	ug/kg	61.3	16.8	1	08/27/24 08:45	08/28/24 01:41	106-93-4	
Dibromomethane	**<18.1**	ug/kg	61.3	18.1	1	08/27/24 08:45	08/28/24 01:41	74-95-3	
1,2-Dichlorobenzene	**<19.0**	ug/kg	61.3	19.0	1	08/27/24 08:45	08/28/24 01:41	95-50-1	
1,3-Dichlorobenzene	**<16.8**	ug/kg	61.3	16.8	1	08/27/24 08:45	08/28/24 01:41	541-73-1	
1,4-Dichlorobenzene	**<16.8**	ug/kg	61.3	16.8	1	08/27/24 08:45	08/28/24 01:41	106-46-7	
Dichlorodifluoromethane	**<26.4**	ug/kg	61.3	26.4	1	08/27/24 08:45	08/28/24 01:41	75-71-8	
1,1-Dichloroethane	**<15.7**	ug/kg	61.3	15.7	1	08/27/24 08:45	08/28/24 01:41	75-34-3	
1,2-Dichloroethane	**<14.1**	ug/kg	61.3	14.1	1	08/27/24 08:45	08/28/24 01:41	107-06-2	
1,1-Dichloroethene	**<20.3**	ug/kg	61.3	20.3	1	08/27/24 08:45	08/28/24 01:41	75-35-4	
cis-1,2-Dichloroethene	**<13.1**	ug/kg	61.3	13.1	1	08/27/24 08:45	08/28/24 01:41	156-59-2	
trans-1,2-Dichloroethene	**<13.4**	ug/kg	61.3	13.4	1	08/27/24 08:45	08/28/24 01:41	156-60-5	
1,2-Dichloropropane	**<14.6**	ug/kg	61.3	14.6	1	08/27/24 08:45	08/28/24 01:41	78-87-5	
1,3-Dichloropropane	**<13.4**	ug/kg	61.3	13.4	1	08/27/24 08:45	08/28/24 01:41	142-28-9	
2,2-Dichloropropane	**<16.5**	ug/kg	61.3	16.5	1	08/27/24 08:45	08/28/24 01:41	594-20-7	
1,1-Dichloropropene	**<19.9**	ug/kg	61.3	19.9	1	08/27/24 08:45	08/28/24 01:41	563-58-6	
cis-1,3-Dichloropropene	**<40.5**	ug/kg	306	40.5	1	08/27/24 08:45	08/28/24 01:41	10061-01-5	
trans-1,3-Dichloropropene	**<175**	ug/kg	306	175	1	08/27/24 08:45	08/28/24 01:41	10061-02-6	
Diisopropyl ether	**<15.2**	ug/kg	61.3	15.2	1	08/27/24 08:45	08/28/24 01:41	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (0-4') **Lab ID: 40283117019** Collected: 08/21/24 14:50 Received: 08/23/24 13:55 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								
Ethylbenzene	**<14.6**	ug/kg	61.3	14.6	1	08/27/24 08:45	08/28/24 01:41	100-41-4	
Hexachloro-1,3-butadiene	**<122**	ug/kg	306	122	1	08/27/24 08:45	08/28/24 01:41	87-68-3	
Isopropylbenzene (Cumene)	**<16.5**	ug/kg	61.3	16.5	1	08/27/24 08:45	08/28/24 01:41	98-82-8	
p-Isopropyltoluene	**<20.8**	ug/kg	61.3	20.8	1	08/27/24 08:45	08/28/24 01:41	99-87-6	
Methylene Chloride	**<17.0**	ug/kg	61.3	17.0	1	08/27/24 08:45	08/28/24 01:41	75-09-2	
Methyl-tert-butyl ether	**<18.0**	ug/kg	61.3	18.0	1	08/27/24 08:45	08/28/24 01:41	1634-04-4	
Naphthalene	**<25.8**	ug/kg	306	25.8	1	08/27/24 08:45	08/28/24 01:41	91-20-3	
n-Propylbenzene	**<14.7**	ug/kg	61.3	14.7	1	08/27/24 08:45	08/28/24 01:41	103-65-1	
Styrene	**<15.7**	ug/kg	61.3	15.7	1	08/27/24 08:45	08/28/24 01:41	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.7**	ug/kg	61.3	14.7	1	08/27/24 08:45	08/28/24 01:41	630-20-6	
1,1,2,2-Tetrachloroethane	**<22.2**	ug/kg	61.3	22.2	1	08/27/24 08:45	08/28/24 01:41	79-34-5	
Tetrachloroethene	**<23.8**	ug/kg	61.3	23.8	1	08/27/24 08:45	08/28/24 01:41	127-18-4	
Toluene	**<15.4**	ug/kg	61.3	15.4	1	08/27/24 08:45	08/28/24 01:41	108-88-3	
Total Trimethylbenzenes	**<38.1**	ug/kg	123	38.1	1	08/27/24 08:45	08/28/24 01:41		
1,2,3-Trichlorobenzene	**<68.3**	ug/kg	306	68.3	1	08/27/24 08:45	08/28/24 01:41	87-61-6	
1,2,4-Trichlorobenzene	**<50.5**	ug/kg	306	50.5	1	08/27/24 08:45	08/28/24 01:41	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	61.3	15.7	1	08/27/24 08:45	08/28/24 01:41	71-55-6	
1,1,2-Trichloroethane	**<22.3**	ug/kg	61.3	22.3	1	08/27/24 08:45	08/28/24 01:41	79-00-5	
Trichloroethene	**<22.9**	ug/kg	61.3	22.9	1	08/27/24 08:45	08/28/24 01:41	79-01-6	
Trichlorofluoromethane	**<17.8**	ug/kg	61.3	17.8	1	08/27/24 08:45	08/28/24 01:41	75-69-4	
1,2,3-Trichloropropane	**<29.8**	ug/kg	61.3	29.8	1	08/27/24 08:45	08/28/24 01:41	96-18-4	
1,2,4-Trimethylbenzene	**<18.3**	ug/kg	61.3	18.3	1	08/27/24 08:45	08/28/24 01:41	95-63-6	
1,3,5-Trimethylbenzene	**<19.7**	ug/kg	61.3	19.7	1	08/27/24 08:45	08/28/24 01:41	108-67-8	
Vinyl chloride	**<12.4**	ug/kg	61.3	12.4	1	08/27/24 08:45	08/28/24 01:41	75-01-4	
Xylene (Total)	**<44.3**	ug/kg	184	44.3	1	08/27/24 08:45	08/28/24 01:41	1330-20-7	
m&p-Xylene	**<25.9**	ug/kg	123	25.9	1	08/27/24 08:45	08/28/24 01:41	179601-23-1	
o-Xylene	**<18.4**	ug/kg	61.3	18.4	1	08/27/24 08:45	08/28/24 01:41	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	127	%	67-144		1	08/27/24 08:45	08/28/24 01:41	2199-69-1	
4-Bromofluorobenzene (S)	126	%	72-142		1	08/27/24 08:45	08/28/24 01:41	460-00-4	
Toluene-d8 (S)	124	%	70-139		1	08/27/24 08:45	08/28/24 01:41	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**10.1**	%	0.10	0.10	1		08/27/24 16:42		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (28') **Lab ID: 40283117020** Collected: 08/21/24 15:20 Received: 08/23/24 13:55 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)	**<15.5**	ug/kg	50.9	15.5	1	08/29/24 12:00	08/29/24 21:13	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.5**	ug/kg	50.9	15.5	1	08/29/24 12:00	08/29/24 21:13	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.5**	ug/kg	50.9	15.5	1	08/29/24 12:00	08/29/24 21:13	11141-16-5	
PCB-1242 (Aroclor 1242)	**<15.5**	ug/kg	50.9	15.5	1	08/29/24 12:00	08/29/24 21:13	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.5**	ug/kg	50.9	15.5	1	08/29/24 12:00	08/29/24 21:13	12672-29-6	
PCB-1254 (Aroclor 1254)	**<15.5**	ug/kg	50.9	15.5	1	08/29/24 12:00	08/29/24 21:13	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.5**	ug/kg	50.9	15.5	1	08/29/24 12:00	08/29/24 21:13	11096-82-5	
PCB, Total	**<15.5**	ug/kg	50.9	15.5	1	08/29/24 12:00	08/29/24 21:13	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	85	%	65-120		1	08/29/24 12:00	08/29/24 21:13	877-09-8	
Decachlorobiphenyl (S)	71	%	55-120		1	08/29/24 12:00	08/29/24 21:13	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.4**	mg/kg	2.4	1.4	1	08/27/24 06:00	08/27/24 20:23	7440-38-2	
Barium	**32.5**	mg/kg	0.49	0.15	1	08/27/24 06:00	08/27/24 20:23	7440-39-3	
Cadmium	**<0.13**	mg/kg	0.49	0.13	1	08/27/24 06:00	08/27/24 20:23	7440-43-9	
Chromium	**12.2**	mg/kg	0.98	0.27	1	08/27/24 06:00	08/27/24 20:23	7440-47-3	
Lead	**1.2J**	mg/kg	2.0	0.59	1	08/27/24 06:00	08/27/24 20:23	7439-92-1	
Selenium	**<1.3**	mg/kg	3.9	1.3	1	08/27/24 06:00	08/27/24 20:23	7782-49-2	
Silver	**<0.30**	mg/kg	0.98	0.30	1	08/27/24 06:00	08/27/24 20:23	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.010**	mg/kg	0.035	0.010	1	08/27/24 09:25	08/28/24 10:17	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	17.0	2.2	1	08/28/24 08:07	08/28/24 12:49	83-32-9	
Acenaphthylene	**<2.1**	ug/kg	17.0	2.1	1	08/28/24 08:07	08/28/24 12:49	208-96-8	
Anthracene	**<2.1**	ug/kg	17.0	2.1	1	08/28/24 08:07	08/28/24 12:49	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	17.0	2.2	1	08/28/24 08:07	08/28/24 12:49	56-55-3	
Benzo(a)pyrene	**<1.9**	ug/kg	17.0	1.9	1	08/28/24 08:07	08/28/24 12:49	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.0	2.4	1	08/28/24 08:07	08/28/24 12:49	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.0	3.0	1	08/28/24 08:07	08/28/24 12:49	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.0	2.2	1	08/28/24 08:07	08/28/24 12:49	207-08-9	
Chrysene	**<3.2**	ug/kg	17.0	3.2	1	08/28/24 08:07	08/28/24 12:49	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.0	2.4	1	08/28/24 08:07	08/28/24 12:49	53-70-3	
Fluoranthene	**<2.0**	ug/kg	17.0	2.0	1	08/28/24 08:07	08/28/24 12:49	206-44-0	
Fluorene	**<2.0**	ug/kg	17.0	2.0	1	08/28/24 08:07	08/28/24 12:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.5**	ug/kg	17.0	3.5	1	08/28/24 08:07	08/28/24 12:49	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.0	2.5	1	08/28/24 08:07	08/28/24 12:49	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.0	2.5	1	08/28/24 08:07	08/28/24 12:49	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.0	1.7	1	08/28/24 08:07	08/28/24 12:49	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (28') **Lab ID: 40283117020** Collected: 08/21/24 15:20 Received: 08/23/24 13:55 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	**<1.9**	ug/kg	17.0	1.9	1	08/28/24 08:07	08/28/24 12:49	85-01-8	
Pyrene	**<2.5**	ug/kg	17.0	2.5	1	08/28/24 08:07	08/28/24 12:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	87	%	39-120		1	08/28/24 08:07	08/28/24 12:49	321-60-8	
Terphenyl-d14 (S)	91	%	36-120		1	08/28/24 08:07	08/28/24 12:49	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<12.3**	ug/kg	20.7	12.3	1	08/27/24 08:45	08/28/24 02:00	71-43-2	
Bromobenzene	**<20.2**	ug/kg	51.8	20.2	1	08/27/24 08:45	08/28/24 02:00	108-86-1	
Bromochloromethane	**<14.2**	ug/kg	51.8	14.2	1	08/27/24 08:45	08/28/24 02:00	74-97-5	
Bromodichloromethane	**<12.3**	ug/kg	51.8	12.3	1	08/27/24 08:45	08/28/24 02:00	75-27-4	
Bromoform	**<228**	ug/kg	259	228	1	08/27/24 08:45	08/28/24 02:00	75-25-2	
Bromomethane	**<72.6**	ug/kg	259	72.6	1	08/27/24 08:45	08/28/24 02:00	74-83-9	v1
n-Butylbenzene	**<23.7**	ug/kg	51.8	23.7	1	08/27/24 08:45	08/28/24 02:00	104-51-8	
sec-Butylbenzene	**<17.8**	ug/kg	51.8	17.8	1	08/27/24 08:45	08/28/24 02:00	135-98-8	
tert-Butylbenzene	**<16.3**	ug/kg	51.8	16.3	1	08/27/24 08:45	08/28/24 02:00	98-06-6	
Carbon tetrachloride	**<11.4**	ug/kg	51.8	11.4	1	08/27/24 08:45	08/28/24 02:00	56-23-5	
Chlorobenzene	**<6.2**	ug/kg	51.8	6.2	1	08/27/24 08:45	08/28/24 02:00	108-90-7	
Chloroethane	**<21.9**	ug/kg	259	21.9	1	08/27/24 08:45	08/28/24 02:00	75-00-3	v1
Chloroform	**<37.1**	ug/kg	259	37.1	1	08/27/24 08:45	08/28/24 02:00	67-66-3	
Chloromethane	**<19.7**	ug/kg	51.8	19.7	1	08/27/24 08:45	08/28/24 02:00	74-87-3	
2-Chlorotoluene	**<16.8**	ug/kg	51.8	16.8	1	08/27/24 08:45	08/28/24 02:00	95-49-8	
4-Chlorotoluene	**<19.7**	ug/kg	51.8	19.7	1	08/27/24 08:45	08/28/24 02:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<40.2**	ug/kg	259	40.2	1	08/27/24 08:45	08/28/24 02:00	96-12-8	
Dibromochloromethane	**<177**	ug/kg	259	177	1	08/27/24 08:45	08/28/24 02:00	124-48-1	
1,2-Dibromoethane (EDB)	**<14.2**	ug/kg	51.8	14.2	1	08/27/24 08:45	08/28/24 02:00	106-93-4	
Dibromomethane	**<15.3**	ug/kg	51.8	15.3	1	08/27/24 08:45	08/28/24 02:00	74-95-3	
1,2-Dichlorobenzene	**<16.1**	ug/kg	51.8	16.1	1	08/27/24 08:45	08/28/24 02:00	95-50-1	
1,3-Dichlorobenzene	**<14.2**	ug/kg	51.8	14.2	1	08/27/24 08:45	08/28/24 02:00	541-73-1	
1,4-Dichlorobenzene	**<14.2**	ug/kg	51.8	14.2	1	08/27/24 08:45	08/28/24 02:00	106-46-7	
Dichlorodifluoromethane	**<22.3**	ug/kg	51.8	22.3	1	08/27/24 08:45	08/28/24 02:00	75-71-8	
1,1-Dichloroethane	**<13.3**	ug/kg	51.8	13.3	1	08/27/24 08:45	08/28/24 02:00	75-34-3	
1,2-Dichloroethane	**<11.9**	ug/kg	51.8	11.9	1	08/27/24 08:45	08/28/24 02:00	107-06-2	
1,1-Dichloroethene	**<17.2**	ug/kg	51.8	17.2	1	08/27/24 08:45	08/28/24 02:00	75-35-4	
cis-1,2-Dichloroethene	**<11.1**	ug/kg	51.8	11.1	1	08/27/24 08:45	08/28/24 02:00	156-59-2	
trans-1,2-Dichloroethene	**<11.3**	ug/kg	51.8	11.3	1	08/27/24 08:45	08/28/24 02:00	156-60-5	
1,2-Dichloropropane	**<12.3**	ug/kg	51.8	12.3	1	08/27/24 08:45	08/28/24 02:00	78-87-5	
1,3-Dichloropropane	**<11.3**	ug/kg	51.8	11.3	1	08/27/24 08:45	08/28/24 02:00	142-28-9	
2,2-Dichloropropane	**<14.0**	ug/kg	51.8	14.0	1	08/27/24 08:45	08/28/24 02:00	594-20-7	
1,1-Dichloropropene	**<16.8**	ug/kg	51.8	16.8	1	08/27/24 08:45	08/28/24 02:00	563-58-6	
cis-1,3-Dichloropropene	**<34.2**	ug/kg	259	34.2	1	08/27/24 08:45	08/28/24 02:00	10061-01-5	
trans-1,3-Dichloropropene	**<148**	ug/kg	259	148	1	08/27/24 08:45	08/28/24 02:00	10061-02-6	
Diisopropyl ether	**<12.8**	ug/kg	51.8	12.8	1	08/27/24 08:45	08/28/24 02:00	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (28') **Lab ID: 40283117020** Collected: 08/21/24 15:20 Received: 08/23/24 13:55 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								
Ethylbenzene	**<12.3**	ug/kg	51.8	12.3	1	08/27/24 08:45	08/28/24 02:00	100-41-4	
Hexachloro-1,3-butadiene	**<103**	ug/kg	259	103	1	08/27/24 08:45	08/28/24 02:00	87-68-3	
Isopropylbenzene (Cumene)	**<14.0**	ug/kg	51.8	14.0	1	08/27/24 08:45	08/28/24 02:00	98-82-8	
p-Isopropyltoluene	**<17.6**	ug/kg	51.8	17.6	1	08/27/24 08:45	08/28/24 02:00	99-87-6	
Methylene Chloride	**<14.4**	ug/kg	51.8	14.4	1	08/27/24 08:45	08/28/24 02:00	75-09-2	
Methyl-tert-butyl ether	**<15.2**	ug/kg	51.8	15.2	1	08/27/24 08:45	08/28/24 02:00	1634-04-4	
Naphthalene	**<21.8**	ug/kg	259	21.8	1	08/27/24 08:45	08/28/24 02:00	91-20-3	
n-Propylbenzene	**<12.4**	ug/kg	51.8	12.4	1	08/27/24 08:45	08/28/24 02:00	103-65-1	
Styrene	**<13.3**	ug/kg	51.8	13.3	1	08/27/24 08:45	08/28/24 02:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.4**	ug/kg	51.8	12.4	1	08/27/24 08:45	08/28/24 02:00	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.8**	ug/kg	51.8	18.8	1	08/27/24 08:45	08/28/24 02:00	79-34-5	
Tetrachloroethene	**<20.1**	ug/kg	51.8	20.1	1	08/27/24 08:45	08/28/24 02:00	127-18-4	
Toluene	**<13.1**	ug/kg	51.8	13.1	1	08/27/24 08:45	08/28/24 02:00	108-88-3	
Total Trimethylbenzenes	**<32.2**	ug/kg	104	32.2	1	08/27/24 08:45	08/28/24 02:00		
1,2,3-Trichlorobenzene	**<57.7**	ug/kg	259	57.7	1	08/27/24 08:45	08/28/24 02:00	87-61-6	
1,2,4-Trichlorobenzene	**<42.7**	ug/kg	259	42.7	1	08/27/24 08:45	08/28/24 02:00	120-82-1	
1,1,1-Trichloroethane	**<13.3**	ug/kg	51.8	13.3	1	08/27/24 08:45	08/28/24 02:00	71-55-6	
1,1,2-Trichloroethane	**<18.9**	ug/kg	51.8	18.9	1	08/27/24 08:45	08/28/24 02:00	79-00-5	
Trichloroethene	**<19.4**	ug/kg	51.8	19.4	1	08/27/24 08:45	08/28/24 02:00	79-01-6	
Trichlorofluoromethane	**<15.0**	ug/kg	51.8	15.0	1	08/27/24 08:45	08/28/24 02:00	75-69-4	
1,2,3-Trichloropropane	**<25.2**	ug/kg	51.8	25.2	1	08/27/24 08:45	08/28/24 02:00	96-18-4	
1,2,4-Trimethylbenzene	**<15.4**	ug/kg	51.8	15.4	1	08/27/24 08:45	08/28/24 02:00	95-63-6	
1,3,5-Trimethylbenzene	**<16.7**	ug/kg	51.8	16.7	1	08/27/24 08:45	08/28/24 02:00	108-67-8	
Vinyl chloride	**<10.5**	ug/kg	51.8	10.5	1	08/27/24 08:45	08/28/24 02:00	75-01-4	
Xylene (Total)	**<37.4**	ug/kg	155	37.4	1	08/27/24 08:45	08/28/24 02:00	1330-20-7	
m&p-Xylene	**<21.9**	ug/kg	104	21.9	1	08/27/24 08:45	08/28/24 02:00	179601-23-1	
o-Xylene	**<15.5**	ug/kg	51.8	15.5	1	08/27/24 08:45	08/28/24 02:00	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	114	%	67-144		1	08/27/24 08:45	08/28/24 02:00	2199-69-1	
4-Bromofluorobenzene (S)	117	%	72-142		1	08/27/24 08:45	08/28/24 02:00	460-00-4	
Toluene-d8 (S)	114	%	70-139		1	08/27/24 08:45	08/28/24 02:00	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**1.8**	%	0.10	0.10	1		08/28/24 10:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (48') **Lab ID: 40283117021** Collected: 08/21/24 15:00 Received: 08/23/24 13:55 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)	**<18.1**	ug/kg	59.5	18.1	1	08/29/24 12:00	08/29/24 21:35	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.1**	ug/kg	59.5	18.1	1	08/29/24 12:00	08/29/24 21:35	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.1**	ug/kg	59.5	18.1	1	08/29/24 12:00	08/29/24 21:35	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.1**	ug/kg	59.5	18.1	1	08/29/24 12:00	08/29/24 21:35	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.1**	ug/kg	59.5	18.1	1	08/29/24 12:00	08/29/24 21:35	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.1**	ug/kg	59.5	18.1	1	08/29/24 12:00	08/29/24 21:35	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.1**	ug/kg	59.5	18.1	1	08/29/24 12:00	08/29/24 21:35	11096-82-5	
PCB, Total	**<18.1**	ug/kg	59.5	18.1	1	08/29/24 12:00	08/29/24 21:35	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	65-120		1	08/29/24 12:00	08/29/24 21:35	877-09-8	
Decachlorobiphenyl (S)	68	%	55-120		1	08/29/24 12:00	08/29/24 21:35	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.6**	mg/kg	2.8	1.6	1	08/27/24 06:00	08/27/24 19:12	7440-38-2	
Barium	**16.6**	mg/kg	0.56	0.17	1	08/27/24 06:00	08/27/24 19:12	7440-39-3	
Cadmium	**<0.15**	mg/kg	0.56	0.15	1	08/27/24 06:00	08/27/24 19:12	7440-43-9	
Chromium	**7.5**	mg/kg	1.1	0.31	1	08/27/24 06:00	08/27/24 19:12	7440-47-3	
Lead	**1.3J**	mg/kg	2.2	0.67	1	08/27/24 06:00	08/27/24 19:12	7439-92-1	
Selenium	**<1.5**	mg/kg	4.5	1.5	1	08/27/24 06:00	08/27/24 19:12	7782-49-2	
Silver	**<0.34**	mg/kg	1.1	0.34	1	08/27/24 06:00	08/27/24 19:12	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.012J**	mg/kg	0.039	0.011	1	08/27/24 09:25	08/28/24 10:20	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.6**	ug/kg	19.9	2.6	1	08/28/24 08:07	08/28/24 10:47	83-32-9	
Acenaphthylene	**<2.5**	ug/kg	19.9	2.5	1	08/28/24 08:07	08/28/24 10:47	208-96-8	
Anthracene	**<2.5**	ug/kg	19.9	2.5	1	08/28/24 08:07	08/28/24 10:47	120-12-7	
Benzo(a)anthracene	**<2.6**	ug/kg	19.9	2.6	1	08/28/24 08:07	08/28/24 10:47	56-55-3	
Benzo(a)pyrene	**<2.3**	ug/kg	19.9	2.3	1	08/28/24 08:07	08/28/24 10:47	50-32-8	
Benzo(b)fluoranthene	**<2.8**	ug/kg	19.9	2.8	1	08/28/24 08:07	08/28/24 10:47	205-99-2	
Benzo(g,h,i)perylene	**<3.5**	ug/kg	19.9	3.5	1	08/28/24 08:07	08/28/24 10:47	191-24-2	
Benzo(k)fluoranthene	**<2.5**	ug/kg	19.9	2.5	1	08/28/24 08:07	08/28/24 10:47	207-08-9	
Chrysene	**<3.7**	ug/kg	19.9	3.7	1	08/28/24 08:07	08/28/24 10:47	218-01-9	
Dibenz(a,h)anthracene	**<2.8**	ug/kg	19.9	2.8	1	08/28/24 08:07	08/28/24 10:47	53-70-3	
Fluoranthene	**<2.4**	ug/kg	19.9	2.4	1	08/28/24 08:07	08/28/24 10:47	206-44-0	
Fluorene	**<2.4**	ug/kg	19.9	2.4	1	08/28/24 08:07	08/28/24 10:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.1**	ug/kg	19.9	4.1	1	08/28/24 08:07	08/28/24 10:47	193-39-5	
1-Methylnaphthalene	**<2.9**	ug/kg	19.9	2.9	1	08/28/24 08:07	08/28/24 10:47	90-12-0	
2-Methylnaphthalene	**<2.9**	ug/kg	19.9	2.9	1	08/28/24 08:07	08/28/24 10:47	91-57-6	
Naphthalene	**<1.9**	ug/kg	19.9	1.9	1	08/28/24 08:07	08/28/24 10:47	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (48') **Lab ID: 40283117021** Collected: 08/21/24 15:00 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.3**	ug/kg	19.9	2.3	1	08/28/24 08:07	08/28/24 10:47	85-01-8	
Pyrene	**<2.9**	ug/kg	19.9	2.9	1	08/28/24 08:07	08/28/24 10:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	81	%	39-120		1	08/28/24 08:07	08/28/24 10:47	321-60-8	
Terphenyl-d14 (S)	85	%	36-120		1	08/28/24 08:07	08/28/24 10:47	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<16.4**	ug/kg	27.6	16.4	1	08/27/24 08:45	08/27/24 22:26	71-43-2	
Bromobenzene	**<26.9**	ug/kg	69.0	26.9	1	08/27/24 08:45	08/27/24 22:26	108-86-1	
Bromochloromethane	**<18.9**	ug/kg	69.0	18.9	1	08/27/24 08:45	08/27/24 22:26	74-97-5	
Bromodichloromethane	**<16.4**	ug/kg	69.0	16.4	1	08/27/24 08:45	08/27/24 22:26	75-27-4	
Bromoform	**<304**	ug/kg	345	304	1	08/27/24 08:45	08/27/24 22:26	75-25-2	M1
Bromomethane	**<96.8**	ug/kg	345	96.8	1	08/27/24 08:45	08/27/24 22:26	74-83-9	v1
n-Butylbenzene	**<31.6**	ug/kg	69.0	31.6	1	08/27/24 08:45	08/27/24 22:26	104-51-8	
sec-Butylbenzene	**<23.7**	ug/kg	69.0	23.7	1	08/27/24 08:45	08/27/24 22:26	135-98-8	
tert-Butylbenzene	**<21.7**	ug/kg	69.0	21.7	1	08/27/24 08:45	08/27/24 22:26	98-06-6	
Carbon tetrachloride	**<15.2**	ug/kg	69.0	15.2	1	08/27/24 08:45	08/27/24 22:26	56-23-5	
Chlorobenzene	**<8.3**	ug/kg	69.0	8.3	1	08/27/24 08:45	08/27/24 22:26	108-90-7	
Chloroethane	**<29.1**	ug/kg	345	29.1	1	08/27/24 08:45	08/27/24 22:26	75-00-3	v1
Chloroform	**<49.4**	ug/kg	345	49.4	1	08/27/24 08:45	08/27/24 22:26	67-66-3	
Chloromethane	**<26.2**	ug/kg	69.0	26.2	1	08/27/24 08:45	08/27/24 22:26	74-87-3	
2-Chlorotoluene	**<22.4**	ug/kg	69.0	22.4	1	08/27/24 08:45	08/27/24 22:26	95-49-8	
4-Chlorotoluene	**<26.2**	ug/kg	69.0	26.2	1	08/27/24 08:45	08/27/24 22:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<53.6**	ug/kg	345	53.6	1	08/27/24 08:45	08/27/24 22:26	96-12-8	
Dibromochloromethane	**<236**	ug/kg	345	236	1	08/27/24 08:45	08/27/24 22:26	124-48-1	
1,2-Dibromoethane (EDB)	**<18.9**	ug/kg	69.0	18.9	1	08/27/24 08:45	08/27/24 22:26	106-93-4	
Dibromomethane	**<20.4**	ug/kg	69.0	20.4	1	08/27/24 08:45	08/27/24 22:26	74-95-3	
1,2-Dichlorobenzene	**<21.4**	ug/kg	69.0	21.4	1	08/27/24 08:45	08/27/24 22:26	95-50-1	
1,3-Dichlorobenzene	**<18.9**	ug/kg	69.0	18.9	1	08/27/24 08:45	08/27/24 22:26	541-73-1	
1,4-Dichlorobenzene	**<18.9**	ug/kg	69.0	18.9	1	08/27/24 08:45	08/27/24 22:26	106-46-7	
Dichlorodifluoromethane	**<29.7**	ug/kg	69.0	29.7	1	08/27/24 08:45	08/27/24 22:26	75-71-8	
1,1-Dichloroethane	**<17.7**	ug/kg	69.0	17.7	1	08/27/24 08:45	08/27/24 22:26	75-34-3	
1,2-Dichloroethane	**<15.9**	ug/kg	69.0	15.9	1	08/27/24 08:45	08/27/24 22:26	107-06-2	
1,1-Dichloroethene	**<22.9**	ug/kg	69.0	22.9	1	08/27/24 08:45	08/27/24 22:26	75-35-4	
cis-1,2-Dichloroethene	**<14.8**	ug/kg	69.0	14.8	1	08/27/24 08:45	08/27/24 22:26	156-59-2	
trans-1,2-Dichloroethene	**<15.1**	ug/kg	69.0	15.1	1	08/27/24 08:45	08/27/24 22:26	156-60-5	
1,2-Dichloropropane	**<16.4**	ug/kg	69.0	16.4	1	08/27/24 08:45	08/27/24 22:26	78-87-5	
1,3-Dichloropropane	**<15.0**	ug/kg	69.0	15.0	1	08/27/24 08:45	08/27/24 22:26	142-28-9	
2,2-Dichloropropane	**<18.6**	ug/kg	69.0	18.6	1	08/27/24 08:45	08/27/24 22:26	594-20-7	
1,1-Dichloropropene	**<22.4**	ug/kg	69.0	22.4	1	08/27/24 08:45	08/27/24 22:26	563-58-6	
cis-1,3-Dichloropropene	**<45.6**	ug/kg	345	45.6	1	08/27/24 08:45	08/27/24 22:26	10061-01-5	
trans-1,3-Dichloropropene	**<197**	ug/kg	345	197	1	08/27/24 08:45	08/27/24 22:26	10061-02-6	
Diisopropyl ether	**<17.1**	ug/kg	69.0	17.1	1	08/27/24 08:45	08/27/24 22:26	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-5 (48') **Lab ID: 40283117021** Collected: 08/21/24 15:00 Received: 08/23/24 13:55 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								
Ethylbenzene	**<16.4**	ug/kg	69.0	16.4	1	08/27/24 08:45	08/27/24 22:26	100-41-4	
Hexachloro-1,3-butadiene	**<137**	ug/kg	345	137	1	08/27/24 08:45	08/27/24 22:26	87-68-3	
Isopropylbenzene (Cumene)	**<18.6**	ug/kg	69.0	18.6	1	08/27/24 08:45	08/27/24 22:26	98-82-8	
p-Isopropyltoluene	**<23.5**	ug/kg	69.0	23.5	1	08/27/24 08:45	08/27/24 22:26	99-87-6	
Methylene Chloride	**<19.2**	ug/kg	69.0	19.2	1	08/27/24 08:45	08/27/24 22:26	75-09-2	
Methyl-tert-butyl ether	**<20.3**	ug/kg	69.0	20.3	1	08/27/24 08:45	08/27/24 22:26	1634-04-4	
Naphthalene	**<29.0**	ug/kg	345	29.0	1	08/27/24 08:45	08/27/24 22:26	91-20-3	
n-Propylbenzene	**<16.6**	ug/kg	69.0	16.6	1	08/27/24 08:45	08/27/24 22:26	103-65-1	
Styrene	**<17.7**	ug/kg	69.0	17.7	1	08/27/24 08:45	08/27/24 22:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.6**	ug/kg	69.0	16.6	1	08/27/24 08:45	08/27/24 22:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	69.0	25.0	1	08/27/24 08:45	08/27/24 22:26	79-34-5	
Tetrachloroethene	**<26.8**	ug/kg	69.0	26.8	1	08/27/24 08:45	08/27/24 22:26	127-18-4	
Toluene	**<17.4**	ug/kg	69.0	17.4	1	08/27/24 08:45	08/27/24 22:26	108-88-3	
Total Trimethylbenzenes	**<42.9**	ug/kg	138	42.9	1	08/27/24 08:45	08/27/24 22:26		
1,2,3-Trichlorobenzene	**<76.9**	ug/kg	345	76.9	1	08/27/24 08:45	08/27/24 22:26	87-61-6	
1,2,4-Trichlorobenzene	**<56.9**	ug/kg	345	56.9	1	08/27/24 08:45	08/27/24 22:26	120-82-1	
1,1,1-Trichloroethane	**<17.7**	ug/kg	69.0	17.7	1	08/27/24 08:45	08/27/24 22:26	71-55-6	
1,1,2-Trichloroethane	**<25.1**	ug/kg	69.0	25.1	1	08/27/24 08:45	08/27/24 22:26	79-00-5	
Trichloroethene	**<25.8**	ug/kg	69.0	25.8	1	08/27/24 08:45	08/27/24 22:26	79-01-6	
Trichlorofluoromethane	**<20.0**	ug/kg	69.0	20.0	1	08/27/24 08:45	08/27/24 22:26	75-69-4	
1,2,3-Trichloropropane	**<33.5**	ug/kg	69.0	33.5	1	08/27/24 08:45	08/27/24 22:26	96-18-4	
1,2,4-Trimethylbenzene	**<20.6**	ug/kg	69.0	20.6	1	08/27/24 08:45	08/27/24 22:26	95-63-6	
1,3,5-Trimethylbenzene	**<22.2**	ug/kg	69.0	22.2	1	08/27/24 08:45	08/27/24 22:26	108-67-8	
Vinyl chloride	**<13.9**	ug/kg	69.0	13.9	1	08/27/24 08:45	08/27/24 22:26	75-01-4	
Xylene (Total)	**<49.8**	ug/kg	207	49.8	1	08/27/24 08:45	08/27/24 22:26	1330-20-7	
m&p-Xylene	**<29.1**	ug/kg	138	29.1	1	08/27/24 08:45	08/27/24 22:26	179601-23-1	
o-Xylene	**<20.7**	ug/kg	69.0	20.7	1	08/27/24 08:45	08/27/24 22:26	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	120	%	67-144		1	08/27/24 08:45	08/27/24 22:26	2199-69-1	
4-Bromofluorobenzene (S)	123	%	72-142		1	08/27/24 08:45	08/27/24 22:26	460-00-4	
Toluene-d8 (S)	116	%	70-139		1	08/27/24 08:45	08/27/24 22:26	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.0**	%	0.10	0.10	1		08/28/24 10:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (0-4') **Lab ID: 40283117022** Collected: 08/21/24 16:10 Received: 08/23/24 13:55 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)	**<17.1**	ug/kg	56.3	17.1	1	08/29/24 12:00	08/29/24 21:56	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.1**	ug/kg	56.3	17.1	1	08/29/24 12:00	08/29/24 21:56	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.1**	ug/kg	56.3	17.1	1	08/29/24 12:00	08/29/24 21:56	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.1**	ug/kg	56.3	17.1	1	08/29/24 12:00	08/29/24 21:56	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.1**	ug/kg	56.3	17.1	1	08/29/24 12:00	08/29/24 21:56	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.1**	ug/kg	56.3	17.1	1	08/29/24 12:00	08/29/24 21:56	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.1**	ug/kg	56.3	17.1	1	08/29/24 12:00	08/29/24 21:56	11096-82-5	
PCB, Total	**<17.1**	ug/kg	56.3	17.1	1	08/29/24 12:00	08/29/24 21:56	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	65-120		1	08/29/24 12:00	08/29/24 21:56	877-09-8	
Decachlorobiphenyl (S)	64	%	55-120		1	08/29/24 12:00	08/29/24 21:56	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**2.6**	mg/kg	2.6	1.5	1	08/27/24 06:00	08/27/24 19:14	7440-38-2	
Barium	**102**	mg/kg	0.52	0.16	1	08/27/24 06:00	08/27/24 19:14	7440-39-3	
Cadmium	**<0.14**	mg/kg	0.52	0.14	1	08/27/24 06:00	08/27/24 19:14	7440-43-9	
Chromium	**12.0**	mg/kg	1.0	0.29	1	08/27/24 06:00	08/27/24 19:14	7440-47-3	
Lead	**14.4**	mg/kg	2.1	0.62	1	08/27/24 06:00	08/27/24 19:14	7439-92-1	
Selenium	**<1.4**	mg/kg	4.2	1.4	1	08/27/24 06:00	08/27/24 19:14	7782-49-2	
Silver	**<0.32**	mg/kg	1.0	0.32	1	08/27/24 06:00	08/27/24 19:14	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.063**	mg/kg	0.037	0.011	1	08/27/24 09:25	08/28/24 10:22	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**5.6J**	ug/kg	37.5	4.9	2	08/28/24 08:07	08/28/24 15:07	83-32-9	
Acenaphthylene	**20.4J**	ug/kg	37.5	4.7	2	08/28/24 08:07	08/28/24 15:07	208-96-8	
Anthracene	**34.4J**	ug/kg	37.5	4.6	2	08/28/24 08:07	08/28/24 15:07	120-12-7	
Benzo(a)anthracene	**304**	ug/kg	37.5	4.8	2	08/28/24 08:07	08/28/24 15:07	56-55-3	
Benzo(a)pyrene	**415**	ug/kg	37.5	4.3	2	08/28/24 08:07	08/28/24 15:07	50-32-8	
Benzo(b)fluoranthene	**588**	ug/kg	37.5	5.2	2	08/28/24 08:07	08/28/24 15:07	205-99-2	
Benzo(g,h,i)perylene	**335**	ug/kg	37.5	6.6	2	08/28/24 08:07	08/28/24 15:07	191-24-2	
Benzo(k)fluoranthene	**211**	ug/kg	37.5	4.8	2	08/28/24 08:07	08/28/24 15:07	207-08-9	
Chrysene	**385**	ug/kg	37.5	7.1	2	08/28/24 08:07	08/28/24 15:07	218-01-9	
Dibenz(a,h)anthracene	**78.8**	ug/kg	37.5	5.2	2	08/28/24 08:07	08/28/24 15:07	53-70-3	
Fluoranthene	**683**	ug/kg	37.5	4.4	2	08/28/24 08:07	08/28/24 15:07	206-44-0	
Fluorene	**4.8J**	ug/kg	37.5	4.5	2	08/28/24 08:07	08/28/24 15:07	86-73-7	
Indeno(1,2,3-cd)pyrene	**270**	ug/kg	37.5	7.8	2	08/28/24 08:07	08/28/24 15:07	193-39-5	
1-Methylnaphthalene	**7.7J**	ug/kg	37.5	5.5	2	08/28/24 08:07	08/28/24 15:07	90-12-0	
2-Methylnaphthalene	**8.6J**	ug/kg	37.5	5.5	2	08/28/24 08:07	08/28/24 15:07	91-57-6	
Naphthalene	**10.2J**	ug/kg	37.5	3.6	2	08/28/24 08:07	08/28/24 15:07	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (0-4') **Lab ID: 40283117022** Collected: 08/21/24 16:10 Received: 08/23/24 13:55 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	**129**	ug/kg	37.5	4.3	2	08/28/24 08:07	08/28/24 15:07	85-01-8	
Pyrene	**502**	ug/kg	37.5	5.5	2	08/28/24 08:07	08/28/24 15:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	39-120		2	08/28/24 08:07	08/28/24 15:07	321-60-8	
Terphenyl-d14 (S)	63	%	36-120		2	08/28/24 08:07	08/28/24 15:07	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.8**	ug/kg	24.9	14.8	1	08/27/24 08:45	08/28/24 02:20	71-43-2	
Bromobenzene	**<24.3**	ug/kg	62.2	24.3	1	08/27/24 08:45	08/28/24 02:20	108-86-1	
Bromochloromethane	**<17.1**	ug/kg	62.2	17.1	1	08/27/24 08:45	08/28/24 02:20	74-97-5	
Bromodichloromethane	**<14.8**	ug/kg	62.2	14.8	1	08/27/24 08:45	08/28/24 02:20	75-27-4	
Bromoform	**<274**	ug/kg	311	274	1	08/27/24 08:45	08/28/24 02:20	75-25-2	
Bromomethane	**<87.3**	ug/kg	311	87.3	1	08/27/24 08:45	08/28/24 02:20	74-83-9	v1
n-Butylbenzene	**<28.5**	ug/kg	62.2	28.5	1	08/27/24 08:45	08/28/24 02:20	104-51-8	
sec-Butylbenzene	**<21.4**	ug/kg	62.2	21.4	1	08/27/24 08:45	08/28/24 02:20	135-98-8	
tert-Butylbenzene	**<19.5**	ug/kg	62.2	19.5	1	08/27/24 08:45	08/28/24 02:20	98-06-6	
Carbon tetrachloride	**<13.7**	ug/kg	62.2	13.7	1	08/27/24 08:45	08/28/24 02:20	56-23-5	
Chlorobenzene	**<7.5**	ug/kg	62.2	7.5	1	08/27/24 08:45	08/28/24 02:20	108-90-7	
Chloroethane	**<26.3**	ug/kg	311	26.3	1	08/27/24 08:45	08/28/24 02:20	75-00-3	v1
Chloroform	**<44.6**	ug/kg	311	44.6	1	08/27/24 08:45	08/28/24 02:20	67-66-3	
Chloromethane	**<23.7**	ug/kg	62.2	23.7	1	08/27/24 08:45	08/28/24 02:20	74-87-3	
2-Chlorotoluene	**<20.2**	ug/kg	62.2	20.2	1	08/27/24 08:45	08/28/24 02:20	95-49-8	
4-Chlorotoluene	**<23.7**	ug/kg	62.2	23.7	1	08/27/24 08:45	08/28/24 02:20	106-43-4	
1,2-Dibromo-3-chloropropane	**<48.3**	ug/kg	311	48.3	1	08/27/24 08:45	08/28/24 02:20	96-12-8	
Dibromochloromethane	**<213**	ug/kg	311	213	1	08/27/24 08:45	08/28/24 02:20	124-48-1	
1,2-Dibromoethane (EDB)	**<17.1**	ug/kg	62.2	17.1	1	08/27/24 08:45	08/28/24 02:20	106-93-4	
Dibromomethane	**<18.4**	ug/kg	62.2	18.4	1	08/27/24 08:45	08/28/24 02:20	74-95-3	
1,2-Dichlorobenzene	**<19.3**	ug/kg	62.2	19.3	1	08/27/24 08:45	08/28/24 02:20	95-50-1	
1,3-Dichlorobenzene	**<17.1**	ug/kg	62.2	17.1	1	08/27/24 08:45	08/28/24 02:20	541-73-1	
1,4-Dichlorobenzene	**<17.1**	ug/kg	62.2	17.1	1	08/27/24 08:45	08/28/24 02:20	106-46-7	
Dichlorodifluoromethane	**<26.8**	ug/kg	62.2	26.8	1	08/27/24 08:45	08/28/24 02:20	75-71-8	
1,1-Dichloroethane	**<15.9**	ug/kg	62.2	15.9	1	08/27/24 08:45	08/28/24 02:20	75-34-3	
1,2-Dichloroethane	**<14.3**	ug/kg	62.2	14.3	1	08/27/24 08:45	08/28/24 02:20	107-06-2	
1,1-Dichloroethene	**<20.7**	ug/kg	62.2	20.7	1	08/27/24 08:45	08/28/24 02:20	75-35-4	
cis-1,2-Dichloroethene	**<13.3**	ug/kg	62.2	13.3	1	08/27/24 08:45	08/28/24 02:20	156-59-2	
trans-1,2-Dichloroethene	**<13.6**	ug/kg	62.2	13.6	1	08/27/24 08:45	08/28/24 02:20	156-60-5	
1,2-Dichloropropane	**<14.8**	ug/kg	62.2	14.8	1	08/27/24 08:45	08/28/24 02:20	78-87-5	
1,3-Dichloropropane	**<13.6**	ug/kg	62.2	13.6	1	08/27/24 08:45	08/28/24 02:20	142-28-9	
2,2-Dichloropropane	**<16.8**	ug/kg	62.2	16.8	1	08/27/24 08:45	08/28/24 02:20	594-20-7	
1,1-Dichloropropene	**<20.2**	ug/kg	62.2	20.2	1	08/27/24 08:45	08/28/24 02:20	563-58-6	
cis-1,3-Dichloropropene	**<41.1**	ug/kg	311	41.1	1	08/27/24 08:45	08/28/24 02:20	10061-01-5	
trans-1,3-Dichloropropene	**<178**	ug/kg	311	178	1	08/27/24 08:45	08/28/24 02:20	10061-02-6	
Diisopropyl ether	**<15.4**	ug/kg	62.2	15.4	1	08/27/24 08:45	08/28/24 02:20	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (0-4') **Lab ID: 40283117022** Collected: 08/21/24 16:10 Received: 08/23/24 13:55 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								
Ethylbenzene	**<14.8**	ug/kg	62.2	14.8	1	08/27/24 08:45	08/28/24 02:20	100-41-4	
Hexachloro-1,3-butadiene	**<124**	ug/kg	311	124	1	08/27/24 08:45	08/28/24 02:20	87-68-3	
Isopropylbenzene (Cumene)	**<16.8**	ug/kg	62.2	16.8	1	08/27/24 08:45	08/28/24 02:20	98-82-8	
p-Isopropyltoluene	**<21.2**	ug/kg	62.2	21.2	1	08/27/24 08:45	08/28/24 02:20	99-87-6	
Methylene Chloride	**<17.3**	ug/kg	62.2	17.3	1	08/27/24 08:45	08/28/24 02:20	75-09-2	
Methyl-tert-butyl ether	**<18.3**	ug/kg	62.2	18.3	1	08/27/24 08:45	08/28/24 02:20	1634-04-4	
Naphthalene	**<26.2**	ug/kg	311	26.2	1	08/27/24 08:45	08/28/24 02:20	91-20-3	
n-Propylbenzene	**<14.9**	ug/kg	62.2	14.9	1	08/27/24 08:45	08/28/24 02:20	103-65-1	
Styrene	**<15.9**	ug/kg	62.2	15.9	1	08/27/24 08:45	08/28/24 02:20	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.9**	ug/kg	62.2	14.9	1	08/27/24 08:45	08/28/24 02:20	630-20-6	
1,1,2,2-Tetrachloroethane	**<22.5**	ug/kg	62.2	22.5	1	08/27/24 08:45	08/28/24 02:20	79-34-5	
Tetrachloroethene	**<24.1**	ug/kg	62.2	24.1	1	08/27/24 08:45	08/28/24 02:20	127-18-4	
Toluene	**<15.7**	ug/kg	62.2	15.7	1	08/27/24 08:45	08/28/24 02:20	108-88-3	
Total Trimethylbenzenes	**<38.7**	ug/kg	124	38.7	1	08/27/24 08:45	08/28/24 02:20		
1,2,3-Trichlorobenzene	**<69.3**	ug/kg	311	69.3	1	08/27/24 08:45	08/28/24 02:20	87-61-6	
1,2,4-Trichlorobenzene	**<51.3**	ug/kg	311	51.3	1	08/27/24 08:45	08/28/24 02:20	120-82-1	
1,1,1-Trichloroethane	**<15.9**	ug/kg	62.2	15.9	1	08/27/24 08:45	08/28/24 02:20	71-55-6	
1,1,2-Trichloroethane	**<22.7**	ug/kg	62.2	22.7	1	08/27/24 08:45	08/28/24 02:20	79-00-5	
Trichloroethene	**<23.3**	ug/kg	62.2	23.3	1	08/27/24 08:45	08/28/24 02:20	79-01-6	
Trichlorofluoromethane	**<18.1**	ug/kg	62.2	18.1	1	08/27/24 08:45	08/28/24 02:20	75-69-4	
1,2,3-Trichloropropane	**<30.2**	ug/kg	62.2	30.2	1	08/27/24 08:45	08/28/24 02:20	96-18-4	
1,2,4-Trimethylbenzene	**<18.5**	ug/kg	62.2	18.5	1	08/27/24 08:45	08/28/24 02:20	95-63-6	
1,3,5-Trimethylbenzene	**<20.0**	ug/kg	62.2	20.0	1	08/27/24 08:45	08/28/24 02:20	108-67-8	
Vinyl chloride	**<12.6**	ug/kg	62.2	12.6	1	08/27/24 08:45	08/28/24 02:20	75-01-4	
Xylene (Total)	**<44.9**	ug/kg	187	44.9	1	08/27/24 08:45	08/28/24 02:20	1330-20-7	
m&p-Xylene	**<26.3**	ug/kg	124	26.3	1	08/27/24 08:45	08/28/24 02:20	179601-23-1	
o-Xylene	**<18.7**	ug/kg	62.2	18.7	1	08/27/24 08:45	08/28/24 02:20	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	127	%	67-144		1	08/27/24 08:45	08/28/24 02:20	2199-69-1	
4-Bromofluorobenzene (S)	127	%	72-142		1	08/27/24 08:45	08/28/24 02:20	460-00-4	
Toluene-d8 (S)	123	%	70-139		1	08/27/24 08:45	08/28/24 02:20	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**10.9**	%	0.10	0.10	1		08/28/24 10:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (8') **Lab ID: 40283117023** Collected: 08/21/24 16:40 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 22:17	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 22:17	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 22:17	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 22:17	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 22:17	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 22:17	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 22:17	11096-82-5	
PCB, Total	**<16.0**	ug/kg	52.7	16.0	1	08/29/24 12:00	08/29/24 22:17	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	65-120		1	08/29/24 12:00	08/29/24 22:17	877-09-8	
Decachlorobiphenyl (S)	74	%	55-120		1	08/29/24 12:00	08/29/24 22:17	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.5**	mg/kg	2.6	1.5	1	08/27/24 06:00	08/27/24 19:16	7440-38-2	
Barium	**17.6**	mg/kg	0.52	0.16	1	08/27/24 06:00	08/27/24 19:16	7440-39-3	
Cadmium	**<0.14**	mg/kg	0.52	0.14	1	08/27/24 06:00	08/27/24 19:16	7440-43-9	
Chromium	**8.5**	mg/kg	1.0	0.29	1	08/27/24 06:00	08/27/24 19:16	7440-47-3	
Lead	**1.1J**	mg/kg	2.1	0.62	1	08/27/24 06:00	08/27/24 19:16	7439-92-1	
Selenium	**<1.4**	mg/kg	4.1	1.4	1	08/27/24 06:00	08/27/24 19:16	7782-49-2	
Silver	**<0.32**	mg/kg	1.0	0.32	1	08/27/24 06:00	08/27/24 19:16	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.011J**	mg/kg	0.034	0.0097	1	08/27/24 09:25	08/28/24 10:24	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.6	2.3	1	08/28/24 08:07	08/28/24 14:37	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.6	2.2	1	08/28/24 08:07	08/28/24 14:37	208-96-8	
Anthracene	**<2.2**	ug/kg	17.6	2.2	1	08/28/24 08:07	08/28/24 14:37	120-12-7	
Benzo(a)anthracene	**<2.3**	ug/kg	17.6	2.3	1	08/28/24 08:07	08/28/24 14:37	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.6	2.0	1	08/28/24 08:07	08/28/24 14:37	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.6	2.4	1	08/28/24 08:07	08/28/24 14:37	205-99-2	
Benzo(g,h,i)perylene	**<3.1**	ug/kg	17.6	3.1	1	08/28/24 08:07	08/28/24 14:37	191-24-2	
Benzo(k)fluoranthene	**<2.3**	ug/kg	17.6	2.3	1	08/28/24 08:07	08/28/24 14:37	207-08-9	
Chrysene	**<3.3**	ug/kg	17.6	3.3	1	08/28/24 08:07	08/28/24 14:37	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.6	2.4	1	08/28/24 08:07	08/28/24 14:37	53-70-3	
Fluoranthene	**<2.1**	ug/kg	17.6	2.1	1	08/28/24 08:07	08/28/24 14:37	206-44-0	
Fluorene	**<2.1**	ug/kg	17.6	2.1	1	08/28/24 08:07	08/28/24 14:37	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.7**	ug/kg	17.6	3.7	1	08/28/24 08:07	08/28/24 14:37	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.6	2.6	1	08/28/24 08:07	08/28/24 14:37	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	17.6	2.6	1	08/28/24 08:07	08/28/24 14:37	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.6	1.7	1	08/28/24 08:07	08/28/24 14:37	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (8') **Lab ID: 40283117023** Collected: 08/21/24 16:40 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.0**	ug/kg	17.6	2.0	1	08/28/24 08:07	08/28/24 14:37	85-01-8	
Pyrene	**<2.6**	ug/kg	17.6	2.6	1	08/28/24 08:07	08/28/24 14:37	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	39-120		1	08/28/24 08:07	08/28/24 14:37	321-60-8	
Terphenyl-d14 (S)	87	%	36-120		1	08/28/24 08:07	08/28/24 14:37	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.2**	ug/kg	22.2	13.2	1	08/27/24 08:45	08/28/24 02:39	71-43-2	
Bromobenzene	**<21.6**	ug/kg	55.4	21.6	1	08/27/24 08:45	08/28/24 02:39	108-86-1	
Bromochloromethane	**<15.2**	ug/kg	55.4	15.2	1	08/27/24 08:45	08/28/24 02:39	74-97-5	
Bromodichloromethane	**<13.2**	ug/kg	55.4	13.2	1	08/27/24 08:45	08/28/24 02:39	75-27-4	
Bromoform	**<244**	ug/kg	277	244	1	08/27/24 08:45	08/28/24 02:39	75-25-2	
Bromomethane	**<77.7**	ug/kg	277	77.7	1	08/27/24 08:45	08/28/24 02:39	74-83-9	v1
n-Butylbenzene	**<25.4**	ug/kg	55.4	25.4	1	08/27/24 08:45	08/28/24 02:39	104-51-8	
sec-Butylbenzene	**<19.0**	ug/kg	55.4	19.0	1	08/27/24 08:45	08/28/24 02:39	135-98-8	
tert-Butylbenzene	**<17.4**	ug/kg	55.4	17.4	1	08/27/24 08:45	08/28/24 02:39	98-06-6	
Carbon tetrachloride	**<12.2**	ug/kg	55.4	12.2	1	08/27/24 08:45	08/28/24 02:39	56-23-5	
Chlorobenzene	**<6.6**	ug/kg	55.4	6.6	1	08/27/24 08:45	08/28/24 02:39	108-90-7	
Chloroethane	**<23.4**	ug/kg	277	23.4	1	08/27/24 08:45	08/28/24 02:39	75-00-3	v1
Chloroform	**<39.7**	ug/kg	277	39.7	1	08/27/24 08:45	08/28/24 02:39	67-66-3	
Chloromethane	**<21.0**	ug/kg	55.4	21.0	1	08/27/24 08:45	08/28/24 02:39	74-87-3	
2-Chlorotoluene	**<17.9**	ug/kg	55.4	17.9	1	08/27/24 08:45	08/28/24 02:39	95-49-8	
4-Chlorotoluene	**<21.0**	ug/kg	55.4	21.0	1	08/27/24 08:45	08/28/24 02:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<43.0**	ug/kg	277	43.0	1	08/27/24 08:45	08/28/24 02:39	96-12-8	
Dibromochloromethane	**<189**	ug/kg	277	189	1	08/27/24 08:45	08/28/24 02:39	124-48-1	
1,2-Dibromoethane (EDB)	**<15.2**	ug/kg	55.4	15.2	1	08/27/24 08:45	08/28/24 02:39	106-93-4	
Dibromomethane	**<16.4**	ug/kg	55.4	16.4	1	08/27/24 08:45	08/28/24 02:39	74-95-3	
1,2-Dichlorobenzene	**<17.2**	ug/kg	55.4	17.2	1	08/27/24 08:45	08/28/24 02:39	95-50-1	
1,3-Dichlorobenzene	**<15.2**	ug/kg	55.4	15.2	1	08/27/24 08:45	08/28/24 02:39	541-73-1	
1,4-Dichlorobenzene	**<15.2**	ug/kg	55.4	15.2	1	08/27/24 08:45	08/28/24 02:39	106-46-7	
Dichlorodifluoromethane	**<23.8**	ug/kg	55.4	23.8	1	08/27/24 08:45	08/28/24 02:39	75-71-8	
1,1-Dichloroethane	**<14.2**	ug/kg	55.4	14.2	1	08/27/24 08:45	08/28/24 02:39	75-34-3	
1,2-Dichloroethane	**<12.7**	ug/kg	55.4	12.7	1	08/27/24 08:45	08/28/24 02:39	107-06-2	
1,1-Dichloroethene	**<18.4**	ug/kg	55.4	18.4	1	08/27/24 08:45	08/28/24 02:39	75-35-4	
cis-1,2-Dichloroethene	**<11.9**	ug/kg	55.4	11.9	1	08/27/24 08:45	08/28/24 02:39	156-59-2	
trans-1,2-Dichloroethene	**<12.1**	ug/kg	55.4	12.1	1	08/27/24 08:45	08/28/24 02:39	156-60-5	
1,2-Dichloropropane	**<13.2**	ug/kg	55.4	13.2	1	08/27/24 08:45	08/28/24 02:39	78-87-5	
1,3-Dichloropropane	**<12.1**	ug/kg	55.4	12.1	1	08/27/24 08:45	08/28/24 02:39	142-28-9	
2,2-Dichloropropane	**<15.0**	ug/kg	55.4	15.0	1	08/27/24 08:45	08/28/24 02:39	594-20-7	
1,1-Dichloropropene	**<17.9**	ug/kg	55.4	17.9	1	08/27/24 08:45	08/28/24 02:39	563-58-6	
cis-1,3-Dichloropropene	**<36.6**	ug/kg	277	36.6	1	08/27/24 08:45	08/28/24 02:39	10061-01-5	
trans-1,3-Dichloropropene	**<158**	ug/kg	277	158	1	08/27/24 08:45	08/28/24 02:39	10061-02-6	
Diisopropyl ether	**<13.7**	ug/kg	55.4	13.7	1	08/27/24 08:45	08/28/24 02:39	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (8') **Lab ID: 40283117023** Collected: 08/21/24 16:40 Received: 08/23/24 13:55 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								
Ethylbenzene	**<13.2**	ug/kg	55.4	13.2	1	08/27/24 08:45	08/28/24 02:39	100-41-4	
Hexachloro-1,3-butadiene	**<110**	ug/kg	277	110	1	08/27/24 08:45	08/28/24 02:39	87-68-3	
Isopropylbenzene (Cumene)	**<15.0**	ug/kg	55.4	15.0	1	08/27/24 08:45	08/28/24 02:39	98-82-8	
p-Isopropyltoluene	**<18.8**	ug/kg	55.4	18.8	1	08/27/24 08:45	08/28/24 02:39	99-87-6	
Methylene Chloride	**<15.4**	ug/kg	55.4	15.4	1	08/27/24 08:45	08/28/24 02:39	75-09-2	
Methyl-tert-butyl ether	**<16.3**	ug/kg	55.4	16.3	1	08/27/24 08:45	08/28/24 02:39	1634-04-4	
Naphthalene	**<23.3**	ug/kg	277	23.3	1	08/27/24 08:45	08/28/24 02:39	91-20-3	
n-Propylbenzene	**<13.3**	ug/kg	55.4	13.3	1	08/27/24 08:45	08/28/24 02:39	103-65-1	
Styrene	**<14.2**	ug/kg	55.4	14.2	1	08/27/24 08:45	08/28/24 02:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.3**	ug/kg	55.4	13.3	1	08/27/24 08:45	08/28/24 02:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.1**	ug/kg	55.4	20.1	1	08/27/24 08:45	08/28/24 02:39	79-34-5	
Tetrachloroethene	**<21.5**	ug/kg	55.4	21.5	1	08/27/24 08:45	08/28/24 02:39	127-18-4	
Toluene	**<14.0**	ug/kg	55.4	14.0	1	08/27/24 08:45	08/28/24 02:39	108-88-3	
Total Trimethylbenzenes	**<34.5**	ug/kg	111	34.5	1	08/27/24 08:45	08/28/24 02:39		
1,2,3-Trichlorobenzene	**<61.7**	ug/kg	277	61.7	1	08/27/24 08:45	08/28/24 02:39	87-61-6	
1,2,4-Trichlorobenzene	**<45.6**	ug/kg	277	45.6	1	08/27/24 08:45	08/28/24 02:39	120-82-1	
1,1,1-Trichloroethane	**<14.2**	ug/kg	55.4	14.2	1	08/27/24 08:45	08/28/24 02:39	71-55-6	
1,1,2-Trichloroethane	**<20.2**	ug/kg	55.4	20.2	1	08/27/24 08:45	08/28/24 02:39	79-00-5	
Trichloroethene	**<20.7**	ug/kg	55.4	20.7	1	08/27/24 08:45	08/28/24 02:39	79-01-6	
Trichlorofluoromethane	**<16.1**	ug/kg	55.4	16.1	1	08/27/24 08:45	08/28/24 02:39	75-69-4	
1,2,3-Trichloropropane	**<26.9**	ug/kg	55.4	26.9	1	08/27/24 08:45	08/28/24 02:39	96-18-4	
1,2,4-Trimethylbenzene	**<16.5**	ug/kg	55.4	16.5	1	08/27/24 08:45	08/28/24 02:39	95-63-6	
1,3,5-Trimethylbenzene	**<17.8**	ug/kg	55.4	17.8	1	08/27/24 08:45	08/28/24 02:39	108-67-8	
Vinyl chloride	**<11.2**	ug/kg	55.4	11.2	1	08/27/24 08:45	08/28/24 02:39	75-01-4	
Xylene (Total)	**<40.0**	ug/kg	166	40.0	1	08/27/24 08:45	08/28/24 02:39	1330-20-7	
m&p-Xylene	**<23.4**	ug/kg	111	23.4	1	08/27/24 08:45	08/28/24 02:39	179601-23-1	
o-Xylene	**<16.6**	ug/kg	55.4	16.6	1	08/27/24 08:45	08/28/24 02:39	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	117	%	67-144		1	08/27/24 08:45	08/28/24 02:39	2199-69-1	
4-Bromofluorobenzene (S)	122	%	72-142		1	08/27/24 08:45	08/28/24 02:39	460-00-4	
Toluene-d8 (S)	119	%	70-139		1	08/27/24 08:45	08/28/24 02:39	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**5.1**	%	0.10	0.10	1		08/28/24 10:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (48') **Lab ID: 40283117024** Collected: 08/21/24 16:20 Received: 08/23/24 13:55 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)	**<17.7**	ug/kg	58.3	17.7	1	08/29/24 12:00	08/29/24 22:39	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.7**	ug/kg	58.3	17.7	1	08/29/24 12:00	08/29/24 22:39	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.7**	ug/kg	58.3	17.7	1	08/29/24 12:00	08/29/24 22:39	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.7**	ug/kg	58.3	17.7	1	08/29/24 12:00	08/29/24 22:39	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.7**	ug/kg	58.3	17.7	1	08/29/24 12:00	08/29/24 22:39	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.7**	ug/kg	58.3	17.7	1	08/29/24 12:00	08/29/24 22:39	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.7**	ug/kg	58.3	17.7	1	08/29/24 12:00	08/29/24 22:39	11096-82-5	
PCB, Total	**<17.7**	ug/kg	58.3	17.7	1	08/29/24 12:00	08/29/24 22:39	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	65-120		1	08/29/24 12:00	08/29/24 22:39	877-09-8	
Decachlorobiphenyl (S)	70	%	55-120		1	08/29/24 12:00	08/29/24 22:39	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Arsenic	**<1.7**	mg/kg	2.8	1.7	1	08/27/24 06:00	08/27/24 19:17	7440-38-2	
Barium	**19.2**	mg/kg	0.57	0.17	1	08/27/24 06:00	08/27/24 19:17	7440-39-3	
Cadmium	**<0.15**	mg/kg	0.57	0.15	1	08/27/24 06:00	08/27/24 19:17	7440-43-9	
Chromium	**7.0**	mg/kg	1.1	0.31	1	08/27/24 06:00	08/27/24 19:17	7440-47-3	
Lead	**1.1J**	mg/kg	2.3	0.68	1	08/27/24 06:00	08/27/24 19:17	7439-92-1	
Selenium	**<1.5**	mg/kg	4.5	1.5	1	08/27/24 06:00	08/27/24 19:17	7782-49-2	
Silver	**<0.35**	mg/kg	1.1	0.35	1	08/27/24 06:00	08/27/24 19:17	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**0.011J**	mg/kg	0.036	0.010	1	08/27/24 09:25	08/28/24 10:27	7439-97-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Acenaphthene	**<2.5**	ug/kg	19.4	2.5	1	08/28/24 08:07	08/28/24 14:52	83-32-9	
Acenaphthylene	**<2.4**	ug/kg	19.4	2.4	1	08/28/24 08:07	08/28/24 14:52	208-96-8	
Anthracene	**<2.4**	ug/kg	19.4	2.4	1	08/28/24 08:07	08/28/24 14:52	120-12-7	
Benzo(a)anthracene	**<2.5**	ug/kg	19.4	2.5	1	08/28/24 08:07	08/28/24 14:52	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.4	2.2	1	08/28/24 08:07	08/28/24 14:52	50-32-8	
Benzo(b)fluoranthene	**<2.7**	ug/kg	19.4	2.7	1	08/28/24 08:07	08/28/24 14:52	205-99-2	
Benzo(g,h,i)perylene	**<3.4**	ug/kg	19.4	3.4	1	08/28/24 08:07	08/28/24 14:52	191-24-2	
Benzo(k)fluoranthene	**<2.5**	ug/kg	19.4	2.5	1	08/28/24 08:07	08/28/24 14:52	207-08-9	
Chrysene	**<3.7**	ug/kg	19.4	3.7	1	08/28/24 08:07	08/28/24 14:52	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	19.4	2.7	1	08/28/24 08:07	08/28/24 14:52	53-70-3	
Fluoranthene	**<2.3**	ug/kg	19.4	2.3	1	08/28/24 08:07	08/28/24 14:52	206-44-0	
Fluorene	**<2.3**	ug/kg	19.4	2.3	1	08/28/24 08:07	08/28/24 14:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.0**	ug/kg	19.4	4.0	1	08/28/24 08:07	08/28/24 14:52	193-39-5	
1-Methylnaphthalene	**<2.8**	ug/kg	19.4	2.8	1	08/28/24 08:07	08/28/24 14:52	90-12-0	
2-Methylnaphthalene	**<2.8**	ug/kg	19.4	2.8	1	08/28/24 08:07	08/28/24 14:52	91-57-6	
Naphthalene	**2.1J**	ug/kg	19.4	1.9	1	08/28/24 08:07	08/28/24 14:52	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (48') **Lab ID: 40283117024** Collected: 08/21/24 16:20 Received: 08/23/24 13:55 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Green Bay								
Phenanthrene	**<2.2**	ug/kg	19.4	2.2	1	08/28/24 08:07	08/28/24 14:52	85-01-8	
Pyrene	**<2.9**	ug/kg	19.4	2.9	1	08/28/24 08:07	08/28/24 14:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	39-120		1	08/28/24 08:07	08/28/24 14:52	321-60-8	
Terphenyl-d14 (S)	90	%	36-120		1	08/28/24 08:07	08/28/24 14:52	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.8**	ug/kg	26.5	15.8	1	08/27/24 08:45	08/28/24 02:59	71-43-2	
Bromobenzene	**<25.9**	ug/kg	66.3	25.9	1	08/27/24 08:45	08/28/24 02:59	108-86-1	
Bromochloromethane	**<18.2**	ug/kg	66.3	18.2	1	08/27/24 08:45	08/28/24 02:59	74-97-5	
Bromodichloromethane	**<15.8**	ug/kg	66.3	15.8	1	08/27/24 08:45	08/28/24 02:59	75-27-4	
Bromoform	**<292**	ug/kg	331	292	1	08/27/24 08:45	08/28/24 02:59	75-25-2	
Bromomethane	**<92.9**	ug/kg	331	92.9	1	08/27/24 08:45	08/28/24 02:59	74-83-9	v1
n-Butylbenzene	**<30.4**	ug/kg	66.3	30.4	1	08/27/24 08:45	08/28/24 02:59	104-51-8	
sec-Butylbenzene	**<22.8**	ug/kg	66.3	22.8	1	08/27/24 08:45	08/28/24 02:59	135-98-8	
tert-Butylbenzene	**<20.8**	ug/kg	66.3	20.8	1	08/27/24 08:45	08/28/24 02:59	98-06-6	
Carbon tetrachloride	**<14.6**	ug/kg	66.3	14.6	1	08/27/24 08:45	08/28/24 02:59	56-23-5	
Chlorobenzene	**<7.9**	ug/kg	66.3	7.9	1	08/27/24 08:45	08/28/24 02:59	108-90-7	
Chloroethane	**<28.0**	ug/kg	331	28.0	1	08/27/24 08:45	08/28/24 02:59	75-00-3	v1
Chloroform	**<47.5**	ug/kg	331	47.5	1	08/27/24 08:45	08/28/24 02:59	67-66-3	
Chloromethane	**<25.2**	ug/kg	66.3	25.2	1	08/27/24 08:45	08/28/24 02:59	74-87-3	
2-Chlorotoluene	**<21.5**	ug/kg	66.3	21.5	1	08/27/24 08:45	08/28/24 02:59	95-49-8	
4-Chlorotoluene	**<25.2**	ug/kg	66.3	25.2	1	08/27/24 08:45	08/28/24 02:59	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.4**	ug/kg	331	51.4	1	08/27/24 08:45	08/28/24 02:59	96-12-8	
Dibromochloromethane	**<227**	ug/kg	331	227	1	08/27/24 08:45	08/28/24 02:59	124-48-1	
1,2-Dibromoethane (EDB)	**<18.2**	ug/kg	66.3	18.2	1	08/27/24 08:45	08/28/24 02:59	106-93-4	
Dibromomethane	**<19.6**	ug/kg	66.3	19.6	1	08/27/24 08:45	08/28/24 02:59	74-95-3	
1,2-Dichlorobenzene	**<20.6**	ug/kg	66.3	20.6	1	08/27/24 08:45	08/28/24 02:59	95-50-1	
1,3-Dichlorobenzene	**<18.2**	ug/kg	66.3	18.2	1	08/27/24 08:45	08/28/24 02:59	541-73-1	
1,4-Dichlorobenzene	**<18.2**	ug/kg	66.3	18.2	1	08/27/24 08:45	08/28/24 02:59	106-46-7	
Dichlorodifluoromethane	**<28.5**	ug/kg	66.3	28.5	1	08/27/24 08:45	08/28/24 02:59	75-71-8	
1,1-Dichloroethane	**<17.0**	ug/kg	66.3	17.0	1	08/27/24 08:45	08/28/24 02:59	75-34-3	
1,2-Dichloroethane	**<15.2**	ug/kg	66.3	15.2	1	08/27/24 08:45	08/28/24 02:59	107-06-2	
1,1-Dichloroethene	**<22.0**	ug/kg	66.3	22.0	1	08/27/24 08:45	08/28/24 02:59	75-35-4	
cis-1,2-Dichloroethene	**<14.2**	ug/kg	66.3	14.2	1	08/27/24 08:45	08/28/24 02:59	156-59-2	
trans-1,2-Dichloroethene	**<14.5**	ug/kg	66.3	14.5	1	08/27/24 08:45	08/28/24 02:59	156-60-5	
1,2-Dichloropropane	**<15.8**	ug/kg	66.3	15.8	1	08/27/24 08:45	08/28/24 02:59	78-87-5	
1,3-Dichloropropane	**<14.5**	ug/kg	66.3	14.5	1	08/27/24 08:45	08/28/24 02:59	142-28-9	
2,2-Dichloropropane	**<17.9**	ug/kg	66.3	17.9	1	08/27/24 08:45	08/28/24 02:59	594-20-7	
1,1-Dichloropropene	**<21.5**	ug/kg	66.3	21.5	1	08/27/24 08:45	08/28/24 02:59	563-58-6	
cis-1,3-Dichloropropene	**<43.8**	ug/kg	331	43.8	1	08/27/24 08:45	08/28/24 02:59	10061-01-5	
trans-1,3-Dichloropropene	**<190**	ug/kg	331	190	1	08/27/24 08:45	08/28/24 02:59	10061-02-6	
Diisopropyl ether	**<16.4**	ug/kg	66.3	16.4	1	08/27/24 08:45	08/28/24 02:59	108-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: SB-6 (48') **Lab ID: 40283117024** Collected: 08/21/24 16:20 Received: 08/23/24 13:55 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								
Ethylbenzene	**<15.8**	ug/kg	66.3	15.8	1	08/27/24 08:45	08/28/24 02:59	100-41-4	
Hexachloro-1,3-butadiene	**<132**	ug/kg	331	132	1	08/27/24 08:45	08/28/24 02:59	87-68-3	
Isopropylbenzene (Cumene)	**<17.9**	ug/kg	66.3	17.9	1	08/27/24 08:45	08/28/24 02:59	98-82-8	
p-Isopropyltoluene	**<22.5**	ug/kg	66.3	22.5	1	08/27/24 08:45	08/28/24 02:59	99-87-6	
Methylene Chloride	**<18.4**	ug/kg	66.3	18.4	1	08/27/24 08:45	08/28/24 02:59	75-09-2	
Methyl-tert-butyl ether	**<19.5**	ug/kg	66.3	19.5	1	08/27/24 08:45	08/28/24 02:59	1634-04-4	
Naphthalene	**<27.9**	ug/kg	331	27.9	1	08/27/24 08:45	08/28/24 02:59	91-20-3	
n-Propylbenzene	**<15.9**	ug/kg	66.3	15.9	1	08/27/24 08:45	08/28/24 02:59	103-65-1	
Styrene	**<17.0**	ug/kg	66.3	17.0	1	08/27/24 08:45	08/28/24 02:59	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.9**	ug/kg	66.3	15.9	1	08/27/24 08:45	08/28/24 02:59	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.0**	ug/kg	66.3	24.0	1	08/27/24 08:45	08/28/24 02:59	79-34-5	
Tetrachloroethene	**<25.7**	ug/kg	66.3	25.7	1	08/27/24 08:45	08/28/24 02:59	127-18-4	
Toluene	**<16.7**	ug/kg	66.3	16.7	1	08/27/24 08:45	08/28/24 02:59	108-88-3	
Total Trimethylbenzenes	**<41.2**	ug/kg	133	41.2	1	08/27/24 08:45	08/28/24 02:59		
1,2,3-Trichlorobenzene	**<73.9**	ug/kg	331	73.9	1	08/27/24 08:45	08/28/24 02:59	87-61-6	
1,2,4-Trichlorobenzene	**<54.6**	ug/kg	331	54.6	1	08/27/24 08:45	08/28/24 02:59	120-82-1	
1,1,1-Trichloroethane	**<17.0**	ug/kg	66.3	17.0	1	08/27/24 08:45	08/28/24 02:59	71-55-6	
1,1,2-Trichloroethane	**<24.1**	ug/kg	66.3	24.1	1	08/27/24 08:45	08/28/24 02:59	79-00-5	
Trichloroethene	**<24.8**	ug/kg	66.3	24.8	1	08/27/24 08:45	08/28/24 02:59	79-01-6	
Trichlorofluoromethane	**<19.2**	ug/kg	66.3	19.2	1	08/27/24 08:45	08/28/24 02:59	75-69-4	
1,2,3-Trichloropropane	**<32.2**	ug/kg	66.3	32.2	1	08/27/24 08:45	08/28/24 02:59	96-18-4	
1,2,4-Trimethylbenzene	**<19.8**	ug/kg	66.3	19.8	1	08/27/24 08:45	08/28/24 02:59	95-63-6	
1,3,5-Trimethylbenzene	**<21.3**	ug/kg	66.3	21.3	1	08/27/24 08:45	08/28/24 02:59	108-67-8	
Vinyl chloride	**<13.4**	ug/kg	66.3	13.4	1	08/27/24 08:45	08/28/24 02:59	75-01-4	
Xylene (Total)	**<47.9**	ug/kg	199	47.9	1	08/27/24 08:45	08/28/24 02:59	1330-20-7	
m&p-Xylene	**<28.0**	ug/kg	133	28.0	1	08/27/24 08:45	08/28/24 02:59	179601-23-1	
o-Xylene	**<19.9**	ug/kg	66.3	19.9	1	08/27/24 08:45	08/28/24 02:59	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	124	%	67-144		1	08/27/24 08:45	08/28/24 02:59	2199-69-1	
4-Bromofluorobenzene (S)	123	%	72-142		1	08/27/24 08:45	08/28/24 02:59	460-00-4	
Toluene-d8 (S)	117	%	70-139		1	08/27/24 08:45	08/28/24 02:59	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.0**	%	0.10	0.10	1		08/28/24 10:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: TRIP BLANK **Lab ID: 40283117025** Collected: 08/21/24 00:00 Received: 08/23/24 13:55 Matrix: Solid

Results reported on a "wet-weight" basis

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								
Benzene	**<11.9**	ug/kg	20.0	11.9	1	08/28/24 07:20	08/28/24 14:23	71-43-2	
Bromobenzene	**<19.5**	ug/kg	50.0	19.5	1	08/28/24 07:20	08/28/24 14:23	108-86-1	
Bromochloromethane	**<13.7**	ug/kg	50.0	13.7	1	08/28/24 07:20	08/28/24 14:23	74-97-5	
Bromodichloromethane	**<11.9**	ug/kg	50.0	11.9	1	08/28/24 07:20	08/28/24 14:23	75-27-4	
Bromoform	**<220**	ug/kg	250	220	1	08/28/24 07:20	08/28/24 14:23	75-25-2	
Bromomethane	**<70.1**	ug/kg	250	70.1	1	08/28/24 07:20	08/28/24 14:23	74-83-9	v1
n-Butylbenzene	**<22.9**	ug/kg	50.0	22.9	1	08/28/24 07:20	08/28/24 14:23	104-51-8	
sec-Butylbenzene	**<17.2**	ug/kg	50.0	17.2	1	08/28/24 07:20	08/28/24 14:23	135-98-8	
tert-Butylbenzene	**<15.7**	ug/kg	50.0	15.7	1	08/28/24 07:20	08/28/24 14:23	98-06-6	
Carbon tetrachloride	**<11.0**	ug/kg	50.0	11.0	1	08/28/24 07:20	08/28/24 14:23	56-23-5	
Chlorobenzene	**<6.0**	ug/kg	50.0	6.0	1	08/28/24 07:20	08/28/24 14:23	108-90-7	
Chloroethane	**<21.1**	ug/kg	250	21.1	1	08/28/24 07:20	08/28/24 14:23	75-00-3	v1
Chloroform	**<35.8**	ug/kg	250	35.8	1	08/28/24 07:20	08/28/24 14:23	67-66-3	
Chloromethane	**<19.0**	ug/kg	50.0	19.0	1	08/28/24 07:20	08/28/24 14:23	74-87-3	v1
2-Chlorotoluene	**<16.2**	ug/kg	50.0	16.2	1	08/28/24 07:20	08/28/24 14:23	95-49-8	
4-Chlorotoluene	**<19.0**	ug/kg	50.0	19.0	1	08/28/24 07:20	08/28/24 14:23	106-43-4	
1,2-Dibromo-3-chloropropane	**<38.8**	ug/kg	250	38.8	1	08/28/24 07:20	08/28/24 14:23	96-12-8	
Dibromochloromethane	**<171**	ug/kg	250	171	1	08/28/24 07:20	08/28/24 14:23	124-48-1	
1,2-Dibromoethane (EDB)	**<13.7**	ug/kg	50.0	13.7	1	08/28/24 07:20	08/28/24 14:23	106-93-4	
Dibromomethane	**<14.8**	ug/kg	50.0	14.8	1	08/28/24 07:20	08/28/24 14:23	74-95-3	
1,2-Dichlorobenzene	**<15.5**	ug/kg	50.0	15.5	1	08/28/24 07:20	08/28/24 14:23	95-50-1	
1,3-Dichlorobenzene	**<13.7**	ug/kg	50.0	13.7	1	08/28/24 07:20	08/28/24 14:23	541-73-1	
1,4-Dichlorobenzene	**<13.7**	ug/kg	50.0	13.7	1	08/28/24 07:20	08/28/24 14:23	106-46-7	
Dichlorodifluoromethane	**<21.5**	ug/kg	50.0	21.5	1	08/28/24 07:20	08/28/24 14:23	75-71-8	
1,1-Dichloroethane	**<12.8**	ug/kg	50.0	12.8	1	08/28/24 07:20	08/28/24 14:23	75-34-3	
1,2-Dichloroethane	**<11.5**	ug/kg	50.0	11.5	1	08/28/24 07:20	08/28/24 14:23	107-06-2	
1,1-Dichloroethene	**<16.6**	ug/kg	50.0	16.6	1	08/28/24 07:20	08/28/24 14:23	75-35-4	
cis-1,2-Dichloroethene	**<10.7**	ug/kg	50.0	10.7	1	08/28/24 07:20	08/28/24 14:23	156-59-2	
trans-1,2-Dichloroethene	**<10.9**	ug/kg	50.0	10.9	1	08/28/24 07:20	08/28/24 14:23	156-60-5	
1,2-Dichloropropane	**<11.9**	ug/kg	50.0	11.9	1	08/28/24 07:20	08/28/24 14:23	78-87-5	
1,3-Dichloropropane	**<10.9**	ug/kg	50.0	10.9	1	08/28/24 07:20	08/28/24 14:23	142-28-9	
2,2-Dichloropropane	**<13.5**	ug/kg	50.0	13.5	1	08/28/24 07:20	08/28/24 14:23	594-20-7	
1,1-Dichloropropene	**<16.2**	ug/kg	50.0	16.2	1	08/28/24 07:20	08/28/24 14:23	563-58-6	
cis-1,3-Dichloropropene	**<33.0**	ug/kg	250	33.0	1	08/28/24 07:20	08/28/24 14:23	10061-01-5	
trans-1,3-Dichloropropene	**<143**	ug/kg	250	143	1	08/28/24 07:20	08/28/24 14:23	10061-02-6	
Diisopropyl ether	**<12.4**	ug/kg	50.0	12.4	1	08/28/24 07:20	08/28/24 14:23	108-20-3	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	08/28/24 07:20	08/28/24 14:23	100-41-4	
Hexachloro-1,3-butadiene	**<99.4**	ug/kg	250	99.4	1	08/28/24 07:20	08/28/24 14:23	87-68-3	
Isopropylbenzene (Cumene)	**<13.5**	ug/kg	50.0	13.5	1	08/28/24 07:20	08/28/24 14:23	98-82-8	
p-Isopropyltoluene	**<17.0**	ug/kg	50.0	17.0	1	08/28/24 07:20	08/28/24 14:23	99-87-6	
Methylene Chloride	**<13.9**	ug/kg	50.0	13.9	1	08/28/24 07:20	08/28/24 14:23	75-09-2	
Methyl-tert-butyl ether	**<14.7**	ug/kg	50.0	14.7	1	08/28/24 07:20	08/28/24 14:23	1634-04-4	
Naphthalene	**<21.0**	ug/kg	250	21.0	1	08/28/24 07:20	08/28/24 14:23	91-20-3	
n-Propylbenzene	**<12.0**	ug/kg	50.0	12.0	1	08/28/24 07:20	08/28/24 14:23	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Sample: TRIP BLANK **Lab ID: 40283117025** Collected: 08/21/24 00:00 Received: 08/23/24 13:55 Matrix: Solid

Results reported on a "wet-weight" basis

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								
Styrene	**<12.8**	ug/kg	50.0	12.8	1	08/28/24 07:20	08/28/24 14:23	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.0**	ug/kg	50.0	12.0	1	08/28/24 07:20	08/28/24 14:23	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.1**	ug/kg	50.0	18.1	1	08/28/24 07:20	08/28/24 14:23	79-34-5	
Tetrachloroethene	**<19.4**	ug/kg	50.0	19.4	1	08/28/24 07:20	08/28/24 14:23	127-18-4	
Toluene	**<12.6**	ug/kg	50.0	12.6	1	08/28/24 07:20	08/28/24 14:23	108-88-3	
Total Trimethylbenzenes	**<31.1**	ug/kg	100	31.1	1	08/28/24 07:20	08/28/24 14:23		
1,2,3-Trichlorobenzene	**<55.7**	ug/kg	250	55.7	1	08/28/24 07:20	08/28/24 14:23	87-61-6	
1,2,4-Trichlorobenzene	**<41.2**	ug/kg	250	41.2	1	08/28/24 07:20	08/28/24 14:23	120-82-1	
1,1,1-Trichloroethane	**<12.8**	ug/kg	50.0	12.8	1	08/28/24 07:20	08/28/24 14:23	71-55-6	
1,1,2-Trichloroethane	**<18.2**	ug/kg	50.0	18.2	1	08/28/24 07:20	08/28/24 14:23	79-00-5	
Trichloroethene	**<18.7**	ug/kg	50.0	18.7	1	08/28/24 07:20	08/28/24 14:23	79-01-6	
Trichlorofluoromethane	**<14.5**	ug/kg	50.0	14.5	1	08/28/24 07:20	08/28/24 14:23	75-69-4	
1,2,3-Trichloropropane	**<24.3**	ug/kg	50.0	24.3	1	08/28/24 07:20	08/28/24 14:23	96-18-4	
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	08/28/24 07:20	08/28/24 14:23	95-63-6	
1,3,5-Trimethylbenzene	**<16.1**	ug/kg	50.0	16.1	1	08/28/24 07:20	08/28/24 14:23	108-67-8	
Vinyl chloride	**<10.1**	ug/kg	50.0	10.1	1	08/28/24 07:20	08/28/24 14:23	75-01-4	v1
Xylene (Total)	**<36.1**	ug/kg	150	36.1	1	08/28/24 07:20	08/28/24 14:23	1330-20-7	
m&p-Xylene	**<21.1**	ug/kg	100	21.1	1	08/28/24 07:20	08/28/24 14:23	179601-23-1	
o-Xylene	**<15.0**	ug/kg	50.0	15.0	1	08/28/24 07:20	08/28/24 14:23	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	107	%	67-144		1	08/28/24 07:20	08/28/24 14:23	2199-69-1	
4-Bromofluorobenzene (S)	106	%	72-142		1	08/28/24 07:20	08/28/24 14:23	460-00-4	
Toluene-d8 (S)	101	%	70-139		1	08/28/24 07:20	08/28/24 14:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 482898 | Analysis Method: EPA 7471
QC Batch Method: EPA 7471 | Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007

METHOD BLANK: 2765182 Matrix: Solid
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	08/28/24 08:26	

LABORATORY CONTROL SAMPLE: 2765183

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.84	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765184 2765185

Parameter	Units	40283069001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.011	0.87	0.87	0.87	0.86	99	99	85-115	1	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 482899
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019, 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

METHOD BLANK: 2765186 Matrix: Solid
Associated Lab Samples: 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019, 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	08/28/24 09:31	

LABORATORY CONTROL SAMPLE: 2765187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.86	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765188 2765189

Parameter	Units	40283117008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.010	0.85	0.85	0.88	0.89	102	104	85-115	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 482753
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117021, 40283117022, 40283117023, 40283117024

METHOD BLANK: 2764802 Matrix: Solid
Associated Lab Samples: 40283117021, 40283117022, 40283117023, 40283117024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	08/27/24 18:40	
Barium	mg/kg	<0.15	0.50	08/27/24 18:40	
Cadmium	mg/kg	<0.13	0.50	08/27/24 18:40	
Chromium	mg/kg	<0.28	1.0	08/27/24 18:40	
Lead	mg/kg	<0.60	2.0	08/27/24 18:40	
Selenium	mg/kg	<1.3	4.0	08/27/24 18:40	
Silver	mg/kg	<0.31	1.0	08/27/24 18:40	

LABORATORY CONTROL SAMPLE: 2764803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	24.0	96	80-120	
Barium	mg/kg	25	26.0	104	80-120	
Cadmium	mg/kg	25	26.0	104	80-120	
Chromium	mg/kg	25	25.6	102	80-120	
Lead	mg/kg	25	26.5	106	80-120	
Selenium	mg/kg	25	25.7	103	80-120	
Silver	mg/kg	12.5	12.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2764804 2764805

Parameter	Units	40282977001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.9J	30.7	30.6	33.1	36.5	95	107	75-125	10	20	
Barium	mg/kg	193	30.7	30.6	242	271	161	256	75-125	11	20	P6
Cadmium	mg/kg	<0.32	30.7	30.6	31.5	31.3	103	102	75-125	1	20	
Chromium	mg/kg	33.5	30.7	30.6	71.6	71.3	124	124	75-125	0	20	
Lead	mg/kg	16.4	30.7	30.6	46.5	58.2	98	137	75-125	22	20	M0,R1
Selenium	mg/kg	<3.2	30.7	30.6	32.5	32.3	105	105	75-125	0	20	
Silver	mg/kg	<0.75	15.3	15.2	16.5	16.3	104	102	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 482758
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019, 40283117020

METHOD BLANK: 2764823 Matrix: Solid
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019, 40283117020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	08/27/24 19:25	
Barium	mg/kg	<0.15	0.50	08/27/24 19:25	
Cadmium	mg/kg	<0.13	0.50	08/27/24 19:25	
Chromium	mg/kg	<0.28	1.0	08/27/24 19:25	
Lead	mg/kg	<0.60	2.0	08/27/24 19:25	
Selenium	mg/kg	<1.3	4.0	08/27/24 19:25	
Silver	mg/kg	<0.31	1.0	08/27/24 19:25	

LABORATORY CONTROL SAMPLE: 2764824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	23.9	96	80-120	
Barium	mg/kg	25	26.2	105	80-120	
Cadmium	mg/kg	25	26.2	105	80-120	
Chromium	mg/kg	25	25.5	102	80-120	
Lead	mg/kg	25	26.5	106	80-120	
Selenium	mg/kg	25	26.2	105	80-120	
Silver	mg/kg	12.5	12.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2764825 2764826

Parameter	Units	40283117001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.6J	26.8	26.7	26.5	26.5	93	93	75-125	0	20	
Barium	mg/kg	56.9	26.8	26.7	90.6	93.4	126	137	75-125	3	20	M0
Cadmium	mg/kg	<0.14	26.8	26.7	27.0	27.5	101	103	75-125	2	20	
Chromium	mg/kg	11.2	26.8	26.7	38.9	41.5	103	113	75-125	6	20	
Lead	mg/kg	22.8	26.8	26.7	49.0	66.6	98	164	75-125	30	20	M0,R1
Selenium	mg/kg	<1.4	26.8	26.7	26.8	26.3	100	99	75-125	2	20	
Silver	mg/kg	<0.33	13.4	13.3	13.3	13.5	99	101	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 482923
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016

METHOD BLANK: 2765269
Matrix: Solid
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/27/24 10:17	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/27/24 10:17	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/27/24 10:17	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/27/24 10:17	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/27/24 10:17	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/27/24 10:17	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/27/24 10:17	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/27/24 10:17	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/27/24 10:17	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/27/24 10:17	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/27/24 10:17	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/27/24 10:17	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/27/24 10:17	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	08/27/24 10:17	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/27/24 10:17	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/27/24 10:17	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/27/24 10:17	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	08/27/24 10:17	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/27/24 10:17	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	08/27/24 10:17	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/27/24 10:17	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/27/24 10:17	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/27/24 10:17	
Benzene	ug/kg	<11.9	20.0	08/27/24 10:17	
Bromobenzene	ug/kg	<19.5	50.0	08/27/24 10:17	
Bromochloromethane	ug/kg	<13.7	50.0	08/27/24 10:17	
Bromodichloromethane	ug/kg	<11.9	50.0	08/27/24 10:17	
Bromoform	ug/kg	<220	250	08/27/24 10:17	
Bromomethane	ug/kg	<70.1	250	08/27/24 10:17	
Carbon tetrachloride	ug/kg	<11.0	50.0	08/27/24 10:17	
Chlorobenzene	ug/kg	<6.0	50.0	08/27/24 10:17	
Chloroethane	ug/kg	<21.1	250	08/27/24 10:17	
Chloroform	ug/kg	<35.8	250	08/27/24 10:17	
Chloromethane	ug/kg	<19.0	50.0	08/27/24 10:17	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/27/24 10:17	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/27/24 10:17	
Dibromochloromethane	ug/kg	<171	250	08/27/24 10:17	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

METHOD BLANK: 2765269 Matrix: Solid

Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<14.8	50.0	08/27/24 10:17	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/27/24 10:17	
Diisopropyl ether	ug/kg	<12.4	50.0	08/27/24 10:17	
Ethylbenzene	ug/kg	<11.9	50.0	08/27/24 10:17	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/27/24 10:17	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/27/24 10:17	
m&p-Xylene	ug/kg	<21.1	100	08/27/24 10:17	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/27/24 10:17	
Methylene Chloride	ug/kg	<13.9	50.0	08/27/24 10:17	
n-Butylbenzene	ug/kg	<22.9	50.0	08/27/24 10:17	
n-Propylbenzene	ug/kg	<12.0	50.0	08/27/24 10:17	
Naphthalene	ug/kg	<21.0	250	08/27/24 10:17	
o-Xylene	ug/kg	<15.0	50.0	08/27/24 10:17	
p-Isopropyltoluene	ug/kg	<17.0	50.0	08/27/24 10:17	
sec-Butylbenzene	ug/kg	<17.2	50.0	08/27/24 10:17	
Styrene	ug/kg	<12.8	50.0	08/27/24 10:17	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/27/24 10:17	
Tetrachloroethene	ug/kg	<19.4	50.0	08/27/24 10:17	
Toluene	ug/kg	<12.6	50.0	08/27/24 10:17	
Total Trimethylbenzenes	ug/kg	<31.1	100	08/27/24 10:17	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	08/27/24 10:17	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/27/24 10:17	
Trichloroethene	ug/kg	<18.7	50.0	08/27/24 10:17	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/27/24 10:17	
Vinyl chloride	ug/kg	<10.1	50.0	08/27/24 10:17	
Xylene (Total)	ug/kg	<36.1	150	08/27/24 10:17	
1,2-Dichlorobenzene-d4 (S)	%	112	67-144	08/27/24 10:17	
4-Bromofluorobenzene (S)	%	113	72-142	08/27/24 10:17	
Toluene-d8 (S)	%	103	70-139	08/27/24 10:17	

LABORATORY CONTROL SAMPLE: 2765270

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2590	104	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2510	100	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2520	101	70-130	
1,1-Dichloroethane	ug/kg	2500	2610	105	70-130	
1,1-Dichloroethene	ug/kg	2500	2550	102	77-122	
1,2,4-Trichlorobenzene	ug/kg	2500	2380	95	66-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2240	89	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2610	105	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2570	103	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

LABORATORY CONTROL SAMPLE: 2765270

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/kg	2500	2640	106	70-130	
1,2-Dichloropropane	ug/kg	2500	2500	100	80-121	
1,3-Dichlorobenzene	ug/kg	2500	2610	104	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2620	105	70-130	
Benzene	ug/kg	2500	2550	102	70-130	
Bromodichloromethane	ug/kg	2500	2410	96	70-130	
Bromoform	ug/kg	2500	2080	83	67-130	
Bromomethane	ug/kg	2500	3140	126	25-150	
Carbon tetrachloride	ug/kg	2500	2400	96	72-136	
Chlorobenzene	ug/kg	2500	2610	104	70-130	
Chloroethane	ug/kg	2500	2920	117	20-178	
Chloroform	ug/kg	2500	2420	97	80-120	
Chloromethane	ug/kg	2500	2730	109	45-123	
cis-1,2-Dichloroethene	ug/kg	2500	2520	101	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2480	99	70-130	
Dibromochloromethane	ug/kg	2500	2200	88	70-130	
Dichlorodifluoromethane	ug/kg	2500	2220	89	14-106	
Ethylbenzene	ug/kg	2500	2640	105	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2530	101	70-130	
m&p-Xylene	ug/kg	5000	5200	104	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2350	94	70-130	
Methylene Chloride	ug/kg	2500	2500	100	70-130	
o-Xylene	ug/kg	2500	2590	104	70-130	
Styrene	ug/kg	2500	2750	110	70-130	
Tetrachloroethene	ug/kg	2500	2510	100	70-130	
Toluene	ug/kg	2500	2550	102	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2570	103	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2430	97	70-130	
Trichloroethene	ug/kg	2500	2500	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2370	95	49-141	
Vinyl chloride	ug/kg	2500	2590	104	59-120	
Xylene (Total)	ug/kg	7500	7790	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			107	67-144	
4-Bromofluorobenzene (S)	%			110	72-142	
Toluene-d8 (S)	%			104	70-139	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765271 2765272

Parameter	Units	40283153002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<21.2	1320	1340	1610	1590	122	119	56-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	<29.9	1320	1340	1620	1620	123	121	70-133	0	20	
1,1,2-Trichloroethane	ug/kg	<30.1	1320	1340	1670	1500	126	112	70-130	10	20	
1,1-Dichloroethane	ug/kg	<21.2	1320	1340	1840	1740	140	129	70-130	6	20	M1
1,1-Dichloroethene	ug/kg	<27.5	1320	1340	1640	1630	124	121	52-122	1	20	M1

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765271 2765272

Parameter	Units	40283153002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	<68.1	1320	1340	2050	1820	156	136	66-136	12	20	M1
1,2-Dibromo-3-chloropropane	ug/kg	<64.2	1320	1340	1700	1650	129	123	59-131	3	23	
1,2-Dibromoethane (EDB)	ug/kg	<22.7	1320	1340	1760	1670	133	124	70-130	5	20	M1
1,2-Dichlorobenzene	ug/kg	82.8	1320	1340	2250	1780	165	127	70-130	23	20	M1,R1
1,2-Dichloroethane	ug/kg	<19.0	1320	1340	1820	1750	138	131	70-130	4	20	M1
1,2-Dichloropropane	ug/kg	<19.7	1320	1340	1630	1640	124	122	77-121	1	20	M1
1,3-Dichlorobenzene	ug/kg	<22.7	1320	1340	1780	1710	135	127	70-130	4	20	M1
1,4-Dichlorobenzene	ug/kg	<22.7	1320	1340	1790	1740	136	130	70-130	3	20	M1
Benzene	ug/kg	<19.7	1320	1340	1730	1690	132	126	70-130	3	20	M1
Bromodichloromethane	ug/kg	<19.7	1320	1340	1560	1490	118	111	70-130	5	20	
Bromoform	ug/kg	<364	1320	1340	1270	1120	97	84	67-130	12	20	
Bromomethane	ug/kg	<116	1320	1340	2130	2200	161	164	25-150	3	20	M1
Carbon tetrachloride	ug/kg	<18.2	1320	1340	1480	1510	112	113	48-136	2	20	
Chlorobenzene	ug/kg	20.0J	1320	1340	1780	1700	133	126	70-130	4	20	M1
Chloroethane	ug/kg	<34.9	1320	1340	2140	1980	162	148	20-178	8	23	
Chloroform	ug/kg	<59.2	1320	1340	1760	1600	133	120	80-120	9	20	M1
Chloromethane	ug/kg	<31.4	1320	1340	1850	1780	140	133	23-132	4	20	M1
cis-1,2-Dichloroethene	ug/kg	<17.7	1320	1340	1730	1610	132	120	70-130	7	20	M1
cis-1,3-Dichloropropene	ug/kg	<54.6	1320	1340	1580	1560	120	116	70-130	1	20	
Dibromochloromethane	ug/kg	<283	1320	1340	1380	1330	105	99	70-130	4	20	
Dichlorodifluoromethane	ug/kg	<35.6	1320	1340	1400	1440	106	107	10-106	3	34	M1
Ethylbenzene	ug/kg	125	1320	1340	1900	1740	134	121	80-120	8	20	M1
Isopropylbenzene (Cumene)	ug/kg	<22.3	1320	1340	1810	1670	137	124	70-130	8	20	M1
m&p-Xylene	ug/kg	358	2640	2680	3860	3500	133	117	70-130	10	20	M1
Methyl-tert-butyl ether	ug/kg	<24.3	1320	1340	1570	1520	119	113	67-130	4	20	
Methylene Chloride	ug/kg	<23.0	1320	1340	1730	1650	131	123	70-130	4	20	M1
o-Xylene	ug/kg	316	1320	1340	2010	1780	128	109	70-130	12	20	
Styrene	ug/kg	<21.2	1320	1340	1860	1740	141	129	70-130	7	20	M1
Tetrachloroethene	ug/kg	<32.1	1320	1340	1690	1560	128	116	70-130	8	20	
Toluene	ug/kg	39.5J	1320	1340	1760	1650	130	120	80-120	6	20	M1
trans-1,2-Dichloroethene	ug/kg	<18.1	1320	1340	1740	1590	132	119	70-130	9	20	M1
trans-1,3-Dichloropropene	ug/kg	<236	1320	1340	1560	1490	118	111	70-130	4	20	
Trichloroethene	ug/kg	<30.9	1320	1340	1690	1650	129	123	70-130	3	20	
Trichlorofluoromethane	ug/kg	<24.0	1320	1340	1770	1610	134	120	21-141	9	28	
Vinyl chloride	ug/kg	<16.7	1320	1340	1830	1780	138	133	29-120	3	20	M1
Xylene (Total)	ug/kg	673	3950	4020	5870	5280	131	114	70-130	11	20	MS
1,2-Dichlorobenzene-d4 (S)	%						137	127	67-144			
4-Bromofluorobenzene (S)	%						142	135	72-142			
Toluene-d8 (S)	%						130	118	70-139			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 482958
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117017, 40283117018, 40283117019, 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

METHOD BLANK: 2765483 Matrix: Solid
Associated Lab Samples: 40283117017, 40283117018, 40283117019, 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/27/24 17:52	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/27/24 17:52	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/27/24 17:52	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/27/24 17:52	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/27/24 17:52	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/27/24 17:52	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/27/24 17:52	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/27/24 17:52	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/27/24 17:52	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/27/24 17:52	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/27/24 17:52	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/27/24 17:52	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/27/24 17:52	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	08/27/24 17:52	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/27/24 17:52	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/27/24 17:52	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/27/24 17:52	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	08/27/24 17:52	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/27/24 17:52	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	08/27/24 17:52	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/27/24 17:52	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/27/24 17:52	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/27/24 17:52	
Benzene	ug/kg	<11.9	20.0	08/27/24 17:52	
Bromobenzene	ug/kg	<19.5	50.0	08/27/24 17:52	
Bromochloromethane	ug/kg	<13.7	50.0	08/27/24 17:52	
Bromodichloromethane	ug/kg	<11.9	50.0	08/27/24 17:52	
Bromoform	ug/kg	<220	250	08/27/24 17:52	
Bromomethane	ug/kg	<70.1	250	08/27/24 17:52	v1
Carbon tetrachloride	ug/kg	<11.0	50.0	08/27/24 17:52	
Chlorobenzene	ug/kg	<6.0	50.0	08/27/24 17:52	
Chloroethane	ug/kg	<21.1	250	08/27/24 17:52	v1
Chloroform	ug/kg	<35.8	250	08/27/24 17:52	
Chloromethane	ug/kg	<19.0	50.0	08/27/24 17:52	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/27/24 17:52	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/27/24 17:52	
Dibromochloromethane	ug/kg	<171	250	08/27/24 17:52	
Dibromomethane	ug/kg	<14.8	50.0	08/27/24 17:52	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/27/24 17:52	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

METHOD BLANK: 2765483 Matrix: Solid

Associated Lab Samples: 40283117017, 40283117018, 40283117019, 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<12.4	50.0	08/27/24 17:52	
Ethylbenzene	ug/kg	<11.9	50.0	08/27/24 17:52	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/27/24 17:52	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/27/24 17:52	
m&p-Xylene	ug/kg	<21.1	100	08/27/24 17:52	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/27/24 17:52	
Methylene Chloride	ug/kg	<13.9	50.0	08/27/24 17:52	
n-Butylbenzene	ug/kg	<22.9	50.0	08/27/24 17:52	
n-Propylbenzene	ug/kg	<12.0	50.0	08/27/24 17:52	
Naphthalene	ug/kg	<21.0	250	08/27/24 17:52	
o-Xylene	ug/kg	<15.0	50.0	08/27/24 17:52	
p-Isopropyltoluene	ug/kg	<17.0	50.0	08/27/24 17:52	
sec-Butylbenzene	ug/kg	<17.2	50.0	08/27/24 17:52	
Styrene	ug/kg	<12.8	50.0	08/27/24 17:52	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/27/24 17:52	
Tetrachloroethene	ug/kg	<19.4	50.0	08/27/24 17:52	
Toluene	ug/kg	<12.6	50.0	08/27/24 17:52	
Total Trimethylbenzenes	ug/kg	<31.1	100	08/27/24 17:52	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	08/27/24 17:52	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/27/24 17:52	
Trichloroethene	ug/kg	<18.7	50.0	08/27/24 17:52	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/27/24 17:52	
Vinyl chloride	ug/kg	<10.1	50.0	08/27/24 17:52	
Xylene (Total)	ug/kg	<36.1	150	08/27/24 17:52	
1,2-Dichlorobenzene-d4 (S)	%	103	67-144	08/27/24 17:52	
4-Bromofluorobenzene (S)	%	110	72-142	08/27/24 17:52	
Toluene-d8 (S)	%	100	70-139	08/27/24 17:52	

LABORATORY CONTROL SAMPLE: 2765484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2450	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2450	98	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2620	105	70-130	
1,1-Dichloroethane	ug/kg	2500	2640	106	70-130	
1,1-Dichloroethene	ug/kg	2500	2520	101	77-122	
1,2,4-Trichlorobenzene	ug/kg	2500	2280	91	66-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2330	93	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2600	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2540	101	70-130	
1,2-Dichloroethane	ug/kg	2500	2770	111	70-130	
1,2-Dichloropropane	ug/kg	2500	2500	100	80-121	
1,3-Dichlorobenzene	ug/kg	2500	2550	102	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

LABORATORY CONTROL SAMPLE: 2765484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/kg	2500	2550	102	70-130	
Benzene	ug/kg	2500	2590	104	70-130	
Bromodichloromethane	ug/kg	2500	2360	94	70-130	
Bromoform	ug/kg	2500	1960	78	67-130	
Bromomethane	ug/kg	2500	3270	131	25-150	v1
Carbon tetrachloride	ug/kg	2500	2400	96	72-136	
Chlorobenzene	ug/kg	2500	2590	104	70-130	
Chloroethane	ug/kg	2500	3110	124	20-178	v1
Chloroform	ug/kg	2500	2420	97	80-120	
Chloromethane	ug/kg	2500	2760	111	45-123	
cis-1,2-Dichloroethene	ug/kg	2500	2480	99	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2440	98	70-130	
Dibromochloromethane	ug/kg	2500	2130	85	70-130	
Dichlorodifluoromethane	ug/kg	2500	2250	90	14-106	
Ethylbenzene	ug/kg	2500	2620	105	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2510	100	70-130	
m&p-Xylene	ug/kg	5000	5140	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2350	94	70-130	
Methylene Chloride	ug/kg	2500	2660	106	70-130	
o-Xylene	ug/kg	2500	2540	101	70-130	
Styrene	ug/kg	2500	2700	108	70-130	
Tetrachloroethene	ug/kg	2500	2410	97	70-130	
Toluene	ug/kg	2500	2530	101	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2560	102	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2340	94	70-130	
Trichloroethene	ug/kg	2500	2580	103	70-130	
Trichlorofluoromethane	ug/kg	2500	2520	101	49-141	
Vinyl chloride	ug/kg	2500	2630	105	59-120	
Xylene (Total)	ug/kg	7500	7670	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			108	67-144	
4-Bromofluorobenzene (S)	%			109	72-142	
Toluene-d8 (S)	%			103	70-139	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765485 2765486

Parameter	Units	40283117021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<17.7	1380	1380	1160	1120	84	81	56-130	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1380	1380	1400	1180	102	86	70-133	17	20	
1,1,2-Trichloroethane	ug/kg	<25.1	1380	1380	1380	1190	100	86	70-130	15	20	
1,1-Dichloroethane	ug/kg	<17.7	1380	1380	1370	1380	99	100	70-130	0	20	
1,1-Dichloroethene	ug/kg	<22.9	1380	1380	1080	1120	78	81	52-122	4	20	
1,2,4-Trichlorobenzene	ug/kg	<56.9	1380	1380	1750	1440	127	105	66-136	19	20	
1,2-Dibromo-3-chloropropane	ug/kg	<53.6	1380	1380	1510	1300	110	94	59-131	16	23	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765485 2765486

Parameter	Units	40283117021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/kg	<18.9	1380	1380	1390	1240	101	90	70-130	12	20	
1,2-Dichlorobenzene	ug/kg	<21.4	1380	1380	1530	1360	111	99	70-130	12	20	
1,2-Dichloroethane	ug/kg	<15.9	1380	1380	1490	1420	108	103	70-130	5	20	
1,2-Dichloropropane	ug/kg	<16.4	1380	1380	1360	1300	99	94	77-121	4	20	
1,3-Dichlorobenzene	ug/kg	<18.9	1380	1380	1490	1390	108	100	70-130	8	20	
1,4-Dichlorobenzene	ug/kg	<18.9	1380	1380	1540	1360	112	99	70-130	12	20	
Benzene	ug/kg	<16.4	1380	1380	1340	1310	97	95	70-130	3	20	
Bromodichloromethane	ug/kg	<16.4	1380	1380	1260	1190	91	87	70-130	5	20	
Bromoform	ug/kg	<304	1380	1380	1060	895	77	65	67-130	17	20	M1
Bromomethane	ug/kg	<96.8	1380	1380	1800	1750	130	126	25-150	3	20	v1
Carbon tetrachloride	ug/kg	<15.2	1380	1380	967	944	70	68	48-136	2	20	
Chlorobenzene	ug/kg	<8.3	1380	1380	1420	1350	103	98	70-130	6	20	
Chloroethane	ug/kg	<29.1	1380	1380	1580	1640	115	119	20-178	3	23	v1
Chloroform	ug/kg	<49.4	1380	1380	1340	1310	97	95	80-120	2	20	
Chloromethane	ug/kg	<26.2	1380	1380	1670	1630	121	118	23-132	3	20	
cis-1,2-Dichloroethene	ug/kg	<14.8	1380	1380	1310	1280	95	93	70-130	3	20	
cis-1,3-Dichloropropene	ug/kg	<45.6	1380	1380	1240	1170	90	85	70-130	6	20	
Dibromochloromethane	ug/kg	<236	1380	1380	1130	1000	82	73	70-130	12	20	
Dichlorodifluoromethane	ug/kg	<29.7	1380	1380	1400	1260	101	91	10-106	10	34	
Ethylbenzene	ug/kg	<16.4	1380	1380	1390	1340	101	97	80-120	4	20	
Isopropylbenzene (Cumene)	ug/kg	<18.6	1380	1380	1390	1290	100	94	70-130	7	20	
m&p-Xylene	ug/kg	<29.1	2760	2760	2700	2570	98	93	70-130	5	20	
Methyl-tert-butyl ether	ug/kg	<20.3	1380	1380	1310	1120	95	81	67-130	15	20	
Methylene Chloride	ug/kg	<19.2	1380	1380	1370	1350	99	98	70-130	1	20	
o-Xylene	ug/kg	<20.7	1380	1380	1390	1300	101	94	70-130	7	20	
Styrene	ug/kg	<17.7	1380	1380	1520	1350	110	98	70-130	12	20	
Tetrachloroethene	ug/kg	<26.8	1380	1380	1190	1130	86	82	70-130	5	20	
Toluene	ug/kg	<17.4	1380	1380	1340	1250	97	91	80-120	7	20	
trans-1,2-Dichloroethene	ug/kg	<15.1	1380	1380	1260	1230	91	89	70-130	3	20	
trans-1,3-Dichloropropene	ug/kg	<197	1380	1380	1220	1130	89	82	70-130	8	20	
Trichloroethene	ug/kg	<25.8	1380	1380	1280	1270	93	92	70-130	1	20	
Trichlorofluoromethane	ug/kg	<20.0	1380	1380	1120	1070	81	77	21-141	5	28	
Vinyl chloride	ug/kg	<13.9	1380	1380	1300	1270	94	92	29-120	2	20	
Xylene (Total)	ug/kg	<49.8	4140	4140	4100	3870	99	93	70-130	6	20	
1,2-Dichlorobenzene-d4 (S)	%						124	120	67-144			
4-Bromofluorobenzene (S)	%						127	123	72-142			
Toluene-d8 (S)	%						118	113	70-139			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 483026
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117025

METHOD BLANK: 2765732 Matrix: Solid
Associated Lab Samples: 40283117025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/28/24 12:06	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/28/24 12:06	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/28/24 12:06	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/28/24 12:06	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/28/24 12:06	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/28/24 12:06	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/28/24 12:06	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/28/24 12:06	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/28/24 12:06	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/28/24 12:06	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/28/24 12:06	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/28/24 12:06	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/28/24 12:06	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	08/28/24 12:06	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/28/24 12:06	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/28/24 12:06	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/28/24 12:06	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	08/28/24 12:06	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/28/24 12:06	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	08/28/24 12:06	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/28/24 12:06	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/28/24 12:06	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/28/24 12:06	
Benzene	ug/kg	<11.9	20.0	08/28/24 12:06	
Bromobenzene	ug/kg	<19.5	50.0	08/28/24 12:06	
Bromochloromethane	ug/kg	<13.7	50.0	08/28/24 12:06	
Bromodichloromethane	ug/kg	<11.9	50.0	08/28/24 12:06	
Bromoform	ug/kg	<220	250	08/28/24 12:06	
Bromomethane	ug/kg	<70.1	250	08/28/24 12:06	v1
Carbon tetrachloride	ug/kg	<11.0	50.0	08/28/24 12:06	
Chlorobenzene	ug/kg	<6.0	50.0	08/28/24 12:06	
Chloroethane	ug/kg	<21.1	250	08/28/24 12:06	v1
Chloroform	ug/kg	<35.8	250	08/28/24 12:06	
Chloromethane	ug/kg	<19.0	50.0	08/28/24 12:06	v1
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/28/24 12:06	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/28/24 12:06	
Dibromochloromethane	ug/kg	<171	250	08/28/24 12:06	
Dibromomethane	ug/kg	<14.8	50.0	08/28/24 12:06	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/28/24 12:06	
Diisopropyl ether	ug/kg	<12.4	50.0	08/28/24 12:06	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

METHOD BLANK: 2765732 Matrix: Solid
Associated Lab Samples: 40283117025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	08/28/24 12:06	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/28/24 12:06	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/28/24 12:06	
m&p-Xylene	ug/kg	<21.1	100	08/28/24 12:06	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/28/24 12:06	
Methylene Chloride	ug/kg	<13.9	50.0	08/28/24 12:06	
n-Butylbenzene	ug/kg	<22.9	50.0	08/28/24 12:06	
n-Propylbenzene	ug/kg	<12.0	50.0	08/28/24 12:06	
Naphthalene	ug/kg	<21.0	250	08/28/24 12:06	
o-Xylene	ug/kg	<15.0	50.0	08/28/24 12:06	
p-Isopropyltoluene	ug/kg	<17.0	50.0	08/28/24 12:06	
sec-Butylbenzene	ug/kg	<17.2	50.0	08/28/24 12:06	
Styrene	ug/kg	<12.8	50.0	08/28/24 12:06	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/28/24 12:06	
Tetrachloroethene	ug/kg	<19.4	50.0	08/28/24 12:06	
Toluene	ug/kg	<12.6	50.0	08/28/24 12:06	
Total Trimethylbenzenes	ug/kg	<31.1	100	08/28/24 12:06	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	08/28/24 12:06	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/28/24 12:06	
Trichloroethene	ug/kg	<18.7	50.0	08/28/24 12:06	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/28/24 12:06	
Vinyl chloride	ug/kg	<10.1	50.0	08/28/24 12:06	v1
Xylene (Total)	ug/kg	<36.1	150	08/28/24 12:06	
1,2-Dichlorobenzene-d4 (S)	%	101	67-144	08/28/24 12:06	
4-Bromofluorobenzene (S)	%	107	72-142	08/28/24 12:06	
Toluene-d8 (S)	%	96	70-139	08/28/24 12:06	

LABORATORY CONTROL SAMPLE: 2765733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2460	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2500	100	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2500	100	70-130	
1,1-Dichloroethane	ug/kg	2500	2730	109	70-130	
1,1-Dichloroethene	ug/kg	2500	2580	103	77-122	
1,2,4-Trichlorobenzene	ug/kg	2500	2370	95	66-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2230	89	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2540	102	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2600	104	70-130	
1,2-Dichloroethane	ug/kg	2500	2680	107	70-130	
1,2-Dichloropropane	ug/kg	2500	2550	102	80-121	
1,3-Dichlorobenzene	ug/kg	2500	2520	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2610	105	70-130	
Benzene	ug/kg	2500	2570	103	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

LABORATORY CONTROL SAMPLE: 2765733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/kg	2500	2340	93	70-130	
Bromoform	ug/kg	2500	1930	77	67-130	
Bromomethane	ug/kg	2500	3220	129	25-150	v1
Carbon tetrachloride	ug/kg	2500	2430	97	72-136	
Chlorobenzene	ug/kg	2500	2580	103	70-130	
Chloroethane	ug/kg	2500	3240	129	20-178	v1
Chloroform	ug/kg	2500	2450	98	80-120	
Chloromethane	ug/kg	2500	2730	109	45-123	v1
cis-1,2-Dichloroethene	ug/kg	2500	2480	99	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2410	97	70-130	
Dibromochloromethane	ug/kg	2500	2080	83	70-130	
Dichlorodifluoromethane	ug/kg	2500	2160	87	14-106	
Ethylbenzene	ug/kg	2500	2630	105	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2590	103	70-130	
m&p-Xylene	ug/kg	5000	5210	104	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2260	91	70-130	
Methylene Chloride	ug/kg	2500	2530	101	70-130	
o-Xylene	ug/kg	2500	2560	102	70-130	
Styrene	ug/kg	2500	2730	109	70-130	
Tetrachloroethene	ug/kg	2500	2480	99	70-130	
Toluene	ug/kg	2500	2560	102	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2520	101	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Trichloroethene	ug/kg	2500	2570	103	70-130	
Trichlorofluoromethane	ug/kg	2500	2470	99	49-141	
Vinyl chloride	ug/kg	2500	2650	106	59-120	v1
Xylene (Total)	ug/kg	7500	7770	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			106	67-144	
4-Bromofluorobenzene (S)	%			112	72-142	
Toluene-d8 (S)	%			103	70-139	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765734 2765735

Parameter	Units	40283031021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<56.6	1240	1240	1070	1110	86	90	56-130	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	<80.1	1240	1240	1260	1220	102	99	70-133	3	20	
1,1,2-Trichloroethane	ug/kg	<80.5	1240	1240	1160	1230	94	100	70-130	6	20	
1,1-Dichloroethane	ug/kg	<56.6	1240	1240	1330	1390	107	112	70-130	4	20	
1,1-Dichloroethene	ug/kg	<73.4	1240	1240	1080	1140	87	93	52-122	6	20	
1,2,4-Trichlorobenzene	ug/kg	<182	1240	1240	1630	1420	132	115	66-136	14	20	
1,2-Dibromo-3-chloropropane	ug/kg	<172	1240	1240	1270	1130	103	91	59-131	12	23	
1,2-Dibromoethane (EDB)	ug/kg	<60.6	1240	1240	1250	1250	101	101	70-130	0	20	
1,2-Dichlorobenzene	ug/kg	<68.6	1240	1240	1450	1420	117	115	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765734 2765735

Parameter	Units	40283031021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/kg	<50.9	1240	1240	1310	1300	106	105	70-130	0	20	
1,2-Dichloropropane	ug/kg	<52.6	1240	1240	1290	1210	104	98	77-121	6	20	
1,3-Dichlorobenzene	ug/kg	<60.6	1240	1240	1420	1380	114	112	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	<60.6	1240	1240	1450	1420	117	115	70-130	2	20	
Benzene	ug/kg	<52.6	1240	1240	1260	1280	102	104	70-130	1	20	
Bromodichloromethane	ug/kg	<52.6	1240	1240	1130	1090	92	88	70-130	4	20	
Bromoform	ug/kg	<973	1240	1240	942	969	76	78	67-130	3	20	
Bromomethane	ug/kg	<310	1240	1240	1520	1680	123	136	25-150	10	20	v1
Carbon tetrachloride	ug/kg	<48.7	1240	1240	946	970	76	78	48-136	3	20	
Chlorobenzene	ug/kg	<26.5	1240	1240	1350	1340	109	108	70-130	1	20	
Chloroethane	ug/kg	<93.3	1240	1240	1480	1620	120	131	20-178	9	23	v1
Chloroform	ug/kg	<158	1240	1240	1210	1250	98	101	80-120	3	20	
Chloromethane	ug/kg	<84.1	1240	1240	1550	1560	125	126	23-132	1	20	v1
cis-1,2-Dichloroethene	ug/kg	<47.3	1240	1240	1270	1260	102	102	70-130	1	20	
cis-1,3-Dichloropropene	ug/kg	<146	1240	1240	1170	1100	95	89	70-130	6	20	
Dibromochloromethane	ug/kg	<756	1240	1240	1010	968	81	78	70-130	4	20	
Dichlorodifluoromethane	ug/kg	<95.1	1240	1240	1220	1360	99	110	10-106	11	34	M1
Ethylbenzene	ug/kg	<52.6	1240	1240	1310	1330	106	108	80-120	1	20	
Isopropylbenzene (Cumene)	ug/kg	<59.7	1240	1240	1350	1330	109	107	70-130	2	20	
m&p-Xylene	ug/kg	<93.3	2470	2470	2600	2560	105	103	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<65.0	1240	1240	1100	1090	89	88	67-130	1	20	
Methylene Chloride	ug/kg	<61.5	1240	1240	1290	1270	105	103	70-130	2	20	
o-Xylene	ug/kg	<66.4	1240	1240	1330	1310	107	106	70-130	1	20	
Styrene	ug/kg	<56.6	1240	1240	1420	1400	115	113	70-130	1	20	
Tetrachloroethene	ug/kg	15400	1240	1240	19200	20100	162	234	70-130	5	20	E
Toluene	ug/kg	<55.7	1240	1240	1220	1280	99	103	80-120	5	20	
trans-1,2-Dichloroethene	ug/kg	<48.4	1240	1240	1220	1240	99	100	70-130	2	20	
trans-1,3-Dichloropropene	ug/kg	<633	1240	1240	1150	1100	93	89	70-130	4	20	
Trichloroethene	ug/kg	<82.7	1240	1240	1200	1210	97	98	70-130	1	20	
Trichlorofluoromethane	ug/kg	<64.1	1240	1240	1040	1170	84	95	21-141	12	28	
Vinyl chloride	ug/kg	<44.7	1240	1240	1290	1310	104	106	29-120	1	20	v1
Xylene (Total)	ug/kg	<160	3710	3710	3930	3870	106	104	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						127	128	67-144			
4-Bromofluorobenzene (S)	%						132	132	72-142			
Toluene-d8 (S)	%						122	122	70-139			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 483049
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008

METHOD BLANK: 2765819 Matrix: Solid
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	08/28/24 18:40	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	08/28/24 18:40	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	08/28/24 18:40	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	08/28/24 18:40	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	08/28/24 18:40	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	08/28/24 18:40	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	08/28/24 18:40	
Decachlorobiphenyl (S)	%	71	55-120	08/28/24 18:40	
Tetrachloro-m-xylene (S)	%	83	65-120	08/28/24 18:40	

LABORATORY CONTROL SAMPLE: 2765820

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	386	77	68-120	
Decachlorobiphenyl (S)	%			71	55-120	
Tetrachloro-m-xylene (S)	%			81	65-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765821 2765822

Parameter	Units	40283117002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1221 (Aroclor 1221)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1232 (Aroclor 1232)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1242 (Aroclor 1242)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1248 (Aroclor 1248)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1254 (Aroclor 1254)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1260 (Aroclor 1260)	ug/kg	<15.8	520	520	437	427	84	82	45-126	2	20	
Decachlorobiphenyl (S)	%						75	74	55-120			
Tetrachloro-m-xylene (S)	%						86	81	65-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 483157
QC Batch Method: EPA 3541
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019, 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

METHOD BLANK: 2766230 Matrix: Solid
Associated Lab Samples: 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019, 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	08/29/24 13:24	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	08/29/24 13:24	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	08/29/24 13:24	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	08/29/24 13:24	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	08/29/24 13:24	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	08/29/24 13:24	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	08/29/24 13:24	
Decachlorobiphenyl (S)	%	78	55-120	08/29/24 13:24	
Tetrachloro-m-xylene (S)	%	88	65-120	08/29/24 13:24	

LABORATORY CONTROL SAMPLE: 2766231

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	398	80	68-120	
Decachlorobiphenyl (S)	%			68	55-120	
Tetrachloro-m-xylene (S)	%			82	65-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2766232 2766233

Parameter	Units	40283117017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<15.8			<15.7	<15.8					20	
PCB-1221 (Aroclor 1221)	ug/kg	<15.8			<15.7	<15.8					20	
PCB-1232 (Aroclor 1232)	ug/kg	<15.8			<15.7	<15.8					20	
PCB-1242 (Aroclor 1242)	ug/kg	<15.8			<15.7	<15.8					20	
PCB-1248 (Aroclor 1248)	ug/kg	<15.8			<15.7	<15.8					20	
PCB-1254 (Aroclor 1254)	ug/kg	<15.8			<15.7	<15.8					20	
PCB-1260 (Aroclor 1260)	ug/kg	<15.8	517	517	396	435	77	84	45-126	9	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2766232 2766233

Parameter	Units	40283117017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Decachlorobiphenyl (S)	%						66	73	55-120			
Tetrachloro-m-xylene (S)	%						78	85	65-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 482896
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019

METHOD BLANK: 2765174 Matrix: Solid
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/27/24 10:25	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/27/24 10:25	
Acenaphthene	ug/kg	<2.2	16.7	08/27/24 10:25	
Acenaphthylene	ug/kg	<2.1	16.7	08/27/24 10:25	
Anthracene	ug/kg	<2.1	16.7	08/27/24 10:25	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/27/24 10:25	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/27/24 10:25	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/27/24 10:25	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/27/24 10:25	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/27/24 10:25	
Chrysene	ug/kg	<3.1	16.7	08/27/24 10:25	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/27/24 10:25	
Fluoranthene	ug/kg	<2.0	16.7	08/27/24 10:25	
Fluorene	ug/kg	<2.0	16.7	08/27/24 10:25	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/27/24 10:25	
Naphthalene	ug/kg	<1.6	16.7	08/27/24 10:25	
Phenanthrene	ug/kg	<1.9	16.7	08/27/24 10:25	
Pyrene	ug/kg	<2.5	16.7	08/27/24 10:25	
2-Fluorobiphenyl (S)	%	87	39-120	08/27/24 10:25	
Terphenyl-d14 (S)	%	93	36-120	08/27/24 10:25	

LABORATORY CONTROL SAMPLE: 2765175

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	275	83	62-120	
2-Methylnaphthalene	ug/kg	333	278	83	61-120	
Acenaphthene	ug/kg	333	273	82	66-120	
Acenaphthylene	ug/kg	333	304	91	63-120	
Anthracene	ug/kg	333	299	90	72-120	
Benzo(a)anthracene	ug/kg	333	272	82	64-120	
Benzo(a)pyrene	ug/kg	333	317	95	76-120	
Benzo(b)fluoranthene	ug/kg	333	319	96	62-120	
Benzo(g,h,i)perylene	ug/kg	333	375	112	73-120	
Benzo(k)fluoranthene	ug/kg	333	348	105	69-120	
Chrysene	ug/kg	333	305	92	70-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

LABORATORY CONTROL SAMPLE: 2765175

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	ug/kg	333	362	109	72-120	
Fluoranthene	ug/kg	333	320	96	71-120	
Fluorene	ug/kg	333	284	85	68-120	
Indeno(1,2,3-cd)pyrene	ug/kg	333	356	107	72-120	
Naphthalene	ug/kg	333	252	75	60-120	
Phenanthrene	ug/kg	333	298	89	66-120	
Pyrene	ug/kg	333	277	83	65-120	
2-Fluorobiphenyl (S)	%			91	39-120	
Terphenyl-d14 (S)	%			88	36-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765176 2765177

Parameter	Units	40283117004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<2.5	342	342	291	292	85	85	50-120	0	34	
2-Methylnaphthalene	ug/kg	<2.5	342	342	294	295	86	86	48-120	0	29	
Acenaphthene	ug/kg	<2.2	342	342	290	289	85	85	51-120	0	26	
Acenaphthylene	ug/kg	<2.2	342	342	322	321	94	94	49-120	0	22	
Anthracene	ug/kg	<2.1	342	342	310	312	91	91	52-120	0	25	
Benzo(a)anthracene	ug/kg	<2.2	342	342	284	278	83	81	47-120	2	37	
Benzo(a)pyrene	ug/kg	<1.9	342	342	320	316	93	92	53-120	1	33	
Benzo(b)fluoranthene	ug/kg	<2.4	342	342	324	322	95	94	43-120	1	43	
Benzo(g,h,i)perylene	ug/kg	<3.0	342	342	359	351	105	103	38-120	2	36	
Benzo(k)fluoranthene	ug/kg	<2.2	342	342	357	351	104	103	49-120	2	30	
Chrysene	ug/kg	<3.2	342	342	293	289	86	85	45-120	1	28	
Dibenz(a,h)anthracene	ug/kg	<2.4	342	342	347	341	102	100	41-120	2	33	
Fluoranthene	ug/kg	<2.0	342	342	332	332	97	97	50-120	0	43	
Fluorene	ug/kg	<2.1	342	342	300	299	88	87	47-120	0	27	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.6	342	342	343	334	100	98	35-120	3	33	
Naphthalene	ug/kg	<1.7	342	342	267	273	78	80	42-120	2	26	
Phenanthrene	ug/kg	<2.0	342	342	290	291	85	85	45-120	0	24	
Pyrene	ug/kg	<2.5	342	342	292	289	85	84	42-120	1	41	
2-Fluorobiphenyl (S)	%						92	92	39-120			
Terphenyl-d14 (S)	%						87	85	36-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 483021
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

METHOD BLANK: 2765718 Matrix: Solid
Associated Lab Samples: 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/28/24 10:16	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/28/24 10:16	
Acenaphthene	ug/kg	<2.2	16.7	08/28/24 10:16	
Acenaphthylene	ug/kg	<2.1	16.7	08/28/24 10:16	
Anthracene	ug/kg	<2.1	16.7	08/28/24 10:16	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/28/24 10:16	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/28/24 10:16	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/28/24 10:16	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/28/24 10:16	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/28/24 10:16	
Chrysene	ug/kg	<3.1	16.7	08/28/24 10:16	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/28/24 10:16	
Fluoranthene	ug/kg	<2.0	16.7	08/28/24 10:16	
Fluorene	ug/kg	<2.0	16.7	08/28/24 10:16	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/28/24 10:16	
Naphthalene	ug/kg	<1.6	16.7	08/28/24 10:16	
Phenanthrene	ug/kg	<1.9	16.7	08/28/24 10:16	
Pyrene	ug/kg	<2.5	16.7	08/28/24 10:16	
2-Fluorobiphenyl (S)	%	76	39-120	08/28/24 10:16	
Terphenyl-d14 (S)	%	87	36-120	08/28/24 10:16	

LABORATORY CONTROL SAMPLE: 2765719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	257	77	62-120	
2-Methylnaphthalene	ug/kg	334	259	77	61-120	
Acenaphthene	ug/kg	334	256	77	66-120	
Acenaphthylene	ug/kg	334	285	85	63-120	
Anthracene	ug/kg	334	276	83	72-120	
Benzo(a)anthracene	ug/kg	334	246	74	64-120	
Benzo(a)pyrene	ug/kg	334	282	85	76-120	
Benzo(b)fluoranthene	ug/kg	334	282	85	62-120	
Benzo(g,h,i)perylene	ug/kg	334	342	102	73-120	
Benzo(k)fluoranthene	ug/kg	334	313	94	69-120	
Chrysene	ug/kg	334	257	77	70-120	
Dibenz(a,h)anthracene	ug/kg	334	327	98	72-120	
Fluoranthene	ug/kg	334	294	88	71-120	
Fluorene	ug/kg	334	264	79	68-120	
Indeno(1,2,3-cd)pyrene	ug/kg	334	321	96	72-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

LABORATORY CONTROL SAMPLE: 2765719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	334	234	70	60-120	
Phenanthrene	ug/kg	334	257	77	66-120	
Pyrene	ug/kg	334	253	76	65-120	
2-Fluorobiphenyl (S)	%			85	39-120	
Terphenyl-d14 (S)	%			74	36-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765720 2765721

Parameter	Units	40283117021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<2.9	398	396	293	289	74	73	50-120	1	34	
2-Methylnaphthalene	ug/kg	<2.9	398	396	295	291	74	73	48-120	1	29	
Acenaphthene	ug/kg	<2.6	398	396	285	287	72	72	51-120	0	26	
Acenaphthylene	ug/kg	<2.5	398	396	321	320	81	81	49-120	0	22	
Anthracene	ug/kg	<2.5	398	396	304	311	76	79	52-120	3	25	
Benzo(a)anthracene	ug/kg	<2.6	398	396	272	277	69	70	47-120	2	37	
Benzo(a)pyrene	ug/kg	<2.3	398	396	305	312	77	79	53-120	2	33	
Benzo(b)fluoranthene	ug/kg	<2.8	398	396	307	312	77	79	43-120	1	43	
Benzo(g,h,i)perylene	ug/kg	<3.5	398	396	361	341	91	86	38-120	6	36	
Benzo(k)fluoranthene	ug/kg	<2.5	398	396	337	346	85	87	49-120	3	30	
Chrysene	ug/kg	<3.7	398	396	285	289	72	73	45-120	1	28	
Dibenz(a,h)anthracene	ug/kg	<2.8	398	396	349	354	88	89	41-120	1	33	
Fluoranthene	ug/kg	<2.4	398	396	324	331	81	83	50-120	2	43	
Fluorene	ug/kg	<2.4	398	396	293	295	74	74	47-120	1	27	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.1	398	396	341	346	86	87	35-120	1	33	
Naphthalene	ug/kg	<1.9	398	396	269	265	68	67	42-120	2	26	
Phenanthrene	ug/kg	<2.3	398	396	284	290	71	73	45-120	2	24	
Pyrene	ug/kg	<2.9	398	396	283	287	71	72	42-120	1	41	
2-Fluorobiphenyl (S)	%						68	65	39-120			
Terphenyl-d14 (S)	%						62	61	36-120			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 482999
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117001, 40283117002, 40283117003, 40283117004, 40283117005, 40283117006, 40283117007, 40283117008, 40283117009, 40283117010, 40283117011, 40283117012, 40283117013, 40283117014, 40283117015, 40283117016, 40283117017, 40283117018, 40283117019

SAMPLE DUPLICATE: 2765639

Parameter	Units	40283094001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.2	24.7	10	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Commonwealth - Wausau
Pace Project No.: 40283117

QC Batch: 483051
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40283117020, 40283117021, 40283117022, 40283117023, 40283117024

SAMPLE DUPLICATE: 2765823

Parameter	Units	40283020001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.3	17.5	4	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Commonwealth - Wausau
Pace Project No.: 40283117

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.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40283117001	**SB-1 (0-4')**	EPA 3541	483049	EPA 8082A	483054
40283117002	**SB-1 (4-8')**	EPA 3541	483049	EPA 8082A	483054
40283117003	**SB-1 (8-12')**	EPA 3541	483049	EPA 8082A	483054
40283117004	**SB-1 (38-40')**	EPA 3541	483049	EPA 8082A	483054
40283117005	**SB-1 (48')**	EPA 3541	483049	EPA 8082A	483054
40283117006	**SB-2 (1-4')**	EPA 3541	483049	EPA 8082A	483054
40283117007	**SB-2 (4-8')**	EPA 3541	483049	EPA 8082A	483054
40283117008	**SB-2 (8-12')**	EPA 3541	483049	EPA 8082A	483054
40283117009	**SB-2 (40-42')**	EPA 3541	483157	EPA 8082A	483159
40283117010	**SB-2 (48')**	EPA 3541	483157	EPA 8082A	483159
40283117011	**SB-3 (0-4')**	EPA 3541	483157	EPA 8082A	483159
40283117012	**SB-3 (4-8')**	EPA 3541	483157	EPA 8082A	483159
40283117013	**SB-3 (8-12')**	EPA 3541	483157	EPA 8082A	483159
40283117014	**SB-3 (40')**	EPA 3541	483157	EPA 8082A	483159
40283117015	**SB-3 (48')**	EPA 3541	483157	EPA 8082A	483159
40283117016	**SB-4 (0-4')**	EPA 3541	483157	EPA 8082A	483159
40283117017	**SB-4 (30')**	EPA 3541	483157	EPA 8082A	483159
40283117018	**SB-4 (48')**	EPA 3541	483157	EPA 8082A	483159
40283117019	**SB-5 (0-4')**	EPA 3541	483157	EPA 8082A	483159
40283117020	**SB-5 (28')**	EPA 3541	483157	EPA 8082A	483159
40283117021	**SB-5 (48')**	EPA 3541	483157	EPA 8082A	483159
40283117022	**SB-6 (0-4')**	EPA 3541	483157	EPA 8082A	483159
40283117023	**SB-6 (8')**	EPA 3541	483157	EPA 8082A	483159
40283117024	**SB-6 (48')**	EPA 3541	483157	EPA 8082A	483159
40283117001	**SB-1 (0-4')**	EPA 3050B	482758	EPA 6010D	482986
40283117002	**SB-1 (4-8')**	EPA 3050B	482758	EPA 6010D	482986
40283117003	**SB-1 (8-12')**	EPA 3050B	482758	EPA 6010D	482986
40283117004	**SB-1 (38-40')**	EPA 3050B	482758	EPA 6010D	482986
40283117005	**SB-1 (48')**	EPA 3050B	482758	EPA 6010D	482986
40283117006	**SB-2 (1-4')**	EPA 3050B	482758	EPA 6010D	482986
40283117007	**SB-2 (4-8')**	EPA 3050B	482758	EPA 6010D	482986
40283117008	**SB-2 (8-12')**	EPA 3050B	482758	EPA 6010D	482986
40283117009	**SB-2 (40-42')**	EPA 3050B	482758	EPA 6010D	482986
40283117010	**SB-2 (48')**	EPA 3050B	482758	EPA 6010D	482986
40283117011	**SB-3 (0-4')**	EPA 3050B	482758	EPA 6010D	482986
40283117012	**SB-3 (4-8')**	EPA 3050B	482758	EPA 6010D	482986
40283117013	**SB-3 (8-12')**	EPA 3050B	482758	EPA 6010D	482986
40283117014	**SB-3 (40')**	EPA 3050B	482758	EPA 6010D	482986
40283117015	**SB-3 (48')**	EPA 3050B	482758	EPA 6010D	482986
40283117016	**SB-4 (0-4')**	EPA 3050B	482758	EPA 6010D	482986
40283117017	**SB-4 (30')**	EPA 3050B	482758	EPA 6010D	482986
40283117018	**SB-4 (48')**	EPA 3050B	482758	EPA 6010D	482986
40283117019	**SB-5 (0-4')**	EPA 3050B	482758	EPA 6010D	482986
40283117020	**SB-5 (28')**	EPA 3050B	482758	EPA 6010D	482986
40283117021	**SB-5 (48')**	EPA 3050B	482753	EPA 6010D	482982
40283117022	**SB-6 (0-4')**	EPA 3050B	482753	EPA 6010D	482982
40283117023	**SB-6 (8')**	EPA 3050B	482753	EPA 6010D	482982

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40283117024	**SB-6 (48')**	EPA 3050B	482753	EPA 6010D	482982
40283117001	**SB-1 (0-4')**	EPA 7471	482898	EPA 7471	482966
40283117002	**SB-1 (4-8')**	EPA 7471	482898	EPA 7471	482966
40283117003	**SB-1 (8-12')**	EPA 7471	482898	EPA 7471	482966
40283117004	**SB-1 (38-40')**	EPA 7471	482898	EPA 7471	482966
40283117005	**SB-1 (48')**	EPA 7471	482898	EPA 7471	482966
40283117006	**SB-2 (1-4')**	EPA 7471	482898	EPA 7471	482966
40283117007	**SB-2 (4-8')**	EPA 7471	482898	EPA 7471	482966
40283117008	**SB-2 (8-12')**	EPA 7471	482899	EPA 7471	482967
40283117009	**SB-2 (40-42')**	EPA 7471	482899	EPA 7471	482967
40283117010	**SB-2 (48')**	EPA 7471	482899	EPA 7471	482967
40283117011	**SB-3 (0-4')**	EPA 7471	482899	EPA 7471	482967
40283117012	**SB-3 (4-8')**	EPA 7471	482899	EPA 7471	482967
40283117013	**SB-3 (8-12')**	EPA 7471	482899	EPA 7471	482967
40283117014	**SB-3 (40')**	EPA 7471	482899	EPA 7471	482967
40283117015	**SB-3 (48')**	EPA 7471	482899	EPA 7471	482967
40283117016	**SB-4 (0-4')**	EPA 7471	482899	EPA 7471	482967
40283117017	**SB-4 (30')**	EPA 7471	482899	EPA 7471	482967
40283117018	**SB-4 (48')**	EPA 7471	482899	EPA 7471	482967
40283117019	**SB-5 (0-4')**	EPA 7471	482899	EPA 7471	482967
40283117020	**SB-5 (28')**	EPA 7471	482899	EPA 7471	482967
40283117021	**SB-5 (48')**	EPA 7471	482899	EPA 7471	482967
40283117022	**SB-6 (0-4')**	EPA 7471	482899	EPA 7471	482967
40283117023	**SB-6 (8')**	EPA 7471	482899	EPA 7471	482967
40283117024	**SB-6 (48')**	EPA 7471	482899	EPA 7471	482967
40283117001	**SB-1 (0-4')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117002	**SB-1 (4-8')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117003	**SB-1 (8-12')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117004	**SB-1 (38-40')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117005	**SB-1 (48')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117006	**SB-2 (1-4')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117007	**SB-2 (4-8')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117008	**SB-2 (8-12')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117009	**SB-2 (40-42')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117010	**SB-2 (48')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117011	**SB-3 (0-4')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117012	**SB-3 (4-8')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117013	**SB-3 (8-12')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117014	**SB-3 (40')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117015	**SB-3 (48')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117016	**SB-4 (0-4')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117017	**SB-4 (30')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117018	**SB-4 (48')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117019	**SB-5 (0-4')**	EPA 3546	482896	EPA 8270E by SIM	482944
40283117020	**SB-5 (28')**	EPA 3546	483021	EPA 8270E by SIM	483059
40283117021	**SB-5 (48')**	EPA 3546	483021	EPA 8270E by SIM	483059
40283117022	**SB-6 (0-4')**	EPA 3546	483021	EPA 8270E by SIM	483059

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40283117023	**SB-6 (8')**	EPA 3546	483021	EPA 8270E by SIM	483059
40283117024	**SB-6 (48')**	EPA 3546	483021	EPA 8270E by SIM	483059
40283117001	**SB-1 (0-4')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117002	**SB-1 (4-8')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117003	**SB-1 (8-12')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117004	**SB-1 (38-40')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117005	**SB-1 (48')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117006	**SB-2 (1-4')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117007	**SB-2 (4-8')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117008	**SB-2 (8-12')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117009	**SB-2 (40-42')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117010	**SB-2 (48')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117011	**SB-3 (0-4')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117012	**SB-3 (4-8')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117013	**SB-3 (8-12')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117014	**SB-3 (40')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117015	**SB-3 (48')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117016	**SB-4 (0-4')**	EPA 5035/5030B	482923	EPA 8260	482924
40283117017	**SB-4 (30')**	EPA 5035/5030B	482958	EPA 8260	482964
40283117018	**SB-4 (48')**	EPA 5035/5030B	482958	EPA 8260	482964
40283117019	**SB-5 (0-4')**	EPA 5035/5030B	482958	EPA 8260	482964
40283117020	**SB-5 (28')**	EPA 5035/5030B	482958	EPA 8260	482964
40283117021	**SB-5 (48')**	EPA 5035/5030B	482958	EPA 8260	482964
40283117022	**SB-6 (0-4')**	EPA 5035/5030B	482958	EPA 8260	482964
40283117023	**SB-6 (8')**	EPA 5035/5030B	482958	EPA 8260	482964
40283117024	**SB-6 (48')**	EPA 5035/5030B	482958	EPA 8260	482964
40283117025	**TRIP BLANK**	EPA 5035/5030B	483026	EPA 8260	483029
40283117001	**SB-1 (0-4')**	ASTM D2974-87	482999		
40283117002	**SB-1 (4-8')**	ASTM D2974-87	482999		
40283117003	**SB-1 (8-12')**	ASTM D2974-87	482999		
40283117004	**SB-1 (38-40')**	ASTM D2974-87	482999		
40283117005	**SB-1 (48')**	ASTM D2974-87	482999		
40283117006	**SB-2 (1-4')**	ASTM D2974-87	482999		
40283117007	**SB-2 (4-8')**	ASTM D2974-87	482999		
40283117008	**SB-2 (8-12')**	ASTM D2974-87	482999		
40283117009	**SB-2 (40-42')**	ASTM D2974-87	482999		
40283117010	**SB-2 (48')**	ASTM D2974-87	482999		
40283117011	**SB-3 (0-4')**	ASTM D2974-87	482999		
40283117012	**SB-3 (4-8')**	ASTM D2974-87	482999		
40283117013	**SB-3 (8-12')**	ASTM D2974-87	482999		
40283117014	**SB-3 (40')**	ASTM D2974-87	482999		
40283117015	**SB-3 (48')**	ASTM D2974-87	482999		
40283117016	**SB-4 (0-4')**	ASTM D2974-87	482999		
40283117017	**SB-4 (30')**	ASTM D2974-87	482999		
40283117018	**SB-4 (48')**	ASTM D2974-87	482999		
40283117019	**SB-5 (0-4')**	ASTM D2974-87	482999		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Commonwealth - Wausau
Pace Project No.: 40283117

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40283117020	**SB-5 (28')**	ASTM D2974-87	483051		
40283117021	**SB-5 (48')**	ASTM D2974-87	483051		
40283117022	**SB-6 (0-4')**	ASTM D2974-87	483051		
40283117023	**SB-6 (8')**	ASTM D2974-87	483051		
40283117024	**SB-6 (48')**	ASTM D2974-87	483051		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40283117

ALL SHADED AREAS are for LAB USE ONLY

Company: Fehr Graham	Billing Information:
Address: 909 N. 4th Street, Sheboygan, WI	
Report To: Dillon Plamann	Email To: dplamann@fehrgraham.com
Copy To:	Site Collection Info/Address: 700, 804, 810, 814, 816 Grand Avenue.
Customer Project Name/Number: Commonwealth - Wausau	State: WI County/City: Wausau Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Kelsey Bird	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] 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 [ ] No Analysis:

Container Preservative Type **: (G) (U) (U) (U) (U)

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 _____

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs	RCRA metals	Dry weight	PCBs	PAHs	Lab Sample # / Comments
SB-1 (0-4')	SL	grab	8/21	1025				3	X	X	X	X	X	001
SB-1 (4-8')			8/21	1035				3	X	X	X	X	X	002
SB-1 (8-12')			8/21	1040				3	X	X	X	X	X	003
SB-1 (38-40')			8/21	1105				3	X	X	X	X	X	004
SB-1 (48')			8/21	1045				3	X	X	X	X	X	005
SB-2 (0-4')			8/21	0850				3	X	X	X	X	X	006
SB-2 (4-8')			8/21	0900				3	X	X	X	X	X	007
SB-2 (8-12')			8/21	0905				3	X	X	X	X	X	008
SB-2 (40-42')			8/21	0925				3	X	X	X	X	X	009
SB-2 (48')			8/21	0910				3	X	X	X	X	X	010

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 Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

DLC 8/23/24

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: (1)

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

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

Lab Tracking #: 2884062

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: oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments: (1)

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 3

	Date/Time:		Date/Time:
Relinquished by/Company: (Signature)	8/22/2024	Received by/Company: (Signature) Pace	8/23/24 1210
Relinquished by/Company: (Signature) Pace	8/23/24 1355	Received by/Company: (Signature)	8/23/24 1355
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

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

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40283117

ALL SHADED AREAS are for LAB USE ONLY

Company:	Billing Information:
Address: Pace	
Report To: SL	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number:	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] 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 [ ] No Analysis: _____

Container Preservative Type **: 6 U U U U

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 _____

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs	RCRA metals	Dry Weight	PAHs	PCBs	Lab Sample # / Comments
SB-3 (0-4')	SL	Grab	8/21	1200				3	X	X	X	X	X	011
SB-3 (4-8')			8/21	1210				3	X	X	X	X	X	012
SB-3 (8-12')			8/21	1215				3	X	X	X	X	X	013
SB-3 (16')			8/21	1240				3	X	X	X	X	X	014
SB-3 (~~16~~ 18')			8/21	1220				3	X	X	X	X	X	015
SB-4 (0-4')			8/21	1340				3	X	X	X	X	X	016
SB-4 (3')			8/21	1405				3	X	X	X	X	X	017
SB-4 (~~8~~ 8')			8/21	1330				3	X	X	X	X	X	018
SB-5 (0-4')			8/21	1450				3	X	X	X	X	X	019
SB-5 (~~28~~ 8')			8/21	1520				3	X	X	X	X	X	020

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: N

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

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

Lab Tracking #: 2884063

Samples received via: FEDEX UPS Client Courier Pace Courier

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 Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____ oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments: N

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 3

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	8/22/2024	[signature] Pace	8/23/24 1210
[signature] Pace	8/23/24 1355	[signature]	8/23/24 1355

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

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40283117

ALL SHADED AREAS are for LAB USE ONLY

Company: Pace	Billing Information:
Address:	
Report To: SC	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number:	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] 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 [ ] No Analysis:

Container Preservative Type **: 6 U U U U

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

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs	RCRA metals	Dry weight	PAHs	PCBs	Lab Sample # / Comments
SB-5 (4-8')	SL	grab	8/21	1500				3	X	X	X	X	X	021
SB-6 (0-4')			8/21	1610				3	X	X	X	X	X	022
SB-6 (4-8')			8/21	1640				3	X	X	X	X	X	023
SB-6 (8-12')			8/21	1620				3	X	X	X	X	X	024
Trip Blank	OT		8/21	—				1	X					025

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 Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: 2884064

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: oC

Cooler 1 Therm Corr. Factor: oC

Cooler 1 Corrected Temp: oC

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	8/22/2024	Pace	8/23/24 1210
Relinquished by/Company: (Signature) Pace	8/23/24 1355		8/23/24 1355
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 3 of: 3

Sample Preservation Receipt Form

Client Name: Fehr Graham Project # 40283117

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☑N/A Initial when completed: Date/ Time:

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

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

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

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

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 3

Sample Preservation Receipt Form

Client Name: Fehr Graham Project #: 40283117

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	Vials: VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																		1		1			1											2.5 / 5
022																		1		1			1											2.5 / 5
023																		1		1			1											2.5 / 5
024																		1		1			1											2.5 / 5
025																		1																2.5 / 5
026																																		2.5 / 5
027																																		2.5 / 5
028																																		2.5 / 5
029																																		2.5 / 5
030																																		2.5 / 5
031																																		2.5 / 5
032																																		2.5 / 5
033																																		2.5 / 5
034																																		2.5 / 5
035																																		2.5 / 5
036																																		2.5 / 5
037																																		2.5 / 5
038																																		2.5 / 5
039																																		2.5 / 5
040																																		2.5 / 5
041																																		2.5 / 5
042																																		2.5 / 5
043																																		2.5 / 5
044																																		2.5 / 5
045																																		2.5 / 5
046																																		2.5 / 5
047																																		2.5 / 5
048																																		2.5 / 5

mlt 8/23/24

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40283117

40283117

Client Name: Fehr Graham

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 - 120 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.0

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

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

Person examining contents:
Date: 8/23/24 /Initials: mlt

Labeled By Initials: GF

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. billing, ph# mlt 8/23/24
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S		
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 3 of 3

Appendix 2

Soil Boring Logs and Well Construction Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Commonwealth-Wausau		SB-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Darrin Prentice Geiss Soil & Samples, LLC.	8/21/2024	8/21/2024	Direct Push

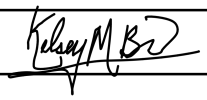
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
NE 1/4 of SW 1/4 of Section 36, T 29 N, R 7 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Marathon	37	Wausau

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 22		1	0.0-1.5' TOPSOIL	ML			0.5						Sample from 0-4'
			2 3	1.5-4.0' SANDY SILT, brown sandy silt, medium-grained sand, dry to moist grade, trace gray rock at 1.5', [MLS, FILL]	MLS			0.0						
2 CS	48 35		4 5	4.0-5.0' GRAVELLY SILT, brown silt with medium-grained sand and 1/4" angular gravel, moist [MLG, FILL]	MLG			0.9						Sample from 4-8'
			6 7	5.0-5.75' GRAVELLY SAND, poorly graded dark brown fine-grained sand gradient to well-graded gray coarse-grained sand with 1/4" to 1/2" subangular gravel, moist [SPG, FILL]	SPG									
				5.75-8.0' SAND, brown fine-grained sand gradient to dark brown medium-grained sand, moist, well graded [SW, FILL]	SW			0.1						
3 CS	48 32		8 9 10	8.0-12.0' SAND, dark brown coarse to medium-grained sand, poorly graded, moist [SP, NATIVE]	SP			0.0						Sample from 8-12'
			11 12					0.1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm Fehr Graham Tel: Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-1 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	48 31		13	12.0-20.0' SAND, brown coarse-grained gradient to medium-grained sand with trace 1/2" angular gravel and trace rock, moist [SP, NATIVE]				0.0						
			14											
			15					0.0						
5 CS	48 28		16		SP									
			17					0.0						
			18											
			19					0.0						
6 CS	48 26		20	20.0-28.0' SAND, brown gradient to gray sand, coarse-grained, with 1/4" to 1/2" rounded and subangular gravel and trace 1" angular gravel, moist [SPG, NATIVE]										
			21					0.1						
			22											
			23		SPG			0.3						
7 CS	48 29		24											
			25					0.3						
			26	26.0-36.0' SAND, brown medium-grained sand gradient to fine-grained sand with an interval of coarse grained sand from 29-29.5', moist, poorly graded [SP, NATIVE]										
			27					0.2						
8 CS	48 31		28											
			29		SP			0.2						
			30											
			31					0.1						
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-1 Use only as an attachment to Form 4400-122. Page 3 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
9 CS	48 30		33	26.0-36.0' SAND, brown medium-grained sand gradient to fine-grained sand with an interval of coarse grained sand from 29-29.5', moist, poorly graded [SP, NATIVE] *(continued)*				0.1						
			34		SP									
			35					0.2						
10 CS	48 27		36	36.0-48.0' SAND, brown sand, with several intervals of coarse grained gradient to fine-grained sand with trace 1" gravel, some 1/4 to 1/2" subangular gravel, to no gravel, poorly graded, moist, wet at 42' [SP, NATIVE]										
			37					0.4						
			38											
			39					0.4						Sample from 38-40'
11 CS	48 26		40											
			41					0.2						
			42		SP		▼							
			43					0.0						
12 CS	48 38		44											
			45					0.0						
			46											
			47					0.0						
			48	End of boring at 48-feet. 1-inch temporary well installed to 48-feet.										Sample at 48'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Commonwealth-Wausau		SB-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Darrin Prentice Geiss Soil & Samples, LLC.	8/21/2024	8/21/2024	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
NE 1/4 of SW 1/4 of Section 36, T 29 N, R 7 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Marathon	37	Wausau

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 36		1	0.0-1.0' TOPSOIL	ML									Sample from 0-4'
			2	1.0-3.25' SAND WITH SILT, dark brown coarse-grained sand with silt, well graded, moist, with clayey silt from 3.0-3.25' [SW-SM, FILL]	SW-SM			0.2						
			3					0.1						
2 CS	48 24		4	3.25-7.0' SAND, tan medium-grained sand, poorly graded, with some 1/4" to 1/2" subangular gravel, moist [SP, FILL]										Sample from 4-8'
			5		SP			0.1						
			6											
			7	7.0-9.0' SAND, white fine-grained sand, poorly graded, with a seam of green fine-grained sand at 7' and seams of brown, red, and green fine-grained sand followed by black granules and charcoal [SP, FILL]				0.1						
3 CS	48 32		8		SP									Sample from 8-12'
			9	9.0-26.0' SAND, white fine-grained sand with trace red and orange sand, moist, poorly graded, with an interval of tan fine-grained sand from 23-23.75' [SP, NATIVE]				0.0						
			10											
			11		SP			0.0						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Kelsey M Bz	Fehr Graham	Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-2 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	48 30		13	9.0-26.0' SAND, white fine-grained sand with trace red and orange sand, moist, poorly graded, with an interval of tan fine-grained sand from 23-23.75' [SP, NATIVE] *(continued)*				0.0						
			14											
			15					0.1						
5 CS	48 28		16											
			17					0.0						
			18											
			19		SP			0.0						
6 CS	48 28		20											
			21					0.0						
			22											
			23					0.1						
7 CS	48 24		24											
			25					0.0						
			26	26.0-30.0' SAND, light tan sand with tan-orange mottling gradient to dark brown to black sand, moist, trace rock, poorly graded, moist [SP, NATIVE]										
			27					0.0						
8 CS	48 12		28		SP									
			29					0.0						
			30	30.0-33.0' SAND, brown-tan sand, fine to medium-grained, poorly graded, moist [SP, NATIVE]										
			31		SP			0.0						
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-2 Use only as an attachment to Form 4400-122. Page 3 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
9 CS	48 22		33	33.0-47.0' SAND, tan gradient to brown coarse-grained sand, poorly graded, moist, with trace 1" to 2" rock, wet at 42' [SP, NATIVE]	SP			0.1						
			34											
			35					0.1						
10 CS	48 36		36											
			37					0.0						
			38											
			39					0.0						
11 CS	48 35		40		SP									Sample from 40-42'
			41					0.2						
			42				▼							
			43					0.0						
12 CS	48 32		44											
			45					0.1						
			46											
			47	47.0-48.0' SAND, light brown sand, fine-grained, moist, poorly graded [SP, NATIVE]	SP			0.0						
			48	End of boring at 48'. 1-inch temporary well installed to 48'.										Sample at 48'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Commonwealth-Wausau		SB-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Darrin Prentice Geiss Soil & Samples, LLC.	8/21/2024	8/21/2024	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
NE 1/4 of SW 1/4 of Section 36, T 29 N, R 7 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Marathon	37	Wausau

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 37		0-1	0.0-1.0' TOPSOIL	ML									Sample from 0-4'
			1-4	1.0-4.25' SANDY SILT, dark brown gradient to brown sandy silt, medium-grained, with 1/4" subangular gravel and trace 1" subangular gravel, moist [MLS, FILL]	MLS			0.1 0.3						
2 CS	48 42		4-8	4.25-8.0' SAND, brown sand with transition from coarse- to fine- to coarse-grained, poorly graded, moist, with trace 1/4" subangular gravel from 7-8' [SP, FILL]	SP			0.2 0.3						Sample from 4-8'
3 CS	48 36		8-12	8.0-8.5' GRAVELLY SAND, brown coarse-grained sand, moist, with 1/4" rounded and subangular gravel [SPG, FILL] 8.5-14.0' SAND, brown fine gradient to coarse-grained sand, moist, poorly graded [SP, NATIVE]	SPG SP			0.4 0.3						Sample from 8-12'

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Kelsey M Bz	Fehr Graham	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-3 Use only as an attachment to Form 4400-122. Page 2 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	48 30		13	8.5-14.0' SAND, brown fine gradient to coarse-grained sand, moist, poorly graded [SP, NATIVE] *(continued)*	SP			0.5						
			14	14.0-27.0' SAND, brown gradient to dark brown sand, coarse-grained, poorly graded, with some 1/4" to 1/2" subangular gravel and trace 2" rock, moist [SP, NATIVE]										
			15					0.2						
5 CS	48 27		16											
			17					0.4						
			18											
			19					0.2						
6 CS	48 17		20		SP									
			21					0.2						
			22											
			23					0.0						
7 CS	48 26		24											
			25					0.2						
			26											
			27	27.0-38.0' SAND, tan fine-grained sand, poorly graded, moist, with interval of coarse-grained sand with 1/4" rounded gravel from 30-30.5' [SP, NATIVE]				0.3						
8 CS	48 33		28											
			29					0.2						
			30		SP									
			31					0.5						
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-3 Use only as an attachment to Form 4400-122. Page 3 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
9 CS	48 32		33	27.0-38.0' SAND, tan fine-grained sand, poorly graded, moist, with interval of coarse-grained sand with 1/4" rounded gravel from 30-30.5' [SP, NATIVE] *(continued)*				0.3						
			34											
			35		SP			0.2						
10 CS	48 9		36											
			37											
			38											
			39	38.0-40.0' SAND, brown medium to coarse grained sand, moist, poorly graded, with some 1/4" subangular gravel and trace 1/2" subangular gravel and rock, moist [SP, NATIVE]	SP			0.5						Sample at 40'
11 CS	48 0		40	40.0-44.0' NO RECOVERY										
			41											
			42											
			43											
			44				▼							
12 CS	48 9		45	44.0-48.0' SAND, dark brown sand, coarse, wet, with some 1/4" to 1/2" subangular gravel, poorly graded [SP, NATIVE]										
			46		SP									
			47					0.4						
			48	End of boring at 48-feet. 1-inch temporary well installed to 48-feet.										Sample at 48'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Commonwealth-Wausau		SB-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Darrin Prentice Geiss Soil & Samples, LLC.	8/21/2024	8/21/2024	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
NE 1/4 of SW 1/4 of Section 36, T 29 N, R 7 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Marathon	37	Wausau

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 33		1	0.0-2.0' TOPSOIL, sandy topsoil/silt	ML			0.3						Sample from 0-4'
			2	2.0-3.5' CLAYEY SILT, dark brown gradient to brown clayey silt, moist, crumbly [ML, FILL]	ML			0.5						
2 CS	48 24		4	3.5-4.5' SILTY SAND, red-brown silty sand, medium-grained, poorly graded, moist [SM, FILL]	SM									
			5	4.5-6.0' CLAYEY SILT, dark brown clayey silt with brown mottling, moist, non-plastic [ML, FILL]	ML			0.3						
			6	6.0-14.0' SAND, brown sand, medium- to coarse-grained, poorly graded, moist to wet grade [SP, NATIVE]										
3 CS	48 23		8					0.5						
			9		SP			0.5						
			11					0.2						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Kelsey M Bz	Fehr Graham	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-4 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	48 22		13	6.0-14.0' SAND, brown sand, medium- to coarse-grained, poorly graded, moist to wet grade [SP, NATIVE] *(continued)*	SP			0.5						
			14	14.0-29.5' GRAVELLY SAND, brown coarse-grained sand with 1/4" and 1/2" subangular gravel and trace 2" gravel, wet to moist grade, wet again at 26' [SPG, NATIVE]										
			15					0.2						
5 CS	48 24		16											
			17					0.4						
			18											
			19					0.5						
6 CS	48 26		20											
			21					0.4						
			22		SPG									
			23					0.1						
7 CS	48 21		24											
			25					0.4						
			26											
			27					0.7						
8 CS	48 32		28											
			29					1.1						Sample at 30'
			30	29.5-36.0' SAND, tan gradient to brown sand, fine-grained to medium-grained, moist [SP, NATIVE]	SP									
			31					1.0						
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-4 Use only as an attachment to Form 4400-122. Page 3 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
9 CS	48 32		33	29.5-36.0' SAND, tan gradient to brown sand, fine-grained to medium-grained, moist [SP, NATIVE] *(continued)*				0.6						
			34		SP									
			35					0.5						
10 CS	48 31		36	36.0-48.0' SAND, brown medium-coarse-grained sand, moist to wet grade, with trace 1/4" to 1/2" subangular gravel [SP, NATIVE]										
			37					0.8						
			38											
			39					0.9						
11 CS	48 26		40											
			41					0.8						
			42		SP									
			43					0.9						
12 CS	48 36		44				▼							
			45					0.5						
			46											
			47					0.9						
			48	End of boring at 48-feet. 1-inch temporary well installed to 48-feet.										Sample at 48'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Commonwealth-Wausau		SB-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Darrin Prentice Geiss Soil & Samples, LLC.	8/21/2024	8/21/2024	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
NE 1/4 of SW 1/4 of Section 36, T 29 N, R 7 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Marathon	37	Wausau

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 29		0-1	0.0-1.0' TOPSOIL	ML									Sample from 0-4'
			1-2	1.0-2.5' SANDY SILT, dark brown-black sandy silt, fine grained, with trace charcoal pieces, moist [MLS, FILL}	MLS			0.3						
			2-3	2.5-6.0' CLAYEY SANDY SILT, brown sandy silt with clay, moist, with trace 1/4" subangular gravel [MLS, FILL]				0.2						
2 CS	48 8		4-5		MLS			0.4						
			6-7	6.0-12.0' SAND, brown sand, medium-coarse-grained, moist, poorly graded, with trace rock from from 8-12' [SP, NATIVE]				0.1						
3 CS	48 22		8-9		SP			0.1						
			10-11					0.6						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Kelsey M Bz	Fehr Graham	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-5 Use only as an attachment to Form 4400-122. Page 2 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	48 29		13	12.0-22.0' GRAVELLY SAND, brown coarse-grained sand with 1/4" to 1/2" subangular gravel and trace 1" to 2" subangular gravel, moist, wet at 16' [SPG, NATIVE]				0.7						
			14											
			15					0.1						
5 CS	48 22		16											
			17		SPG			0.3						
			18											
			19					0.2						
6 CS	48 27		20											
			21					0.1						
			22	22.0-28.0' SAND, brown gradient to red-brown and tan sand with several transitions from fine- to coarse-grained, some 1/4" to 1/2" subangular gravel and trace 1" subangular gravel, moist [SP, NATIVE]										
			23					0.5						
7 CS	48 24		24											
			25		SP			0.3						
			26											
			27					0.3						
8 CS	48 30		28	28.0-32.0' SAND' brown sand with transition from coarse- to fine- to coarse-grained, poorly grade, moist [SP, NATIVE]										Sample at 28'
			29					0.7						
			30		SP									
			31					0.7						
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-5 Use only as an attachment to Form 4400-122. Page 3 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
9 CS	48 30		33	32.0-34.0' GRAVELLY SAND, brown sand, medium-coarse-grained with 1/4" to 1/2" subangular gravel, moist [SPG, NATIVE]	SPG			0.5						
			34	34.0-48.0' SAND, brown sand, medium- to coarse-grained with trace 1/4" to 1/2" subangular gravel, moist to wet grade, wet at 44' [SPG, NATIVE]										
10 CS	48 29		36					0.6						
			37					0.4						
			38											
			39					0.5						
11 CS	48 30		40											
			41		SP			0.5						
			42											
			43					0.2						
12 CS	48 37		44				▼							
			45					0.5						
			46											
			47					0.5						
			48	End of boring at 48-feet. 1-inch temporary well installed to 48-feet.										Sample at 48'

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Commonwealth-Wausau		SB-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Darrin Prentice Geiss Soil & Samples, LLC.	8/21/2024	8/21/2024	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
NE 1/4 of SW 1/4 of Section 36, T 29 N, R 7 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Marathon	37	Wausau

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 21		1	0.0-1.0' TOPSOIL	ML									Sample from 0-4'
			2	1.0-2.5' SILTY SAND, brown to red-brown silty sand, medium-coarse-grained with 1/4" to 1/2" subangular gravel [SM, FILL]	SM			0.1						
			3	2.5-4.5' CLAYEY SANDY SILT, black to brown clayey sandy silt, moist, with trace 1/4" subangular gravel [SM, FILL]	SM			0.2						
2 CS	48 42		4											
			5	4.5-12.0' SAND, brown medium- to coarse-grained sand with trace 1/4" to 1/2" subangular gravel, moist [SP, NATIVE]				0.1						
			6											
			7					0.1						
3 CS	48 33		8		SP									Sample at 8'
			9					0.3						
			10											
			11					0.1						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Kelsey M Bz	Fehr Graham	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-6 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
4 CS	48 30		13	12.0-32.0' SAND, red-brown gradient to brown sand with several transitions from coarse-grained sand with 1/4" to 1/2" gravel to medium- and fine-grained sand with no gravel to trace 1/4" to 1/2" subangular gravel, moist, poorly graded [SP, NATIVE]				0.2						
			14											
			15					0.0						
5 CS	48 30		16											
			17					0.0						
			18											
			19					0.0						
6 CS	48 25		20											
			21					0.0						
			22		SP									
			23					0.1						
7 CS	48 31		24											
			25					0.0						
			26											
			27					0.0						
8 CS	48 42		28											
			29					0.0						
			30											
			31					0.0						
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SB-6 Use only as an attachment to Form 4400-122. Page 3 of 3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
9 CS	48 38		33	32.0-36.0' GRAVELLY SAND, brown medium-coarse-grained sand with 1/4" to 1/2" subangular gravel gradient to medium-fine-grained sand with trace 1/4" subangular gravel, poorly graded, moist [SPG, NATIVE]	SPG			0.1						
			34											
			35					0.0						
10 CS	48 30		36	36.0-40.0' GRAVELLY SAND, brown coarse-grained sand with 1/2" to 1/4" subangular gravel and trace 1" gravel gradient to trace 1/4" gravel, moist, poorly graded [SPG, NATIVE]										
			37					0.1						
			38		SPG									
			39					0.1						
11 CS	48 30		40	40.0-48.0' SAND, brown coarse- to medium-fine-grained, moist to wet grade, poorly graded, with trace 1/4" to 1/2" subangular gravel [SP, NATIVE]										
			41					0.1						
			42											
			43					0.1						
12 CS	48 32		44		SP		▼							
			45					0.0						
			46											
			47					0.1						
			48	End of boring at 48-feet. 1-inch temporary well installed to 48-feet.										Sample at 48'

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Commonwealth- Wausau	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SB-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' _____ " Long. ___ ° ___ ' _____ " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 08 / 21 / 2024 (m m d d y y y y)
Type of Well Well Code 11 / mw	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 36 , T. 29 N, R. 7 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm Darrin Prentice
Distance from Waste/ Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number _____ Geiss Soil & Samples, LLC.

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 1216.40 ft. MSL

C. Land surface elevation 1213.51 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Geoprobe Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 0.50 ft.

F. Fine sand, top _____ ft. MSL or 3.00 ft.

G. Filter pack, top _____ ft. MSL or 4.00 ft.

H. Screen joint, top _____ ft. MSL or 39.30 ft.

I. Well bottom _____ ft. MSL or 49.30 ft.

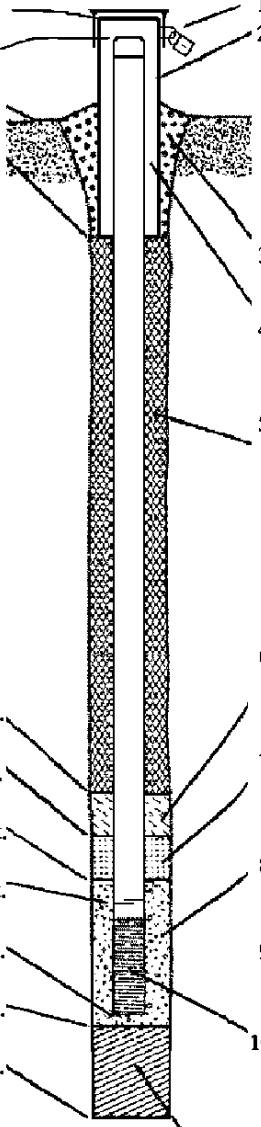
J. Filter pack, bottom _____ ft. MSL or 49.30 ft.

K. Borehole, bottom _____ ft. MSL or 49.30 ft.

L. Borehole, diameter 2.00 in.

M. O.D. well casing 1.25 in.

N. I.D. well casing 1.00 in.



1. Cap and lock? ☐ Yes ☒ No
2. Protective cover pipe:
a. Inside diameter: ___ in.
b. Length: ___ ft.
c. Material: Steel ☐ 04 Other ☐ __
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #40 Red Flint __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. _____ __
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: pvc __
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer Mono flex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kelsey M Bz Firm: Fehr Graham

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

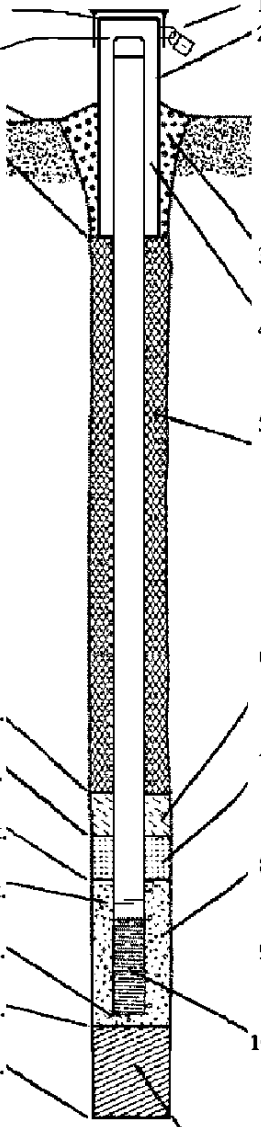
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Commonwealth- Wausau	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SB-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 08 / 21 / 2024 (m m d d y y y y)
Type of Well Well Code 11 / mw	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 36, T. 29 N, R. 7 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples, LLC.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 1215.46 ft. MSL
C. Land surface elevation 1213.29 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☒ Geoprobe

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 0.50 ft.
F. Fine sand, top _____ ft. MSL or 3.00 ft.
G. Filter pack, top _____ ft. MSL or 4.00 ft.
H. Screen joint, top _____ ft. MSL or 38 ft.
I. Well bottom _____ ft. MSL or 48 ft.
J. Filter pack, bottom _____ ft. MSL or 48 ft.
K. Borehole, bottom _____ ft. MSL or 48 ft.
L. Borehole, diameter 2.00 in.
M. O.D. well casing 1.25 in.
N. I.D. well casing 1.00 in.

1. Cap and lock? ☐ Yes ☒ No
2. Protective cover pipe:
a. Inside diameter: ___ in.
b. Length: ___ ft.
c. Material: Steel ☐ 04 / Other ☐ ___ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ___ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ ___ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. #40 Red Flint ___
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. _____ ___
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___ _____
10. Screen material: pvc ___
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ___ _____
b. Manufacturer Mono flex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Kelsey M Bz	Fehr Graham

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

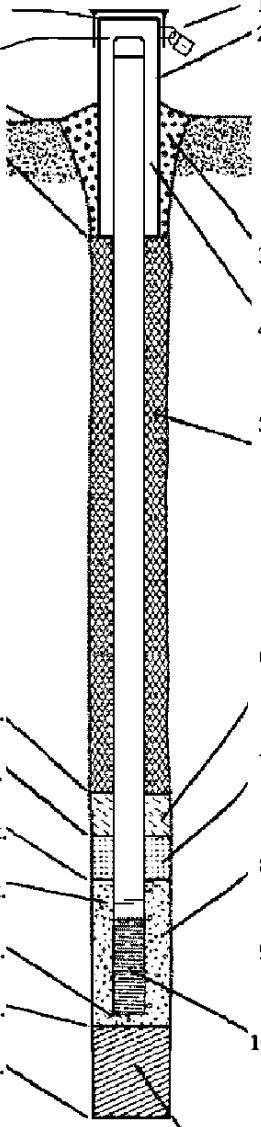
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Commonwealth- Wausau	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SB-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 08 / 21 / 2024 (m m d d y y y y)
Type of Well Well Code 11 / mw	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 36, T. 29 N, R. 7 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples, LLC.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 1216.09 ft. MSL
C. Land surface elevation 1213.14 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Geoprobe Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 0.50 ft.
F. Fine sand, top _____ ft. MSL or 3.00 ft.
G. Filter pack, top _____ ft. MSL or 4.00 ft.
H. Screen joint, top _____ ft. MSL or 39.74 ft.
I. Well bottom _____ ft. MSL or 49.74 ft.
J. Filter pack, bottom _____ ft. MSL or 49.74 ft.
K. Borehole, bottom _____ ft. MSL or 49.74 ft.
L. Borehole, diameter 2.00 in.
M. O.D. well casing 1.25 in.
N. I.D. well casing 1.00 in.

1. Cap and lock? ☐ Yes ☒ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel ☐ 04 Other ☐ __
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #40 Red Flint __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. _____ __
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: pvc __
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer Mono flex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kelsey M Bz | Firm: Fehr Graham

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Commonwealth- Wausau	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SB-4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 08 / 21 / 2024 (m m d d y y y y)
Type of Well Well Code 11 / mw	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 36, T. 29 N, R. 7 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples, LLC.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 1216.28 ft. MSL

C. Land surface elevation 1213.57 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Geoprobe Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 0.50 ft.

F. Fine sand, top _____ ft. MSL or 3.00 ft.

G. Filter pack, top _____ ft. MSL or 4.00 ft.

H. Screen joint, top _____ ft. MSL or 38 ft.

I. Well bottom _____ ft. MSL or 48 ft.

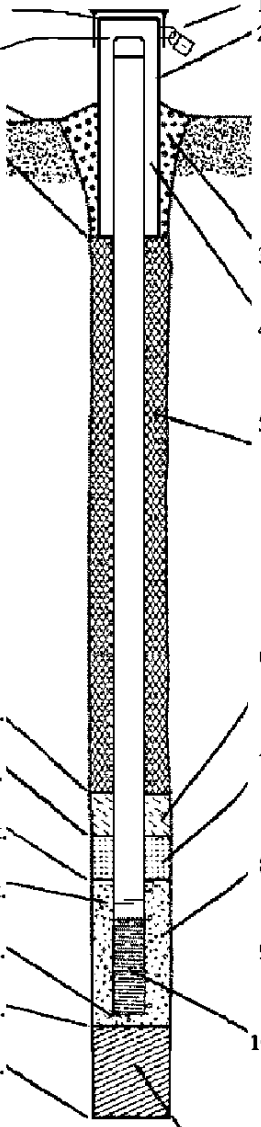
J. Filter pack, bottom _____ ft. MSL or 48 ft.

K. Borehole, bottom _____ ft. MSL or 48 ft.

L. Borehole, diameter 2.00 in.

M. O.D. well casing 1.25 in.

N. I.D. well casing 1.00 in.



1. Cap and lock? ☐ Yes ☒ No
2. Protective cover pipe:
a. Inside diameter: ___ in.
b. Length: ___ ft.
c. Material: Steel ☐ 04 Other ☐ __
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #40 Red Flint __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. _____ __
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ __
10. Screen material: pvc __
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ __
b. Manufacturer Mono flex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kelsey M Bo Firm: Fehr Graham

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Commonwealth- Wausau	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SB-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' _____ " Long. ___ ° ___ ' _____ " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 08 / 21 / 2024 (m m / d d / y y y y)
Type of Well Well Code 11 / mw	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 36 , T. 29 N, R. 7 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm Darrin Prentice
Distance from Waste/ Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number _____ Geiss Soil & Samples, LLC.

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 1214.63 ft. MSL

C. Land surface elevation 1213.45 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Geoprobe Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 0.50 ft.

F. Fine sand, top _____ ft. MSL or 3.00 ft.

G. Filter pack, top _____ ft. MSL or 4.00 ft.

H. Screen joint, top _____ ft. MSL or 38.41 ft.

I. Well bottom _____ ft. MSL or 48.41 ft.

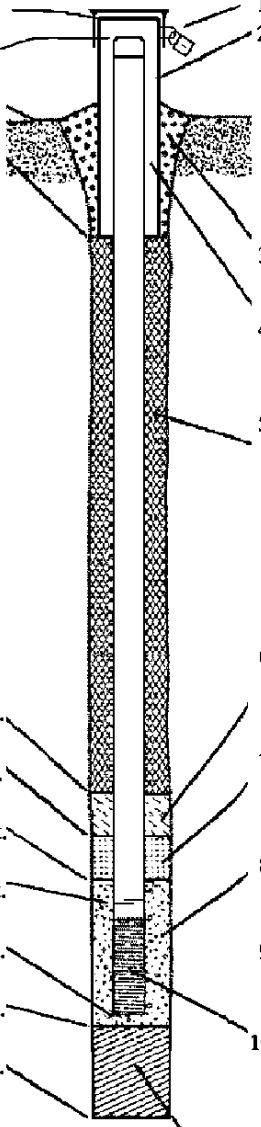
J. Filter pack, bottom _____ ft. MSL or 48.41 ft.

K. Borehole, bottom _____ ft. MSL or 48.41 ft.

L. Borehole, diameter 2.00 in.

M. O.D. well casing 1.25 in.

N. I.D. well casing 1.00 in.



1. Cap and lock? ☐ Yes ☒ No
2. Protective cover pipe:
a. Inside diameter: ___ in.
b. Length: ___ ft.
c. Material: Steel ☐ 04
Other ☐ __
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
_____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☒ 30
_____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #40 Red Flint __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. _____ __
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: pvc __
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer Mono flex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kelsey M Br Firm: Fehr Graham

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Commonwealth- Wausau	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SB-6
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' _____ " Long. ___ ° ___ ' _____ " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 08 / 21 / 2024 (m m d d y y y y)
Type of Well Well Code 11 / mw	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 36 , T. 29 N, R. 7 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm Darrin Prentice
Distance from Waste/ Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number _____ Geiss Soil & Samples, LLC.

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 1216.72 ft. MSL

C. Land surface elevation 1214.23 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Geoprobe Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 0.50 ft.

F. Fine sand, top _____ ft. MSL or 3.00 ft.

G. Filter pack, top _____ ft. MSL or 4.00 ft.

H. Screen joint, top _____ ft. MSL or 38 ft.

I. Well bottom _____ ft. MSL or 48 ft.

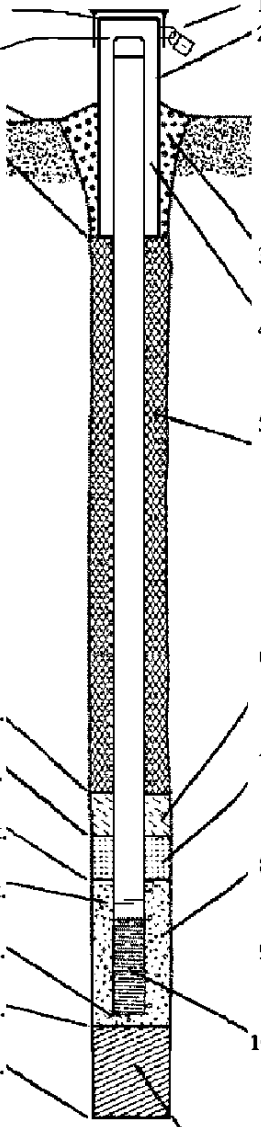
J. Filter pack, bottom _____ ft. MSL or 48 ft.

K. Borehole, bottom _____ ft. MSL or 48 ft.

L. Borehole, diameter 2.00 in.

M. O.D. well casing 1.25 in.

N. I.D. well casing 1.00 in.



1. Cap and lock? ☐ Yes ☒ No
2. Protective cover pipe:
a. Inside diameter: ___ in.
b. Length: ___ ft.
c. Material: Steel ☐ 04
Other ☐ __
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
_____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☒ 30
_____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #40 Red Flint __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. _____ __
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: pvc __
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer Mono flex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kelsey M Bo | Firm: Fehr Graham

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Appendix 3

40 CFR Part 312.10 Definitions and Environmental Professional Qualifications

40 CFR Part 312, Section 10 - Definitions

(a) Terms used in this part and not defined below, but defined in either CERCLA or 40 CFR part 300 (the National Oil and Hazardous Substances Pollution Contingency Plan) shall have the definitions provided in CERCLA or 40 CFR part 300.

(b) When used in this part, the following terms have the meanings provided as follows:

Abandoned property means: *property* that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the *property*.

Adjoining properties means: any real *property* or properties the border of which is (are) shared in part or in whole with that of the *property*, or that would be shared in part or in whole with that of the *property* but for a street, road, or other public thoroughfare separating the properties.

Data gap means: a lack of or inability to obtain information required by the standards and practices listed in subpart C of this part despite good faith efforts by the Environmental Professional or persons identified under §312.1(b), as appropriate, to gather such information pursuant to §§312.20(e)(1) and 312.20(e)(2).

Date of acquisition or purchase date means: the date on which a person acquires title to the *property*.

Environmental Professional means:

> (1) a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases (see §312.1(c)) on, at, in, or to a *property*, sufficient to meet the objectives and performance factors in §312.20(e) and (f).
>
> (2) Such a person must:
>
> (i) Hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) and have the equivalent of three (3) years of full-time relevant experience; or
>
> (ii) Be licensed or certified by the federal government, a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) to perform environmental inquiries as defined in §312.21 and have the equivalent of three (3) years of full-time relevant experience; or
>
> (iii) Have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science and the equivalent of five (5) years of full-time relevant experience; or
>
> (iv) Have the equivalent of ten (10) years of full-time relevant experience.

(3) An Environmental Professional should remain current in his or her field through participation in continuing education or other activities.

(4) The definition of Environmental Professional provided above does not preempt state professional licensing or registration requirements such as those for a professional geologist, engineer, or site remediation professional. Before commencing work, a person should determine the applicability of state professional licensing or registration laws to the activities to be undertaken as part of the inquiry identified in §312.21(b).

(5) A person who does not qualify as an Environmental Professional under the foregoing definition may assist in the conduct of AAI in accordance with this part if such person is under the supervision or responsible charge of a person meeting the definition of an Environmental Professional provided above when conducting such activities.

Relevant experience, as used in the definition of Environmental Professional in this section, means: participation in the performance of AAI investigations, ESAs, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases (see §312.1(c)) to the *property*.

Good faith means: the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

Institutional controls means: non-engineered instruments, such as administrative and/or legal controls, that help to minimize the potential for human exposure to contamination and/or protect the integrity of a remedy.

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

Dillon J. Plamann, PG

Project Hydrogeologist

Dillon Plamann contributes to a variety of environmental projects, including soil and groundwater investigations, remedial activities, due diligence and building material assessments. He also works on reports, work plans, proposals, budgets, and Phase I and II Environmental Site Assessments (ESAs).

EDUCATION

B.S. in Hydrogeology
University of Wisconsin-Stevens Point, 2014

PROFESSIONAL LICENSE

Professional Geologist
Wisconsin #1435-13, 2022
Minnesota #62180

CERTIFICATIONS

Occupational Safety and Health Administration 40-Hour HAZWOPER

Wisconsin, Asbestos Inspector, AII-239355

Wisconsin, Lead Inspector, LII-239355

Illinois, Asbestos Inspector, 100-20624

Wisconsin Department of Agriculture, Trade and Consumer Protection, Tank-System Site Assessor

PHASE I ESAs

- City of Fond du Lac, Wisconsin
- Redevelopment Authority of the City of Fond du Lac, Fond du Lac, Wisconsin
- Sheboygan County Economic Development Corporation | Sheboygan Falls, Wisconsin
- Scott Crawford, Inc. | Two Rivers, Wisconsin
- Sheboygan Area School District | Sheboygan, Wisconsin
- Town of Sheboygan | Sheboygan, Wisconsin
- Fabel Truck and Trailer | Appleton, Wisconsin
- Heckrodt Wetland Reserve | Menasha, Wisconsin
- Lakeshore Community Healthcare | Manitowoc and Sheboygan, Wisconsin
- Marcus & Millichap | Platteville, Wisconsin
- Bayside Management | Milwaukee, Wisconsin
- Master Cleaners | Wauwatosa, Wisconsin
- Kiel Foundry | Kiel, Wisconsin
- Waldo State Bank | Waldo and Plymouth, Wisconsin
- Oostburg State Bank | Sheboygan, Wisconsin
- Coldwell Banker | Racine, Wisconsin
- Hirschberg Law | Two Rivers and Oshkosh, Wisconsin
- Furst-McNess | Arlington, Wisconsin
- Commerce State Bank | Sheboygan, Wisconsin
- Michael Best and Friedrich | Oshkosh, Wisconsin
- Bank First National | Manitowoc, Plymouth and Sheboygan, Wisconsin
- Avenue Realty | Fond du Lac, Wisconsin
- 539 Riverfront, LLC | Sheboygan, Wisconsin
- Acuity Insurance | Sheboygan, Wisconsin
- Aerie LLC | Waukesha, Wisconsin
- Albor Restaurant Group | DePere, Wisconsin
- Brooke Street Loft Apartments | Fond du Lac, Wisconsin
- Commonwealth Development Corporation | Mosinee, Wisconsin
- Converge Cornerstone Fund | Sheboygan, Wisconsin
- Dairyland Operations, LLC | Cedarburg, Wisconsin
- Denmark State Bank | Brillion and Reedsville, Wisconsin
- Ener-Con Companies, Inc. | Sheboygan, Wisconsin
- Greywolf Acquisitions, LLC | Germantown and Eau Claire, Wisconsin
- Griffin – Williams, McMahon & Walsh LLP | Newton, Wisconsin
- Heckrodt Wetland Reserve
- Hi-Lite Machine | Sheboygan, Wisconsin
- Holland Real Estate | Oostburg, Wisconsin
- Midwest Acquisitions, LLC | West Milwaukee, Wisconsin
- Partners for Community Development, Inc. | Sturgeon Bay, Wisconsin
- Saws International | Greendale and Milwaukee, Wisconsin
- Smith & Strege, Ltd. | Mosinee, Oostburg and Sheboygan Falls, Wisconsin

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

Kelsey Bird

Engineer

Kelsey Bird completes Phase I Environmental Site Assessments (ESAs), environmental assessments, groundwater sampling and monitoring. She samples for volatile organic compounds and polycyclic aromatic hydrocarbons for private clients. She also works on Dry Cleaner Environmental Response Fund sites and is well-versed in grant writing.

Kelsey has written many technical reports and works on teams to design sustainable recreational facilities. She is a skilled researcher and data tabulator.

EDUCATION

B.S. in Environmental Engineering
Michigan Technological University, 2017

PROFESSIONAL LICENSE

Engineer-in-Training
Wisconsin # 1514144-500

CERTIFICATIONS

Occupational Safety and Health Association
40-Hour Hazardous Waste Operations and Emergency Response, 2021

Wisconsin Department of Agriculture, Trade and Consumer Protection, Tank-System Site Assessor

PROFESSIONAL ASSOCIATION

Federation of Environmental Technologists

PHASE I ESA

- City of Fond du Lac, Wisconsin
- Sheboygan County Economic Development Corporation | Sheboygan Falls, Wisconsin
- MPPM | Monroe, Wisconsin
- The Commonwealth Companies | Fond du Lac, Wisconsin
- Residential Building | Manitowoc, Wisconsin
- Tenac Partners | Freeport, Illinois
- Marine Bank | Champaign, Illinois
- First Bank National | Milwaukee, Waukesha and Green Bay, Wisconsin
- Centro Inc. | Cascade, Iowa
- Farmstead | Cedar Grove, Wisconsin
- 539 Riverfront | Sheboygan, Wisconsin
- Albor Restaurant Group | DePere, Wisconsin
- American Orthodontics | Sheboygan, Wisconsin
- Brooke Street Loft Apartments | Fond du Lac, Wisconsin
- Ener-Con Companies | Sheboygan, Wisconsin
- Greywolf Acquisitions | Eau Claire and Germantown, Wisconsin
- Keller Inc. | Monroe, Wisconsin
- Memorial Hospital of Lafayette County | Darlington, Wisconsin
- Oostburg State Bank | Sheboygan, Wisconsin
- Saws International | Greendale and Milwaukee, Wisconsin

ENVIRONMENTAL ASSESSMENT

Memorial Hospital of Lafayette County | Darlington, Wisconsin

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