

PHASE II ENVIRONMENTAL SITE ASSESSMENT

**110-249 EAST THOMAS STREET
WAUSAU, WISCONSIN**

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**ENVIRONMENT
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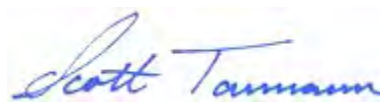


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1. INTRODUCTION

Ramboll Americas Engineering Solutions, Inc. (Ramboll) is pleased to present this Phase II Environmental Site Assessment (ESA) Report for the parcels located at 110-249 East Thomas Street in Wausau, Wisconsin (the "Site") (Figure 1).

The following sections of this report include a project background, summary of the site investigation activities conducted at the Site, the soil and groundwater sampling results, conclusions, and recommendations for the project. Refer to Figure 2 for the site features and sample locations referenced herein.

1.1 Site Location and Background

The Site, located at 110–249 East Thomas Street in Wausau, Wisconsin, encompasses approximately 2.3 acres. The Site is comprised of 16 parcels, which are described in further detail below:

- Area A Parcels: 110, 118, 120, 126, 130, 134, 138, 140 and 146 East Thomas Street (generally located in the northwest corner of the intersection of East Thomas and Emter Streets);
- Area B Parcels: 206 and 212 East Thomas Street (generally located in the northeastern corner of the intersection of East Thomas and Emter Streets);
- Area C Parcels: 226 and 230 East Thomas Street (generally located approximately 380 feet west of the intersection of East Thomas and Emter Streets); and
- Area D Parcels: 237, 241 and 249 East Thomas Street (generally located in the southwest corner of the intersection of East Thomas and McCleary Streets).

The Site has been occupied by single-family residential structures since at least the late 1930s. The portion of the Site located at 249 East Thomas Street (Area D) contained a residential building from approximately 1938 through the 1960s, after which it was converted into a gasoline service station that operated from the 1970s until 2020. The City of Wausau began acquiring parcels of the Site in 2008 and completed the full acquisition by 2019.

1.2 Prior Investigation Activities

The Phase I ESA, completed by Ramboll and dated October 2024, includes a comprehensive summary of previous environmental investigation activities conducted across the Site. The key findings from those efforts are outlined below:

- **Jim's Service Center Underground Storage Tank (UST) Removals and Site Investigation (1993 to 1996, Remediation and Redevelopment Tracking System [BRRS] No. 03-37-000731):** A total of ten USTs were removed from the Jim's Service Center property, with six removed prior to closure sampling requirements (1988 to 1989) and four removed in 1992 under the oversight of Fluid Management, Inc. Contamination was identified during the 1992 removals, prompting a site investigation. Nine soil borings (six completed as monitoring wells) were advanced between 1992 and 1993. Soil and groundwater samples indicated petroleum-related impacts near a former 550-gallon gasoline UST and pump island. A soil vapor extraction pilot test was completed in 1994, and follow-up investigations showed contaminant levels below Wisconsin Department of Natural Resources (WDNR) cleanup standards. The Site received case closure with No Further Action (NFA) status on August 22, 1996.

- **Jim's Service Center 2019 UST Removals (BRRTS No. 09-37-584290):** In August 2019, a Tank System Site Assessment (TSSA) was conducted during redevelopment of the former Jim's Service Center (also known as Hill's Auto). Three previously abandoned USTs were discovered: two registered waste oil USTs (250 and 300 gallons) and one unregistered 1,000-gallon gasoline UST. All tanks had been filled with concrete slurry. Soil samples were collected from each tank area and analyzed for petroleum volatile organic compounds (PVOCs) and naphthalene. No compounds were detected except for trace levels of total trimethylbenzenes and xylenes, reported below quantifiable limits. The TSSA was closed with a No Action Required (NAR) status on September 5, 2019.
- **2017 Thomas Street Corridor Realignment Project (BRRTS No. 07-37-580444):** As part of the Thomas Street corridor realignment, a Phase Hazardous Materials Assessment was conducted in 2017 along East Thomas Street between 1st Avenue and McCleary Street, including areas adjacent to the site parcels. Four of six soil borings were located on or directly adjoining the Site. Soil and groundwater samples were analyzed for pentachlorophenol (PCP), PCP daughter compounds, volatile organic compounds (VOCs), and dioxins/furans. No soil samples contained detectable concentrations of target compounds. One groundwater sample from boring B-6 (near 230 East Thomas Street) contained chloromethane at an estimated 0.81 micrograms per liter ($\mu\text{g/L}$) below the enforcement standard of 30 $\mu\text{g/L}$ and the laboratory's quantification limit. All other analytes were non-detect. The WDNR issued a NAR determination based on these results.
- **On-Site Groundwater Sampling Associated with the Adjoining Wauleco Property (2023):** The 2023 annual groundwater report for the adjoining Wauleco property identified two monitoring wells on the Site, W22 near 110 East Thomas Street and W26R near 146 East Thomas Street, as well W29R located in the right-of-way south of 218 East Thomas Street. PCP was detected in all three wells at concentrations exceeding the enforcement standard of 1.0 $\mu\text{g/L}$, with levels of 2,600 $\mu\text{g/L}$ (W22), 110 $\mu\text{g/L}$ (W26R), and 24 $\mu\text{g/L}$ (W29R). Low-level detections of VOCs, including 1,2,4-trimethylbenzene, naphthalene, and total xylenes, were also reported at well W22. Indicator parameters such as dissolved manganese (3,600 to 86.6 $\mu\text{g/L}$) exceeded the enforcement standard of 50 $\mu\text{g/L}$ in all wells. Total petroleum hydrocarbons (TPH) as mineral spirits were detected in wells W22 and W26R, with no current groundwater standards for TPH.
- **2024 Assessment of Potential Basement Flooding:** In response to documented off-site PCP groundwater impacts, the WDNR requested an evaluation of potential basement flooding from shallow groundwater at the Wauleco property. The assessment compared ground surface and typical basement elevations to historic groundwater levels and analyzed PCP concentrations for potential human health risks under varying exposure scenarios. The 2024 report concluded that groundwater is not expected to reach basement floors, and health risks from PCP at concentrations below 50 $\mu\text{g/L}$ are unlikely. Ramboll notes that proposed redevelopment of the site parcels will likely feature slab-on-grade residential structures with shallow crawl spaces.

2. SUBSURFACE INVESTIGATION ACTIVITIES

A Phase II ESA was conducted on August 19, 2025, to further evaluate environmental conditions at the Site, based on the Recognized Environmental Conditions (RECs) identified in the October 2024 Phase I ESA. The Phase II ESA focused on potential groundwater and vapor intrusion concerns related to off-site contamination originating from the adjoining Wauleco site, impacted fill soils placed on the Site, and historical on-site petroleum impacts from the former Jim's Service Center. The scope of the Phase II ESA was based on the Phase I ESA completed in October 2024, conversations with the

WDNR, and the Sampling Analysis Plan dated March 19, 2025. Key findings from the Phase I ESA that prompted this investigation include:

- Groundwater contamination from the adjoining Wauleco property to the west has migrated onto the Site. PCP was detected in on-site monitoring wells at concentrations above the Wisconsin Administrative Code (WAC) NR 140 Enforcement Standard. Additionally, low levels of VOCs were detected above laboratory detection limits but below Preventive Action Limits (PALs).
- In 1992, petroleum contamination was identified during the removal of four USTs at the former Jim's Service Center (Area D). Although the site received closure with NFA status in 1996, this area was included in the Phase II ESA to confirm current conditions in support of future redevelopment.
- In 2019, three previously abandoned USTs were discovered during demolition activities. Soil sampling indicated no significant contamination, and the case was closed with NAR status. This area was included in the Phase II ESA to verify the absence of residual impacts.

2.1 Health and Safety

Before implementation of field activities, Ramboll prepared a site-specific Health and Safety Plan (HASP) as required by Occupational Safety and Health Administration (OSHA) and United States Environmental Protection Agency (USEPA) requirements for the performance of the investigation. Ramboll reviewed the HASP with all field personnel before commencing the field activities.

2.2 Public Utility Locate

Diggers Hotline (811) was contacted in advance of intrusive field activities to locate and mark publicly owned utilities within the proposed work areas. Public utility locates were completed prior to drilling to ensure safe advancement of soil borings and the protection of underground infrastructure. Due to scheduling constraints, a private utility locate was not conducted. Field markings were visually confirmed on site, and borehole locations were adjusted as necessary to avoid marked utilities. No unmarked public utilities were encountered during drilling activities.

2.3 Soil Investigation Activities

On August 19, 2025, eight soil borings (TS-SS-SB-1 through TS-SS-SB-8) were advanced across the Site. Four borings (TS-SS-SB-2 and TS-SS-SB-6 through TS-SS-SB-8) were advanced to depths of 15 feet below ground surface (bgs). One boring (TS-SS-SB-5) was advanced to 20 feet bgs. Three borings (TS-SS-SB-1, TS-SS-SB-3, and TS-SS-SB-4) were advanced to 25 feet bgs. The soil borings utilized direct push technology with a GeoProbe® (hydraulic soil probe system) drill rig. Drilling and sampling equipment was decontaminated before advancing each boring. The soil boring locations are shown on Figure 3, and logs are provided in Attachment A.

Soil samples were collected continuously from each boring and subdivided for field screening and in-field classification, which included noting soil type, grain size distribution, color, and moisture content. The soils were screened for total VOCs using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. The PID was calibrated on site prior to sampling following the manufacturer's instructions, using 100 parts per million (ppm) isobutylene span gas and zero air, with calibration checks performed between each screening event to ensure proper response. Elevated PID readings above 0.0 instrument units (IU) were recorded in borings TS-SS-SB-3 and TS-SS-SB-4, where strong odors and visual impacts were also observed. All other borings exhibited PID readings of 0.0 IU, with no noticeable odors or visual impacts detected.

Soil sampling generally included two samples per boring: one from the direct contact zone (0 to 4 feet bgs) and one from the uppermost native soil or directly above the water table, whichever came first. A third sample was collected from borings where elevated impacts were observed, based on PID readings, visual evidence, or odor. A third sample was only collected from two borings (TS-SS-SB-3 and TS-SS-SB-4), where PID readings indicated elevated VOC concentrations. Soil samples were submitted on ice to Pace Analytical Laboratory Inc. (Pace) in clean, appropriately preserved laboratory-supplied containers for analysis of VOCs by USEPA SW-846 Method 8260; polynuclear aromatic hydrocarbons (PAHs) by USEPA SW-846 Method 8270; Resource Conservation and Recovery Act (RCRA) metals by USEPA SW-846 Method 6010/7471; Dioxins and Furans by USEPA SW-846 Method 1613; and PCP by USEPA SW-846 Method 8270. One duplicate sample and one trip blank was submitted for quality assurance/quality control purposes.

2.4 Temporary Groundwater Monitoring Well Installation and Sampling

Following soil characterization and sampling, borings with significant fill thicknesses (greater than 4 feet) were converted into temporary groundwater monitoring wells, with a total of seven wells (TW-1 and TW-3 through TW-8) installed. All seven temporary wells were constructed using a 1-inch diameter polyvinyl chloride (PVC) pre-packed screen assembly, consisting of a 10-foot slotted PVC well screen surrounded by a stainless-steel 3/6 mesh, with sand packed between the mesh and screen. The screen was connected to a 0.75-inch Schedule 40 PVC riser pipe extending to the ground surface. The well assembly was lowered to the base of the boring, and the probe rods were retracted to expose the screen interval. A sand pack was placed above the well screen, followed by granular bentonite to seal the annular space. An expanding well plug was installed at the top of the PVC riser at or just above ground surface.

Each temporary monitoring well was surveyed to record vertical coordinates, including the top of PVC and ground surface elevation. This data allows for future reference and comparison of groundwater elevations relative to the fill materials. Following installation, each well was purged using a peristaltic pump to remove residual sediment and prepare for groundwater sampling. Temporary well locations are shown on Figure 3.

Initial and final groundwater depths were recorded before and after sampling, respectively, along with the total depth of each temporary well.

Ramboll collected a single round of groundwater samples on August 28, 2025, following well development. The groundwater samples were collected with low-flow sampling methods to minimize sample turbidity and obtain a sample that is more representative of the in-situ groundwater quality. Groundwater sampling equipment was thoroughly decontaminated between each sampling location, and new disposable tubing was utilized for sample collection for each well location. A new pair of nitrile gloves were used during the collection of each sample to minimize the potential for cross-contamination.

Groundwater samples were placed in clean, appropriately preserved laboratory-supplied containers. One duplicate sample and one trip blank was submitted for quality assurance/quality control purposes. Groundwater samples were submitted on ice to Pace in clean, appropriately preserved laboratory-supplied containers for analysis of VOCs by USEPA SW-846 Method 8260; PAHs by USEPA SW-846 Method 8270; RCRA metals (dissolved) by USEPA SW-846 Method 6010/7470; and Dioxins and Furans by USEPA SW-846 Method 1613. Field parameters dissolved oxygen (DO), oxidation-reduction

potential (ORP), pH, temperature, specific conductance, and turbidity were recorded via flow through cells to document the clarity/quality of the water sample.

Upon completion of groundwater sampling, the temporary monitoring wells were properly abandoned in accordance with WAC NR 141. Well materials were manually extracted from each borehole, and the resulting open holes were backfilled with bentonite chips to prevent vertical migration of contaminants and restore subsurface integrity. Abandonment logs are included in Attachment A.

2.5 Quality Assurance Project Plan

Sampling and analytical testing were completed in accordance with the May 2025 Sampling and Analysis Plan, as well as the updated February 2025 annual Quality Assurance Project Plan (QAPP) developed for the WDNR Wisconsin Assessment Monies (WAM) USEPA Brownfields Assessment Grant projects. Soil and groundwater samples were collected and managed per the QAPP. Quality assurance samples (one duplicate sample) were collected and submitted with the soil and groundwater samples collected during this field event, per the QAPP.

3. SOIL AND GROUNDWATER INVESTIGATION RESULTS

3.1 Geology and Hydrogeology

Based on the subsurface investigation, the Site is underlain by fill material to 2.5 to 8 feet bgs, consisting of sand mixed with silt and gravel followed by sand or sand mixed with gravel. Bedrock was not encountered in any of the borings.

The groundwater was encountered at depths around 8 to 25 feet bgs. Based on the local/regional topography at the Site and water table elevation measurements from temporary wells, the general direction of shallow groundwater flow in the area is to the east.

3.2 Soil Analytical Results

The soil sample analytical laboratory results were compared to the WAC NR 720 non-industrial direct contact and groundwater pathway Residual Contaminant Levels (RCLs). RCLs are calculated by the WDNR (October 2024) using the USEPA Regional Screening Level (RSL) Web Calculator. RCLs were developed based on risks to human health associated with direct contact at both industrial and non-industrial sites and risks associated with contaminant migration from soil to groundwater (i.e., the groundwater pathway).

The soil analytical results are summarized in Tables 1a and 1b, with exceedances shown on Figure 4. The laboratory reports, including chain-of-custody forms, are provided in Attachment B.

3.2.1 Area A Soil Investigation Results

TW-SS-SB-1, TW-SS-SB-2, and TW-SS-SB-3 were installed within the footprints of former single-residence structures at 110, 130, and 138 E. Thomas Street, respectively. TW-SS-SB-4 was installed north of the dry stormwater detention basin on the eastern portion of Area A, at 146 E. Thomas Street. The analytical results from the four soil borings installed in Area A are summarized below:

- **VOCs:** No VOCs were detected in samples taken from fill in the direct contact zone from 0 to 4 feet bgs. For the sample from the 18 to 20-foot interval at TS-SS-SB-3, concentrations of naphthalene (6.62 milligrams per kilogram [mg/kg]), total trimethylbenzenes (134 mg/kg), and total xylenes (4.71 mg/kg) exceeded the WAC NR 720 Groundwater Pathway RCL. For the sample

from the 16.5 to 18.5-foot bgs interval at TS-SS-SB-4, concentrations of naphthalene (2.67 mg/kg) and total trimethylbenzenes (152.7 mg/kg) exceeded the WAC NR 720 Groundwater Pathway RCL.

- **PAHs:** PAHs were detected at concentrations below RCLs in samples taken from fill in the direct contact zone. For the sample from the 18 to 20-foot bgs interval at TS-SS-SB-3, concentrations of 1-methylnaphthalene (0.559 mg/kg) and naphthalene (1.47 mg/kg) exceeded the WAC NR 720 Groundwater Pathway RCL. For the sample from the 16.5 to 18.5-foot interval at TS-SS-SB-4, the concentration of 1-methylnaphthalene (0.376 mg/kg) exceeded the WAC NR 720 Groundwater Pathway RCL.
- **Pentachlorophenol:** Concentrations of pentachlorophenol exceeded the WAC NR 720 Groundwater Pathway RCL for the sample from the 18 to 20-foot interval at TS-SS-SB-3 (1.47 mg/kg) and the sample from the 16.5 to 18.5-foot interval at TS-SS-SB-4 (1.45 mg/kg). Pentachlorophenol was not detected in any other samples.
- **Metals:** Concentrations of lead exceeded Wisconsin Background Threshold Values (BTVs) in fill samples from TS-SS-SB-1 (2 to 4 feet bgs), TS-SS-SB-2 (1 to 3 feet bgs), and TS-SS-SB-3 (2 to 4 feet bgs), at 58.2 mg/kg, 218 mg/kg, and 57.0 mg/kg respectively. Metal concentrations at all other locations from the depth intervals sampled were detected at concentrations below BTVs or RCLs.
- **Dioxins and Furans:** Total dioxin toxicity equivalence (TCDD TEQ) exceeded the WAC NR 720 industrial direct contact RCL for the fill sample from TS-SS-SB-4(2-3 feet bgs), with a concentration of 48.37 nanograms per kilogram (ng/kg). This sample also showed concentrations above the WAC NR 720 non-industrial direct contact RCL for the following compounds: 1,2,3,7,8-pentachlorodibenzo-p-dioxin (5.5 ng/kg), 1,2,3,4,7,8-hexachlorodibenzofuran (55 ng/kg), 1,2,3,6,7,8-hexachlorodibenzofuran (51 ng/kg estimated maximum possible concentration [EMPC]), 2,3,4,6,7,8-hexachlorodibenzofuran (62 ng/kg), and 2,3,4,7,8-pentachlorodibenzofuran (49 ng/kg EMPC). Concentrations of TCDD TEQ exceeded the WAC NR 720 non-industrial direct contact RCL for fill samples from TS-SS-SB-1 (2 to 4 feet bgs), TS-SS-SB-2 (1 to 3 feet bgs), and TS-SS-SB-3 (2 to 4 feet bgs), at 5.55 ng/kg, 11.54 ng/kg, and 6.32 ng/kg respectively.

3.2.2 Area B Soil Investigation Results

One soil boring, TW-SS-SB-5, was installed in Area B in the footprint of the former single residence structure at 212 E Thomas Street. The analytical results are summarized below:

- **VOCs:** All VOCs were below detection limits.
- **PAHs:** All PAHs were below detection limits.
- **Pentachlorophenol:** Concentrations of pentachlorophenol were below detection limits.
- **Metals:** Metals were detected at concentrations below BTVs or regulatory thresholds.
- **Dioxins and Furans:** All dioxins/furans were below detection limits or detected at concentrations below regulatory thresholds.

3.2.3 Area C Soil Investigation Results

One soil boring, TW-SS-SB-6, was installed in Area C in the footprint of the former single residence structure at 226 E. Thomas Street. The analytical results are summarized below:

- **VOCs:** All VOCs were below detection limits.

- **PAHs:** For the sample from the 2 to 4-foot interval (fill) at TS-SS-SB-6, concentrations of benzo(a)pyrene (0.667 mg/kg) and dibenz(a,h)anthracene (0.148 mg/kg) exceeded the WAC NR 720 non-industrial direct contact RCL. These compounds as well as benzo(b)fluoranthene (0.906 mg/kg) and chrysene (0.585 mg/kg) exceeded the groundwater pathway RCL. PAHs were detected at concentrations below regulatory thresholds in the sample taken from the 5 to 7-foot interval.
- **Pentachlorophenol:** Concentrations of pentachlorophenol were below detection limits.
- **Metals:** For the sample from the 2 to 4-foot interval (fill) at TS-SS-SB-6, the selenium concentration (1.8 mg/kg) exceeded the groundwater pathway RCL. No other BTV or RCL exceedances were found in this or the 5 to 7-foot interval.
- **Dioxins and Furans:** All dioxins/furans were below detection limits or detected at concentrations below regulatory thresholds.

3.2.4 Area D Soil Investigation Results

Two soil borings were installed in Area D. TW-SS-SB-7 was installed within the footprint of the former single residence at 237 E. Thomas Street. TW-SS-SB-8 was installed within the former residence/gasoline service station building footprint of 249 E. Thomas Street. The analytical results from these soil borings are summarized below:

- **VOCs:** All VOCs were below detection limits.
- **PAHs:** All PAHs were below detection limits or detected at concentrations below regulatory thresholds.
- **Pentachlorophenol:** Concentrations of pentachlorophenol were below detection limits.
- **Metals:** Samples TS-SS-SB-8 (1.5 to 3.5 feet bgs) and TS-SS-SB-8 (5 to 7 feet bgs) exceeded the groundwater pathway RCL for selenium with concentrations of 1.4 mg/kg and 3.4 mg/kg, respectively. No other BTV or RCL exceedances were found in these samples or those taken from TS-SS-SB-7.
- **Dioxins and Furans:** All dioxins/furans were below detection limits or detected at concentrations below regulatory thresholds.

3.3 Groundwater Analytical Results

Seven soil borings (TW-SS-SB-1 and TW-SS-SB-3 through TW-SS-SB-8) were converted to temporary monitoring wells TW-1 and TW-3 through TW-8. No visual evidence of contamination was observed during groundwater sample collection; however, samples from wells TW-3 and TW-4 exhibited noticeable odors. The groundwater sample analytical results from the temporary wells were compared to the WAC NR 140 ES and PAL.

The groundwater analytical results are summarized in Table 2, with exceedances shown on Figure 4. The laboratory reports, including chain-of-custody forms, are provided in Attachment B.

3.3.1 Area A Groundwater Investigation Results

Three temporary wells were installed in Area A to assess groundwater in areas with substantial fill. TW-1 and TW-3 were installed within the footprints of former single-residence structures at 110 E. Thomas Street and 138 E. Thomas Street, respectively. TW-4 was installed north of the dry stormwater detention basin on the eastern portion of Area A, at 146 E. Thomas Street. Results from the temporary wells are summarized below:

- **VOCs:** In TW-1, concentrations of 1,2,4-trimethylbenzene (1,410 µg/L), 1,3,5-trimethylbenzene (463 µg/L), o-xylene (232 µg/L), n-propylbenzene (95.1 µg/L), sec-butylbenzene (39.3 µg/L), and p-isopropyltoluene (56.7 µg/L) exceeded the ES and PAL. Ethylbenzene (23.9 µg/L), m&p-xylene (53.6 µg/L), and isopropylbenzene (48.6 µg/L) were detected but are below their respective ESs and PALs. In TW-3, 1,2,4-trimethylbenzene (727 µg/L) and trichloroethene (8.0 µg/L) exceeded the ES and PAL. In TW-4, 1,2,4-trimethylbenzene exceeded the ES and PAL (754 µg/L). All other VOCs were detected at concentrations below regulatory standards.
- **PAHs:** In TW-1, 1-methylnaphthalene (7.5 µg/L), 2-methylnaphthalene (9.9 µg/L), and naphthalene (61.4 µg/L) exceeded the ES and PAL. In TW-3, fluorene (0.098 µg/L), 1-methylnaphthalene (2.1 µg/L), 2-methylnaphthalene (1.9 µg/L), and naphthalene (14.9 µg/L) exceeded the ES and PAL. In TW-4, 1-methylnaphthalene (6.3 µg/L), 2-methylnaphthalene (7.9 µg/L), and naphthalene (26.5 µg/L) exceeded the ES and PAL. All other PAHs were detected at concentrations below regulatory standards.
- **Metals:** In TW-1, dissolved barium (74.6 µg/L) was below both the ES and PAL. In TW-3, dissolved barium (106 µg/L) and mercury (0.14 µg/L) were below the ES but exceeded the PALs. In TW-4, dissolved arsenic (5.4 µg/L) exceeded the PAL but was below the ES, and barium (15.3 µg/L) was below both the ES and PAL. No additional metals were detected in any well.
- **Dioxins and Furans:** All dioxins/furans were below detection limits or detected at concentrations below regulatory standards.

3.3.2 Area B Groundwater Investigation Results

One temporary well, TW-5, was installed in Area B in the footprint of the former single residence structure at 212 E. Thomas Street. Results from TW-5 are summarized below:

- **VOCs:** All VOCs were below detection limits.
- **PAHs:** All PAHs were below detection limits.
- **Metals:** Dissolved arsenic (5.7 µg/L) was below the ES but exceeded the PAL, and barium (26.5 µg/L) was below both the ES and PAL. No additional metals were detected.
- **Dioxins and Furans:** All dioxins/furans were below detection limits or detected at concentrations below regulatory standards.

3.3.3 Area C Groundwater Investigation Results

One temporary well, TW-6, was installed in Area C in the footprint of the former single residence structure at 226 E. Thomas Street. Results from TW-6 are summarized below:

- **VOCs:** All VOCs were below detection limits.
- **PAHs:** All PAHs were below detection limits.
- **Metals:** Dissolved barium (55.6 µg/L) was below both the ES and PAL. No additional metals were detected.
- **Dioxins and Furans:** All dioxins/furans were below detection limits or detected at concentrations below regulatory standards.

3.3.4 Area D Groundwater Investigation Results

Two temporary wells (TW-7 and TW-8, were installed in Area D. TW-7 was installed within the footprint of the former single residence at 237 E. Thomas Street. TW-8 was installed within the former

residence/gasoline service station building footprint of 249 E. Thomas Street. Results from both temporary wells are summarized below:

- **VOCs:** In TW-7, chloromethane (1.7 µg/L) was detected but was below both the ES and PAL. No VOCs were detected in TW-8.
- **PAHs:** All PAHs were below detection limits in both wells.
- **Metals:** In TW-7, dissolved barium (91.3 µg/L) was below both the ES and PAL, and dissolved mercury (0.12 µg/L) was below the ES but above the PAL. In TW-8, dissolved barium (50.3 µg/L) was below both the ES and PAL, and dissolved mercury (0.10 µg/L) was below the ES but above the PAL. No additional metals were detected in either well.
- **Dioxins and Furans:** All dioxins/furans were below detection limits or detected at concentrations below regulatory standards.

4. CONCLUSIONS

Ramboll completed a Phase II ESA at the Site to evaluate the chemical composition of possible fill soils and determine if groundwater has been impacted by the fill. The scope of the Phase II ESA was based on the Phase I ESA completed in October 2024, conversations with the WDNR, and the Sampling Analysis Plan dated March 19, 2025.

Data collected from eight soil borings showed fill material present to depths of 2.5 to 8 feet bgs, consisting of sand mixed with silt and gravel. Fill material in Area A contained dioxins/furans exceeding non-industrial direct contact RCLs, and in one case (total TCDD TEQ at TS-SS-SB-4) exceeded the industrial direct contact RCL. Analytical results from fill material in Area C showed groundwater and non-industrial direct contact RCL exceedances for PAHs. Metals concentrations in fill soils also exceeded BTVs or RCLs: lead in Area A and selenium in Areas C and D. No fill material samples exceeded regulatory limits for VOCs or PCP.

Deeper, native soils from the east side of Area A (18 to 20-foot interval at TS-SS-SB-3- and 16.5 to 18.5-foot interval at TS-SS-SB-4) had RCL exceedances for VOCs, PAHs, and PCP. Two of these compounds, naphthalene and trimethylbenzenes, also exceeded groundwater standards at the corresponding temporary wells. PCP was not analyzed in groundwater for this sampling event, but soil results are consistent with the 2023 annual groundwater report for the adjoining Wauleco property (Phase I ESA, 2024).

Regulatory exceedances in fill soils at the Site did not correspond to groundwater exceedances at the seven temporary wells. For example, soil from Area C contained benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and dibenz(a,h)anthracene. These compounds were undetected in groundwater. While lead and selenium were present in fill soils, they were undetected in groundwater. Conversely, chlorinated compounds (tetrachloroethene and trichloroethene) were present in groundwater but were not detected in the soil.

Further investigation is needed to determine the sources of groundwater impacts at the Site.

TABLES

Table 1a. Soil Analytical Results - Dioxins and Furans

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Toxic Equivalency Factor ²	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	Area A							
Sample Depth (feet-BGS):						TS-SS-SB-1(2-4)	TS-SS-SB-1(6-8)	TS-SS-SB-2(1-3)	TS-SS-SB-2(3.5-5.5)	TS-SS-SB-3(2-4)	TS-SS-SB-3(8-10)	TS-SS-SB-3(18-20)	TS-SS-SB-4(2-3)
Approximate Water Table Depth (feet BGS):						2 - 4	6 - 8	1 - 3	3.5 - 5.5	2 - 4	8 - 10	18 - 20	2 - 3
Soil Type:						24.65	24.65	>15	>15	17.7	17.7	17.7	17.42
Sample Date:						Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Sand (native)	Fill
		8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025			
Dioxins/Furans													
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	ng/kg	0.01	NS	2190	484	110	0.25 J	240	19	120	0.30 J	100000	75
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	2.0 J	0.20 J+	3.7 J	0.18 J	1.7 J	0.14 J	< 67	8.2
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	5.2	< 0.041	11	0.75 J	6.0	0.057 J	2500	10
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	3.2 J	< 0.043	7.1	0.16 J	3.8 J	< 0.024	360	9.0
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	ng/kg	1	NS	22.3	4.93	1.0 J	< 0.034	1.5 J	< 0.055	0.96 J	< 0.021	6.8	5.5
2,3,7,8-Tetrachlorodibenzo-p-dioxin	ng/kg	1	30	21.8	4.82	< 0.061	< 0.10	0.23 J	< 0.13	0.15 J	< 0.15	1.6	1.0
HpCDD (total)	ng/kg	--	NS	NS	NS	220	0.25 J	450	30	230	< 0.045	160000	150
HxCDD (total)	ng/kg	--	NS	NS	NS	44	0.20 J+	93	2.0 J	47	< 0.023	7900	130
Octachlorodibenzo-p-dioxin	ng/kg	0.0003	NS	74400	16400	820	3.8 J	1800	160	910	7.6 J+	930000 J	150
PeCDD (total)	ng/kg	--	NS	NS	NS	5.4	< 0.034	16	< 0.055	8.0	< 0.021	70	71
TCDD (total)	ng/kg	--	NS	NS	NS	1.8	0.15 J+	4.4	< 0.13	5.8	< 0.15	39	31
1,2,3,4,6,7,8-Heptachlorodibenzofuran	ng/kg	0.01	NS	2220	490	48	0.090 J	91	6.3	48	0.098 J	47000 J	200
1,2,3,4,7,8,9-Heptachlorodibenzofuran	ng/kg	0.01	NS	2220	490	2.3 J	< 0.10	4.0 J	0.48 J	2.6 J	< 0.089	3800	24
1,2,3,4,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	220	48.5	2.5 J	< 0.036	5.7	0.47 J	2.9 J	< 0.052	2200 J	55
1,2,3,6,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	220	48.5	2.9 J	< 0.038	6.4	0.22 J	2.5 J	< 0.056	340	51 J
1,2,3,7,8,9-Hexachlorodibenzofuran	ng/kg	0.1	NS	223	49.3	0.85 J	0.064 J	1.4 J	0.23 J	0.79 J	0.12 J	420	24
1,2,3,7,8-Pentachlorodibenzofuran	ng/kg	0.03	NS	744	164	0.65 J	< 0.043	1.7 J	< 0.093	0.99 J	< 0.061	78 J	23
2,3,4,6,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	223	49.3	3.3 J	< 0.034	7.8	0.18 J	3.9 J	< 0.050	490	62
2,3,4,7,8-Pentachlorodibenzofuran	ng/kg	0.3	NS	74.4	16.4	1.8 J	< 0.029	4.4	0.090 J	2.9 J	< 0.045	330	49 J
2,3,7,8-Tetrachlorodibenzofuran	ng/kg	0.1	NS	219	48.4	0.73 J+	0.14 J+	2.1	0.17 J+	1.5 J+	0.13 J	29	15
HpCDF (total)	ng/kg	--	NS	NS	NS	93	0.090 J+	190	30	120	0.37 J+	170000	300
HxCDF (total)	ng/kg	--	NS	NS	NS	66	< 0.034	130	7.9	70	0.12 J	39000	470
Octachlorodibenzofuran	ng/kg	0.0003	NS	74400	16400	58	0.27 J	110	34	90	0.47 J	220000	94
PeCDF (total)	ng/kg	--	NS	NS	NS	29	< 0.029	70	< 0.065	47	< 0.045	1600	420
Tetrachlorodibenzofuran	ng/kg	--	NS	NS	NS	12	0.14 J+	42	0.17 J+	30	< 0.10	290	320
Total TCDD TEQ ¹	ng/kg	--	NS	21.8	4.82	5.55	0.21	11.54	0.77	6.32	0.26	2603.34	48.37

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exceeds the Soil-to-Groundwater Pathway RCL, DF 2
exceeds the Industrial Direct Contact RCL
exceeds the Non-Industrial Direct Contact RCL
result exceeds one or more screening criteria

Results & Flags:
-- = Analysis not performed
< = Concentration is less than reported limit
J = Estimated concentration
J+ = Indicates a concentration estimated with high bias

Acronyms:
bgs = below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
DC (or D-C) = Direct-Contact
DF 2 = Dilution Factor of 2
ng/kg = nanograms per kilogram
NS = No Standard
RCL = NR720 Soil Residual Contaminant Level (WDNR)
TEQ = Toxicity Equivalent Quotient

Superscripts:
1. Total TCDD TEQ is calculated as the sum of the (17) Dioxin and Furan concentrations multiplied by their respective Toxic Equivalence Factor.
a. Non-detects calculated using the reporting limit
2. Toxicity Equivalence Factors are World Health Organization (WHO) 2005 values.

Screening Criteria:
Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated October 2024.
Direct Contact RCLs are compared to samples 0-4 feet bgs.
Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Table 1a. Soil Analytical Results - Dioxins and Furans

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Toxic Equivalency Factor ²	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	Area A		Area B		Area C		Area D	
Sample Depth (feet-BGS):						TS-SS-SB-4(3-5)	TS-SS-SB-4(16.5-18.5)	TS-SS-SB-5(2-4)	TS-SS-SB-5(4.5-6.5)	TS-SS-SB-6(2-4)	TS-SS-SB-6(5-7)	TS-SS-SB-7(2-4)	TS-SS-SB-7(9-11)
Approximate Water Table Depth (feet BGS):						3 - 5	16.5 - 18.5	2 - 4	4.5 - 6.5	2 - 4	5 - 7	2 - 4	9 - 11
Soil Type:						17.42	17.42	14.15	14.15	9.40	9.40	8.38	8.38
Sample Date:						Sand (native)	Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)
		8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025
Dioxins/Furans													
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	ng/kg	0.01	NS	2190	484	0.92 J	53000 J	14	4.1	4.0	2.1 J	1.4 J	0.55 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	0.17 J+	43 J	0.14 J	0.14 J+	0.16 J	0.13 J	0.16 J	0.18 J+
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	0.072 J	1800	0.63 J	0.17 J	0.17 J	0.10 J	< 0.026	< 0.029
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	< 0.023	160	0.18 J	0.038 J	0.086 J	0.076 J	0.064 J	< 0.031
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	ng/kg	1	NS	22.3	4.93	< 0.035	2.6 J	< 0.040	< 0.026	0.055 J	< 0.018	< 0.025	< 0.039
2,3,7,8-Tetrachlorodibenzo-p-dioxin	ng/kg	1	30	21.8	4.82	< 0.046	0.57 J	< 0.048	< 0.055	< 0.032	< 0.14	< 0.054	< 0.091
HpCDD (total)	ng/kg	--	NS	NS	NS	1.6 J	84000 J	22	6.6	7.8	3.9	2.9 J	0.57 J
HxCDD (total)	ng/kg	--	NS	NS	NS	0.28 J+	5000	1.9 J	0.54 J+	1.1 J	< 0.022	0.85 J+	0.28 J+
Octachlorodibenzo-p-dioxin	ng/kg	0.0003	NS	74400	16400	8.7 J+	470000 J	110	32 J+	45 J+	19 J+	22 J+	6.6 J+
PeCDD (total)	ng/kg	--	NS	NS	NS	< 0.035	30	< 0.040	< 0.026	0.46 J	< 0.018	0.68 J	< 0.039
TCDD (total)	ng/kg	--	NS	NS	NS	< 0.046	12	< 0.048	< 0.055	< 0.032	< 0.14	< 0.054	< 0.091
1,2,3,4,6,7,8-Heptachlorodibenzofuran	ng/kg	0.01	NS	2220	490	0.41 J	17000	4.4	1.4 J	1.2 J	0.63 J	0.27 J	0.18 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran	ng/kg	0.01	NS	2220	490	< 0.058	950	0.29 J	< 0.037	< 0.018	< 0.068	< 0.042	< 0.078
1,2,3,4,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	220	48.5	0.095 J	1300	0.35 J	0.069 J	0.10 J	< 0.040	< 0.049	< 0.046
1,2,3,6,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	220	48.5	0.049 J	230	0.19 J	0.053 J	0.083 J	< 0.040	< 0.047	< 0.044
1,2,3,7,8,9-Hexachlorodibenzofuran	ng/kg	0.1	NS	223	49.3	0.099 J	260	0.19 J	0.094 J	0.080 J	< 0.056	0.10 J	< 0.067
1,2,3,7,8-Pentachlorodibenzofuran	ng/kg	0.03	NS	744	164	< 0.028	54	< 0.042	< 0.028	< 0.023	< 0.037	< 0.051	< 0.038
2,3,4,6,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	223	49.3	0.097 J	360	0.14 J	< 0.030	0.12 J	< 0.040	< 0.048	< 0.045
2,3,4,7,8-Pentachlorodibenzofuran	ng/kg	0.3	NS	74.4	16.4	0.057 J	220	0.073 J	< 0.019	0.32 J	< 0.026	< 0.034	< 0.026
2,3,7,8-Tetrachlorodibenzofuran	ng/kg	0.1	NS	219	48.4	0.16 J+	21	0.12 J	0.091 J	0.21 J+	0.15 J	0.18 J+	0.12 J
HpCDF (total)	ng/kg	--	NS	NS	NS	1.5 J	18000	21	5.9	3.8	2.1 J	0.72 J+	0.35 J+
HxCDF (total)	ng/kg	--	NS	NS	NS	0.62 J	7500	5.0	1.5 J	2.8 J	0.66 J	0.27 J	< 0.044
Octachlorodibenzofuran	ng/kg	0.0003	NS	74400	16400	1.7 J	110000 J	23	8.6	2.6 J	1.6 J	0.46 J	0.36 J
PeCDF (total)	ng/kg	--	NS	NS	NS	0.070 J	1500	< 0.028	< 0.019	3.8	0.22 J	< 0.034	< 0.026
Tetrachlorodibenzofuran	ng/kg	--	NS	NS	NS	0.28 J+	190	0.11 J+	0.086 J+	1.7	0.19 J+	0.33 J+	< 0.057
Total TCDD TEQ ¹	ng/kg	--	NS	21.8	4.82	0.19	1371.69	0.53	0.22	0.35	0.26	0.18	0.21

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exceeds the Soil-to-Groundwater Pathway RCL, DF 2
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Results & Flags:
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Superscripts:
1. Total TCDD TEQ is calculated as the sum of the (17) Dioxin and Furan concentrations multiplied by their respective Toxic Equivalence Factor.
a. Non-detects calculated using the reporting limit
2. Toxicity Equivalence Factors are World Health Organization (WHO) 2005 values.

Screening Criteria:
Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated October 2024.
Direct Contact RCLs are compared to samples 0-4 feet bgs.
Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Sample Location:		Toxic Equivalency Factor ²	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	Area D		
Sample Depth (feet-BGS):						TS-SS-SB-8(1.5-3.5)	TS-SS-SB-8(5-7)	DUP-1_20250819
Approximate Water Table Depth (feet BGS):						1.5 - 3.5	5 - 7	-
Soil Type:						9.41	9.41	-
Sample Date:						Fill	Sand (native)	-
		8/19/2025	8/19/2025	8/19/2025				
Dioxins/Furans								
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	ng/kg	0.01	NS	2190	484	0.80 J	0.20 J	10
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	0.19 J+	0.19 J	0.21 J+
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	< 0.058	< 0.037	0.40 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	ng/kg	0.1	NS	223	49.3	< 0.062	< 0.039	0.15 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	ng/kg	1	NS	22.3	4.93	< 0.034	< 0.024	0.050 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin	ng/kg	1	30	21.8	4.82	< 0.069	< 0.037	< 0.027
HpCDD (total)	ng/kg	--	NS	NS	NS	0.80 J	0.43 J	16
HxCDD (total)	ng/kg	--	NS	NS	NS	0.48 J+	< 0.037	1.7 J+
Octachlorodibenzo-p-dioxin	ng/kg	0.0003	NS	74400	16400	8.6 J+	4.2 J	90
PeCDD (total)	ng/kg	--	NS	NS	NS	0.061 J	< 0.024	0.023 J
TCDD (total)	ng/kg	--	NS	NS	NS	0.42 J+	< 0.037	0.084 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	ng/kg	0.01	NS	2220	490	0.30 J	< 0.081	3.4 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran	ng/kg	0.01	NS	2220	490	< 0.10	< 0.13	0.34 J
1,2,3,4,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	220	48.5	< 0.071	< 0.040	0.26 J
1,2,3,6,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	220	48.5	< 0.070	< 0.040	0.079 J
1,2,3,7,8,9-Hexachlorodibenzofuran	ng/kg	0.1	NS	223	49.3	< 0.11	0.092 J	0.27 J
1,2,3,7,8-Pentachlorodibenzofuran	ng/kg	0.03	NS	744	164	< 0.034	< 0.032	0.38 J
2,3,4,6,7,8-Hexachlorodibenzofuran	ng/kg	0.1	NS	223	49.3	0.075 J	< 0.036	0.16 J
2,3,4,7,8-Pentachlorodibenzofuran	ng/kg	0.3	NS	74.4	16.4	0.076 J	< 0.022	0.10 J
2,3,7,8-Tetrachlorodibenzofuran	ng/kg	0.1	NS	219	48.4	0.20 J+	0.14 J+	0.15 J+
HpCDF (total)	ng/kg	--	NS	NS	NS	< 0.062	< 0.081	17
HxCDF (total)	ng/kg	--	NS	NS	NS	0.31 J	0.092 J	4.4
Octachlorodibenzofuran	ng/kg	0.0003	NS	74400	16400	0.53 J	0.19 J	20
PeCDF (total)	ng/kg	--	NS	NS	NS	0.48 J	< 0.022	0.34 J
Tetrachlorodibenzofuran	ng/kg	--	NS	NS	NS	1.3 J+	0.24 J+	0.23 J+
Total TCDD TEQ ¹	ng/kg	--	NS	21.8	4.82	0.23	0.14	0.46

[O:JJB 11/19/25, U:JJB 12/12/25, C:KRP 12/15/25]

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exceeds the Soil-to-Groundwater Pathway RCL, DF 2
exceeds the Industrial Direct Contact RCL
exceeds the Non-Industrial Direct Contact RCL
result exceeds one or more screening criteria

Results & Flags:
-- = Analysis not performed
< = Concentration is less than reported limit
J = Estimated concentration
J+ = Indicates a concentration estimated with high bias

Acronyms:
bgs = below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
DC (or D-C) = Direct-Contact
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RCL = NR720 Soil Residual Contaminant Level (WDNR)
TEQ = Toxicity Equivalent Quotient

Superscripts:
1. Total TCDD TEQ is calculated as the sum of the (17) Dioxin and Furan concentrations multiplied by their respective Toxic Equivalence Factor.
 a. Non-detects calculated using the reporting limit
2. Toxicity Equivalence Factors are World Health Organization (WHO) 2005 values.

Screening Criteria:
Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated October 2024.
Direct Contact RCLs are compared to samples 0-4 feet bgs.
Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	Area A								
Sample Depth (feet-BGS):						TS-SS-SB-1(2-4)	TS-SS-SB-1(6-8)	TS-SS-SB-2(1-3)	TS-SS-SB-2(3.5-5.5)	TS-SS-SB-3(2-4)	TS-SS-SB-3(8-10)	TS-SS-SB-3(18-20)	TS-SS-SB-4(2-3)	TS-SS-SB-4(3-5)
Approximate Water Table Depth (feet BGS):						2 - 4	6 - 8	1 - 3	3.5 - 5.5	2 - 4	8 - 10	18 - 20	2 - 3	3 - 5
Soil Type:						24.65	24.65	>15	>15	17.7	17.7	17.7	17.42	17.42
Sample Date:						Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Sand (native)	Fill	Sand (native)
		8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025				
Total Metals														
Arsenic	mg/kg	8.3	0.584	3	0.677	<1.7	<1.9	7.6	<1.6	7.0	<1.4	<3.1	<1.6	<1.4
Barium	mg/kg	364	164.8	100000	15300	64.2	15.8	121	21.2	123	15.5	45.2	30.1	24.5
Cadmium	mg/kg	1.07	0.752	99.7	7.14	<0.15	<0.17	0.45 J	<0.15	<0.18	<0.12	<0.28	<0.14	<0.13
Chromium (total)	mg/kg	43.5	360000	NS	NS	13.7	11.5	18.2	9.5	25.5	7.5	25.0	14.1	13.8
Lead	mg/kg	51.6	27	800	200	58.2	0.90 J	218	1.9 J	57.0	0.88 J	3.9 J	2.8	1.9 J
Mercury	mg/kg	NS	0.208	3.13	3.13	0.027 J	<0.024	0.070	<0.021	0.047	<0.019	<0.021	<0.024	<0.020
Selenium	mg/kg	NS	0.52	5840	391	<1.5	<1.7	<1.4	<1.5	<1.8	<1.2	<2.8	<1.4	<1.3
Silver	mg/kg	NS	0.849	5840	391	<0.35	<0.39	<0.32	<0.34	<0.42	<0.29	<0.64	<0.33	<0.30
PAHs														
1-Methylnaphthalene	mg/kg	NS	NS	1.11	0.265	<0.0031	<0.0031	<0.0029	<0.0028	<0.0035	<0.0026	0.559	<0.0030	<0.0025
2-Methylnaphthalene	mg/kg	NS	NS	3010	239	<0.0031	<0.0031	<0.0029	<0.0028	<0.0035	<0.0026	0.89	<0.0030	<0.0025
Acenaphthene	mg/kg	NS	NS	45200	3590	<0.0027	<0.0028	<0.0026	<0.0025	<0.0031	<0.0023	0.0140 J	<0.0027	<0.0023
Acenaphthylene	mg/kg	NS	NS	NS	NS	<0.0026	<0.0027	0.0219	<0.0024	0.0092 J	<0.0022	<0.0117	<0.0026	<0.0022
Anthracene	mg/kg	NS	196.9	100000	17900	<0.0026	<0.0026	0.0168 J	<0.0024	0.0077 J	<0.0022	<0.0115	<0.0025	<0.0022
Benzo(a)anthracene	mg/kg	NS	NS	20.8	1.14	0.0074 J	<0.0027	0.0729	<0.0025	0.0287	<0.0023	<0.0119	<0.0027	<0.0023
Benzo(a)pyrene	mg/kg	NS	0.47	2.11	0.115	0.0096 J	<0.0024	0.101	<0.0022	0.0438	<0.0020	<0.0105	<0.0023	<0.0020
Benzo(b)fluoranthene	mg/kg	NS	0.478	21.1	1.15	0.0153 J	<0.0030	0.137	<0.0027	0.0582	<0.0024	<0.0128	<0.0029	<0.0024
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	0.0113 J	<0.0037	0.0750	<0.0034	0.0322	<0.0031	<0.0162	<0.0036	<0.0031
Benzo(k)fluoranthene	mg/kg	NS	NS	211	11.5	0.0071 J	<0.0027	0.0550	<0.0025	0.0231 J	<0.0023	<0.0118	<0.0026	<0.0022
Chrysene	mg/kg	NS	0.144	2110	115	0.0112 J	<0.0040	0.103	<0.0036	0.0418	<0.0033	<0.0174	<0.0039	<0.0033
Dibenz(a,h)anthracene	mg/kg	NS	NS	2.11	0.115	<0.0029	<0.0029	0.0202	<0.0027	0.0059 J	<0.0024	<0.0128	<0.0028	<0.0024
Fluoranthene	mg/kg	NS	88.9	30100	2390	0.0174 J	<0.0025	0.184	<0.0023	0.0722	<0.0021	<0.0109	<0.0024	<0.0021
Fluorene	mg/kg	NS	14.8	30100	2390	<0.0025	<0.0026	0.0033 J	<0.0023	<0.0029	<0.0021	<0.0111	<0.0025	<0.0021
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	21.1	1.15	0.0068 J	<0.0044	0.0591	<0.0040	0.0252	<0.0037	<0.0193	<0.0043	<0.0036
Naphthalene	mg/kg	NS	0.66	10.2	2.4	<0.0020	<0.0021	0.0037 J	<0.0019	0.0028 J	<0.0017	1.47	<0.0020	<0.0017
Phenanthrene	mg/kg	NS	NS	NS	NS	0.0036 J	<0.0024	0.0546	<0.0022	0.0222 J	<0.0020	0.0385 J	<0.0024	<0.0020
Pyrene	mg/kg	NS	54.54	22600	1790	0.0128 J	<0.0031	0.136	<0.0028	0.0555	<0.0026	<0.0136	<0.0030	<0.0026
PCP														
Pentachlorophenol	mg/kg	NS	0.00276	3.97	1.02	<0.258	<0.105	<0.243	<0.0948	<0.293	<0.0867	1.47	<0.101	<0.0856

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	Area A								
Sample Depth (feet-BGS):						TS-SS-SB-1(2-4)	TS-SS-SB-1(6-8)	TS-SS-SB-2(1-3)	TS-SS-SB-2(3.5-5.5)	TS-SS-SB-3(2-4)	TS-SS-SB-3(8-10)	TS-SS-SB-3(18-20)	TS-SS-SB-4(2-3)	TS-SS-SB-4(3-5)
Approximate Water Table Depth (feet BGS):						2 - 4	6 - 8	1 - 3	3.5 - 5.5	2 - 4	8 - 10	18 - 20	2 - 3	3 - 5
Soil Type:						Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Sand (native)	Fill	Sand (native)
Sample Date:						8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025
VOCs														
1,1,1,2-Tetrachloroethane	mg/kg	NS	0.0534	12.3	2.78	<0.0181	<0.0186	<0.0164	<0.0157	<0.0222	<0.0133	<0.364	<0.0175	<0.0130
1,1,1-Trichloroethane	mg/kg	NS	0.1402	640	640	<0.0193	<0.0198	<0.0175	<0.0167	<0.0237	<0.0142	<0.389	<0.0187	<0.0139
1,1,2,2-Tetrachloroethane	mg/kg	NS	0.000156	3.6	0.81	<0.0273	<0.0280	<0.0247	<0.0237	<0.0335	<0.0200	<0.55	<0.0264	<0.0197
1,1,2-Trichloroethane	mg/kg	NS	0.00324	7.01	1.59	<0.0275	<0.0282	<0.0248	<0.0238	<0.0337	<0.0202	<0.553	<0.0266	<0.0198
1,1-Dichloroethane	mg/kg	NS	0.483	22.2	5.06	<0.0193	<0.0198	<0.0175	<0.0167	<0.0237	<0.0142	<0.389	<0.0187	<0.0139
1,1-Dichloroethene	mg/kg	NS	0.00502	1190	320	<0.0250	<0.0257	<0.0227	<0.0217	<0.0307	<0.0184	<0.504	<0.0242	<0.0180
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	<0.0244	<0.0251	<0.0221	<0.0212	<0.0300	<0.0179	<0.492	<0.0237	<0.0176
1,2,3-Trichlorobenzene	mg/kg	NS	NS	934	62.6	<0.0840	<0.0863	<0.0760	<0.0728	<0.103	<0.0617	<1.69	<0.0814	<0.0605
1,2,3-Trichloropropane	mg/kg	NS	0.052	0.109	0.0051	<0.0367	<0.0376	<0.0332	<0.0318	<0.0450	<0.0269	<0.738	<0.0355	<0.0264
1,2,4-Trichlorobenzene	mg/kg	NS	0.408	113	24	<0.0621	<0.0638	<0.0562	<0.0539	<0.0763	<0.0456	<1.25	<0.0602	<0.0447
1,2-Dibromo-3-chloropropane	mg/kg	NS	0.0001728	0.0923	0.0075	<0.0585	<0.0601	<0.0529	<0.0507	<0.0718	<0.0430	<1.18	<0.0567	<0.0421
1,2-Dibromoethane	mg/kg	NS	0.0000282	0.221	0.05	<0.0207	<0.0212	<0.0187	<0.0179	<0.0254	<0.0152	<0.416	<0.0200	<0.0149
1,2-Dichlorobenzene	mg/kg	NS	1.168	376	376	<0.0264	<0.0271	<0.0239	<0.0229	<0.0324	<0.0194	<0.532	<0.0256	<0.0190
1,2-Dichloroethane	mg/kg	NS	0.00284	2.87	0.652	<0.0173	<0.0178	<0.0157	<0.0150	<0.0213	<0.0127	<0.349	<0.0168	<0.0125
1,2-Dichloropropane	mg/kg	NS	0.00332	15	3.4	<0.0179	<0.0184	<0.0162	<0.0156	<0.0220	<0.0132	<0.362	<0.0174	<0.0129
1,3-Dichlorobenzene	mg/kg	NS	1.15	297	297	<0.0222	<0.0228	<0.0201	<0.0192	<0.0272	<0.0163	<0.447	<0.0215	<0.0160
1,3-Dichloropropane	mg/kg	NS	NS	1490	1490	<0.0164	<0.0169	<0.0149	<0.0143	<0.0202	<0.0121	<0.331	<0.0159	<0.0118
cis-1,3-Dichloropropene	mg/kg	NS	NS	1210	1210	<0.0498	<0.0511	<0.0450	<0.0431	<0.0611	<0.0365	<1	<0.0482	<0.0358
trans-1,3-Dichloropropene	mg/kg	NS	NS	1510	1510	<0.216	<0.222	<0.195	<0.187	<0.265	<0.158	<4.35	<0.209	<0.155
1,3-Dichloropropene ¹	mg/kg	NS	0.000285	10.6	2.370	<0.2658	<0.2731	<0.24	<0.2301	<0.3261	<0.1945	<5.35	<0.2572	<0.1908
1,4-Dichlorobenzene	mg/kg	NS	0.144	16.4	3.74	<0.0232	<0.0238	<0.0210	<0.0201	<0.0284	<0.0170	<0.467	<0.0224	<0.0167
2,2-Dichloropropane	mg/kg	NS	NS	191	191	<0.0204	<0.0209	<0.0184	<0.0177	<0.0250	<0.0149	<0.41	<0.0197	<0.0147
2-Chlorotoluene	mg/kg	NS	NS	907	907	<0.0244	<0.0251	<0.0221	<0.0212	<0.0300	<0.0179	<0.492	<0.0237	<0.0176
4-Chlorotoluene	mg/kg	NS	NS	253	253	<0.0287	<0.0294	<0.0259	<0.0248	<0.0352	<0.0210	<0.577	<0.0278	<0.0206
Benzene	mg/kg	NS	0.00512	7.07	1.6	<0.0179	<0.0184	<0.0162	<0.0156	<0.0220	<0.0132	<0.362	<0.0174	<0.0129
Bromobenzene	mg/kg	NS	NS	679	342	<0.0294	<0.0302	<0.0266	<0.0255	<0.0361	<0.0216	<0.593	<0.0285	<0.0212
Bromochloromethane	mg/kg	NS	NS	906	216	<0.0207	<0.0212	<0.0187	<0.0179	<0.0254	<0.0152	<0.416	<0.0200	<0.0149
Bromodichloromethane	mg/kg	NS	0.0003255	1.83	0.418	<0.0179	<0.0184	<0.0162	<0.0156	<0.0220	<0.0132	<0.362	<0.0174	<0.0129
Bromoform	mg/kg	NS	0.002332	113	25.4	<0.332	<0.341	<0.3	<0.288	<0.407	<0.244	<6.69	<0.321	<0.239
Bromomethane	mg/kg	NS	0.00506	43	9.6	<0.106	<0.109	<0.0956	<0.0916	<0.13	<0.0776	<2.13	<0.102	<0.0761
Carbon Tetrachloride	mg/kg	NS	0.00388	4.03	0.916	<0.0166	<0.0170	<0.0150	<0.0144	<0.0204	<0.0122	<0.334	<0.0161	<0.0119
Chlorobenzene	mg/kg	NS	0.1358	761	370	<0.0090	<0.0093	<0.0082	<0.0078	<0.0111	<0.0066	<0.182	<0.0087	<0.0065
Chloroethane	mg/kg	NS	0.227	2120	2120	<0.0318	<0.0327	<0.0288	<0.0276	<0.0391	<0.0234	<0.641	<0.0308	<0.0229
Chloroform	mg/kg	NS	0.00333	1.98	0.454	<0.0540	<0.0555	<0.0488	<0.0468	<0.0663	<0.0396	<1.09	<0.0523	<0.0389
Chloromethane	mg/kg	NS	0.0155	669	159	<0.0287	<0.0294	<0.0259	<0.0248	<0.0352	<0.0210	<0.577	<0.0278	<0.0206
cis-1,2-Dichloroethene	mg/kg	NS	0.0412	498	76.7	<0.0161	<0.0166	<0.0146	<0.0140	<0.0198	<0.0118	<0.325	<0.0156	<0.0116
Cumene	mg/kg	NS	NS	268	268	<0.0258	<0.0265	<0.0233	<0.0223	<0.0316	<0.0189	3.12	<0.0250	<0.0185
Dibromochloromethane	mg/kg	NS	0.03195	38.9	8.28	<0.258	<0.265	<0.233	<0.223	<0.316	<0.189	<5.19	<0.25	<0.186
Dibromomethane	mg/kg	NS	NS	143	34	<0.0223	<0.0229	<0.0202	<0.0193	<0.0274	<0.0164	<0.45	<0.0216	<0.0161
Dichlorodifluoromethane	mg/kg	NS	3.09	530	126	<0.0324	<0.0333	<0.0293	<0.0281	<0.0398	<0.0238	<0.653	<0.0314	<0.0233
Diisopropyl ether	mg/kg	NS	NS	2260	2260	<0.0187	<0.0192	<0.0169	<0.0162	<0.0230	<0.0137	<0.377	<0.0181	<0.0135
Ethyl Benzene	mg/kg	NS	1.57	35.4	8.02	<0.0179	<0.0184	<0.0162	<0.0156	<0.0220	<0.0132	0.395 J	<0.0174	<0.0129
Hexachlorobutadiene	mg/kg	NS	NS	7.19	1.63	<0.15	<0.154	<0.136	<0.13	<0.184	<0.11	<3.02	<0.145	<0.108
Methyl tert-butyl ether	mg/kg	NS	0.027	282	63.8	<0.0222	<0.0228	<0.0201	<0.0192	<0.0272	<0.0163	<0.447	<0.0215	<0.0160
Methylene Chloride	mg/kg	NS	0.00256	1150	61.8	<0.0210	<0.0215	<0.0190	<0.0182	<0.0257	<0.0154	<0.422	<0.0203	<0.0151
Naphthalene	mg/kg	NS	0.66	10.2	2.4	<0.0317	<0.0326	<0.0287	<0.0275	<0.0389	<0.0233	6.62 J	<0.0307	<0.0228
n-Butylbenzene	mg/kg	NS	NS	108	108	<0.0423	<0.0435	<0.0383	<0.0367	<0.0520	<0.0311	21.6	<0.0410	<0.0305
n-Propylbenzene	mg/kg	NS	NS	264	264	<0.0246	<0.0253	<0.0223	<0.0213	<0.0302	<0.0181	9.61	<0.0238	<0.0177
p-Cymene	mg/kg	NS	NS	162	162	<0.0256	<0.0263	<0.0232	<0.0222	<0.0315	<0.0188	11.3	<0.0248	<0.0185
sec-Butylbenzene	mg/kg	NS	NS	145	145	<0.0310	<0.0318	<0.0280	<0.0269	<0.0381	<0.0228	10.9	<0.0300	<0.0223

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

						Area A								
Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	TS-SS-SB-1(2-4)	TS-SS-SB-1(6-8)	TS-SS-SB-2(1-3)	TS-SS-SB-2(3.5-5.5)	TS-SS-SB-3(2-4)	TS-SS-SB-3(8-10)	TS-SS-SB-3(18-20)	TS-SS-SB-4(2-3)	TS-SS-SB-4(3-5)
Sample Depth (feet-BGS):						2 - 4	6 - 8	1 - 3	3.5 - 5.5	2 - 4	8 - 10	18 - 20	2 - 3	3 - 5
Approximate Water Table Depth (feet BGS):						24.65	24.65	>15	>15	17.7	17.7	17.7	17.42	17.42
Soil Type:						Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Sand (native)	Fill	Sand (native)
Sample Date:						8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025
VOCs (continued)														
Styrene	mg/kg	NS	0.22	867	867	<0.0193	<0.0198	<0.0175	<0.0167	<0.0237	<0.0142	<0.389	<0.0187	<0.0139
tert-Butylbenzene	mg/kg	NS	NS	183	183	<0.0237	<0.0243	<0.0214	<0.0205	<0.0291	<0.0174	2.54	<0.0229	<0.0170
Tetrachloroethene	mg/kg	NS	0.00454	145	33	<0.0293	<0.0301	<0.0265	<0.0254	<0.0359	<0.0215	<0.589	<0.0283	<0.0211
Toluene	mg/kg	NS	1.1072	818	818	<0.0239	<0.0245	<0.0216	<0.0207	<0.0293	<0.0175	<0.481	<0.0231	<0.0172
trans-1,2-Dichloroethene	mg/kg	NS	0.0626	433	98.5	<0.0165	<0.0169	<0.0149	<0.0143	<0.0202	<0.0121	<0.332	<0.0160	<0.0119
Trichloroethene	mg/kg	NS	0.00358	8.41	1.3	<0.0282	<0.0290	<0.0255	<0.0244	<0.0346	<0.0207	<0.568	<0.0273	<0.0203
Trichlorofluoromethane	mg/kg	NS	4.48	1230	1230	<0.0219	<0.0225	<0.0198	<0.0190	<0.0268	<0.0161	<0.441	<0.0212	<0.0157
1,2,4-Trimethylbenzene	mg/kg	NS	NS	219	219	<0.0225	<0.0231	<0.0203	<0.0195	<0.0276	<0.0165	134	<0.0218	<0.0162
1,3,5-Trimethylbenzene	mg/kg	NS	NS	182	182	<0.0243	<0.0249	<0.0220	<0.0210	<0.0298	<0.0178	<0.489	<0.0235	<0.0175
Trimethylbenzenes, Total ²	mg/kg	NS	1.4	182	182	<0.0468	<0.048	<0.0423	<0.0405	<0.0574	<0.0343	134	<0.0453	<0.0337
Vinyl Chloride	mg/kg	NS	0.000138	2.08	0.0668	<0.0152	<0.0156	<0.0138	<0.0132	<0.0187	<0.0112	<0.307	<0.0148	<0.0110
m,p-xylene	mg/kg	NS	NS	NS	NS	<0.0434	<0.0445	<0.0392	<0.0376	<0.0532	<0.0318	<0.873	<0.0420	<0.0312
ortho-xylene	mg/kg	NS	NS	434	434	<0.0245	<0.0252	<0.0222	<0.0213	<0.0301	<0.0180	4.71	<0.0238	<0.0177
Xylenes (total) ³	mg/kg	NS	0.000138	2.08	0.0668	<0.0679	<0.0697	<0.0614	<0.0589	<0.0833	<0.0498	4.71	<0.0658	<0.0489

Blue	exceeds the WI Soil BTV
Italic	exceeds the Soil-to-Groundwater Pathway RCL, DF 2
Underlined	exceeds the Industrial Direct Contact RCL
Bold	exceeds the Non-Industrial Direct Contact RCL
Pink	result exceeds one or more screening criteria

Results & Flags:
-- = Analysis not performed
< = Concentration is less than reported limit
J = Estimated concentration
J+ = Indicates a concentration estimated with high bias

Acronyms:
bgs = below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = Background Threshold Value
DC (or D-C) = Direct-Contact
DF 2 = Dilution Factor of 2
mg/kg = milligrams per kilogram
NS = No Standard
RCL = NR720 Soil Residual Contaminant Level (WDNR)
PCP = pentachlorophenol
PAH = Polycyclic Aromatic Hydrocarbon
VOC = Volatile Organic Compound

- Superscripts:
- 1,3-Dichloropropene was calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reporting limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
 - Total Trimethylbenzenes were calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reporting limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
 - Total Xylenes, when not calculated by the lab, were calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reported limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are Xylene-o and Xylene-m+p.

Screening Criteria:
Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated October 2024.
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Direct Contact RCLs are compared to samples 0-4 feet bgs.
Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	Area A	Area B		Area C		Area D			
Sample Depth (feet-BGS):						TS-SS-SB-4(16.5-18.5)	TS-SS-SB-5(2-4)	TS-SS-SB-5(4.5-6.5)	TS-SS-SB-6(2-4)	TS-SS-SB-6(5-7)	TS-SS-SB-7(2-4)	TS-SS-SB-7(9-11)	TS-SS-SB-8(1.5-3.5)	TS-SS-SB-8(5-7)
Approximate Water Table Depth (feet BGS):						16.5 - 18.5	2 - 4	4.5 - 6.5	2 - 4	5 - 7	2 - 4	9 - 11	1.5 - 3.5	5 - 7
Soil Type:						17.42	14.15	14.15	9.40	9.40	8.38	8.38	9.41	9.41
Sample Date:						Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)
Total Metals		8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025		
Arsenic	mg/kg	8.3	0.584	3	0.677	<1.5	<1.5	<3.3	2.2 J	<1.7	<1.6	<1.6	<1.6	<2.9
Barium	mg/kg	364	164.8	100000	15300	43.3	25.7	50.3	93.5	35.4	49.0	19.6	81.7	132
Cadmium	mg/kg	1.07	0.752	99.7	7.14	<0.14	<0.13	<0.30	<0.15	<0.15	<0.14	<0.15	0.99	<0.26
Chromium (total)	mg/kg	43.5	360000	NS	NS	13.1	15.3	32.2	15.4	15.9	11.9	11.3	11.2	10.4
Lead	mg/kg	51.6	27	800	200	2.2	1.7 J	1.8 J	22.1	1.8 J	3.0	1.5 J	7.5	<1.2
Mercury	mg/kg	NS	0.208	3.13	3.13	<0.022	<0.020	<0.022	0.031 J	<0.021	<0.021	<0.021	0.023 J	<0.020
Selenium	mg/kg	NS	0.52	5840	391	<1.3	<1.3	<3.0	1.8 J	<1.5	<1.4	<1.4	1.4 J	3.4 J
Silver	mg/kg	NS	0.849	5840	391	0.52 J	<0.31	<0.70	<0.34	0.52 J	<0.33	<0.34	<0.33	<0.60
PAHs														
1-Methylnaphthalene	mg/kg	NS	NS	1.11	0.265	0.376	<0.0026	<0.0028	0.0152 J	<0.0028	<0.0027	<0.0027	<0.0028	<0.0025
2-Methylnaphthalene	mg/kg	NS	NS	3010	239	0.568	<0.0026	<0.0028	0.0197 J	<0.0028	<0.0027	<0.0027	<0.0028	<0.0025
Acenaphthene	mg/kg	NS	NS	45200	3590	0.0088 J	<0.0023	<0.0025	<0.0121	<0.0025	<0.0024	<0.0024	<0.0025	<0.0022
Acenaphthylene	mg/kg	NS	NS	NS	NS	0.0051 J	<0.0023	<0.0024	0.182	<0.0024	<0.0023	0.0108 J	<0.0024	0.0025 J
Anthracene	mg/kg	NS	196.9	100000	17900	<0.0024	<0.0022	<0.0024	0.111	<0.0024	<0.0023	<0.0023	<0.0024	<0.0021
Benzo(a)anthracene	mg/kg	NS	NS	20.8	1.14	<0.0025	<0.0023	<0.0025	0.488	0.0034 J	0.0075 J	0.0258	0.0034 J	0.0043 J
Benzo(a)pyrene	mg/kg	NS	0.47	2.11	0.115	<0.0022	<0.0021	<0.0022	0.667	0.0027 J	0.0086 J	0.0351	0.0032 J	0.0051 J
Benzo(b)fluoranthene	mg/kg	NS	0.478	21.1	1.15	<0.0026	<0.0025	<0.0027	0.906	0.0047 J	0.0136 J	0.0481	0.0057 J	0.0082 J
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	<0.0033	<0.0032	<0.0034	0.532	<0.0034	0.0087 J	0.0272	<0.0034	0.0055 J
Benzo(k)fluoranthene	mg/kg	NS	NS	211	11.5	<0.0024	<0.0023	<0.0025	0.343	<0.0025	0.0065 J	0.0203	<0.0025	0.0037 J
Chrysene	mg/kg	NS	0.144	2110	115	<0.0036	<0.0034	<0.0036	0.585	0.0041 J	0.0100 J	0.0377	0.0039 J	0.0063 J
Dibenz(a,h)anthracene	mg/kg	NS	NS	2.11	0.115	<0.0026	<0.0025	<0.0027	0.148	<0.0027	<0.0026	0.0052 J	<0.0027	<0.0024
Fluoranthene	mg/kg	NS	88.9	30100	2390	<0.0023	<0.0021	<0.0023	0.855	0.0069 J	0.0158 J	0.0515	0.0055 J	0.0078 J
Fluorene	mg/kg	NS	14.8	30100	2390	0.0069 J	<0.0022	<0.0023	0.0225 J	<0.0023	<0.0022	<0.0022	<0.0023	<0.0021
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	21.1	1.15	<0.0040	<0.0038	<0.0040	0.417	<0.0040	0.0063 J	0.0215	<0.0040	0.0036 J
Naphthalene	mg/kg	NS	0.66	10.2	2.4	0.53	<0.0018	<0.0019	0.0285 J	<0.0019	<0.0018	<0.0018	<0.0019	<0.0017
Phenanthrene	mg/kg	NS	NS	NS	NS	0.0257	<0.0021	<0.0022	0.203	<0.0022	0.0023 J	0.0108 J	0.0023 J	0.0027 J
Pyrene	mg/kg	NS	54.54	22600	1790	<0.0028	<0.0027	<0.0028	0.715	0.0051 J	0.0117 J	0.0437	0.0043 J	0.0068 J
PCP														
Pentachlorophenol	mg/kg	NS	0.00276	3.97	1.02	1.45	<0.0890	<0.0953	<0.23	<0.0955	<0.0907	<0.0916	<0.0949	<0.0854

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	Area A	Area B		Area C		Area D			
Sample Depth (feet-BGS):						TS-SS-SB-4(16.5-18.5)	TS-SS-SB-5(2-4)	TS-SS-SB-5(4.5-6.5)	TS-SS-SB-6(2-4)	TS-SS-SB-6(5-7)	TS-SS-SB-7(2-4)	TS-SS-SB-7(9-11)	TS-SS-SB-8(1.5-3.5)	TS-SS-SB-8(5-7)
Approximate Water Table Depth (feet BGS):						16.5 - 18.5	2 - 4	4.5 - 6.5	2 - 4	5 - 7	2 - 4	9 - 11	1.5 - 3.5	5 - 7
Soil Type:						Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)
Sample Date:						8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025
VOCs														
1,1,1,2-Tetrachloroethane	mg/kg	NS	0.0534	12.3	2.78	<0.768	<0.0140	<0.0158	<0.0149	<0.0159	<0.0145	<0.0147	<0.0157	<0.0129
1,1,1-Trichloroethane	mg/kg	NS	0.1402	640	640	<0.82	<0.0149	<0.0169	<0.0159	<0.0169	<0.0155	<0.0157	<0.0167	<0.0138
1,1,2,2-Tetrachloroethane	mg/kg	NS	0.000156	3.6	0.81	<1.16	<0.0211	<0.0239	<0.0224	<0.0239	<0.0219	<0.0223	<0.0236	<0.0195
1,1,2-Trichloroethane	mg/kg	NS	0.00324	7.01	1.59	<1.17	<0.0212	<0.0240	<0.0226	<0.0241	<0.0220	<0.0224	<0.0238	<0.0196
1,1-Dichloroethane	mg/kg	NS	0.483	22.2	5.06	<0.82	<0.0149	<0.0169	<0.0159	<0.0169	<0.0155	<0.0157	<0.0167	<0.0138
1,1-Dichloroethene	mg/kg	NS	0.00502	1190	320	<1.06	<0.0193	<0.0219	<0.0206	<0.0220	<0.0201	<0.0204	<0.0217	<0.0179
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	<1.04	<0.0189	<0.0214	<0.0201	<0.0214	<0.0196	<0.0199	<0.0212	<0.0174
1,2,3-Trichlorobenzene	mg/kg	NS	NS	934	62.6	<3.57	<0.0649	<0.0734	<0.0690	<0.0737	<0.0673	<0.0685	<0.0728	<0.0600
1,2,3-Trichloropropane	mg/kg	NS	0.052	0.109	0.0051	<1.56	<0.0283	<0.0320	<0.0301	<0.0321	<0.0294	<0.0299	<0.0317	<0.0262
1,2,4-Trichlorobenzene	mg/kg	NS	0.408	113	24	<2.64	<0.0480	<0.0543	<0.0511	<0.0545	<0.0498	<0.0506	<0.0538	<0.0444
1,2-Dibromo-3-chloropropane	mg/kg	NS	0.0001728	0.0923	0.0075	<2.49	<0.0452	<0.0512	<0.0481	<0.0513	<0.0469	<0.0477	<0.0507	<0.0418
1,2-Dibromoethane	mg/kg	NS	0.0000282	0.221	0.05	<0.877	<0.0160	<0.0181	<0.0170	<0.0181	<0.0166	<0.0168	<0.0179	<0.0148
1,2-Dichlorobenzene	mg/kg	NS	1.168	376	376	<1.12	<0.0204	<0.0231	<0.0217	<0.0232	<0.0212	<0.0215	<0.0229	<0.0189
1,2-Dichloroethane	mg/kg	NS	0.00284	2.87	0.652	<0.737	<0.0134	<0.0152	<0.0143	<0.0152	<0.0139	<0.0141	<0.0150	<0.0124
1,2-Dichloropropane	mg/kg	NS	0.00332	15	3.4	<0.762	<0.0139	<0.0157	<0.0147	<0.0157	<0.0144	<0.0146	<0.0155	<0.0128
1,3-Dichlorobenzene	mg/kg	NS	1.15	297	297	<0.942	<0.0171	<0.0194	<0.0182	<0.0195	<0.0178	<0.0181	<0.0192	<0.0158
1,3-Dichloropropane	mg/kg	NS	NS	1490	1490	<0.698	<0.0127	<0.0144	<0.0135	<0.0144	<0.0132	<0.0134	<0.0142	<0.0117
cis-1,3-Dichloropropene	mg/kg	NS	NS	1210	1210	<2.11	<0.0384	<0.0435	<0.0409	<0.0437	<0.0399	<0.0406	<0.0431	<0.0355
trans-1,3-Dichloropropene	mg/kg	NS	NS	1510	1510	<9.16	<0.167	<0.189	<0.177	<0.189	<0.173	<0.176	<0.187	<0.154
1,3-Dichloropropene ¹	mg/kg	NS	0.000285	10.6	2.370	<11.27	<0.2054	<0.2325	<0.2179	<0.2327	<0.2129	<0.2166	<0.2301	<0.1895
1,4-Dichlorobenzene	mg/kg	NS	0.144	16.4	3.74	<0.984	<0.0179	<0.0203	<0.0190	<0.0203	<0.0186	<0.0189	<0.0201	<0.0165
2,2-Dichloropropane	mg/kg	NS	NS	191	191	<0.865	<0.0157	<0.0178	<0.0167	<0.0179	<0.0163	<0.0166	<0.0176	<0.0145
2-Chlorotoluene	mg/kg	NS	NS	907	907	<1.04	<0.0189	<0.0214	<0.0201	<0.0214	<0.0196	<0.0199	<0.0212	<0.0174
4-Chlorotoluene	mg/kg	NS	NS	253	253	<1.22	<0.0221	<0.0251	<0.0235	<0.0251	<0.0230	<0.0234	<0.0248	<0.0205
Benzene	mg/kg	NS	0.00512	7.07	1.6	<0.762	<0.0139	<0.0157	<0.0147	<0.0157	<0.0144	<0.0146	<0.0155	<0.0128
Bromobenzene	mg/kg	NS	NS	679	342	<1.25	<0.0227	<0.0257	<0.0242	<0.0258	<0.0236	<0.0240	<0.0255	<0.0210
Bromochloromethane	mg/kg	NS	NS	906	216	<0.877	<0.0160	<0.0181	<0.0170	<0.0181	<0.0166	<0.0168	<0.0179	<0.0148
Bromodichloromethane	mg/kg	NS	0.0003255	1.83	0.418	<0.762	<0.0139	<0.0157	<0.0147	<0.0157	<0.0144	<0.0146	<0.0155	<0.0128
Bromoform	mg/kg	NS	0.002332	113	25.4	<14.1	<0.256	<0.29	<0.273	<0.291	<0.266	<0.27	<0.287	<0.237
Bromomethane	mg/kg	NS	0.00506	43	9.6	<4.49	<0.0817	<0.0924	<0.0869	<0.0927	<0.0847	<0.0862	<0.0916	<0.0755
Carbon Tetrachloride	mg/kg	NS	0.00388	4.03	0.916	<0.705	<0.0128	<0.0145	<0.0136	<0.0146	<0.0133	<0.0135	<0.0144	<0.0118
Chlorobenzene	mg/kg	NS	0.1358	761	370	<0.384	<0.0070	<0.0079	<0.0074	<0.0079	<0.0072	<0.0074	<0.0078	<0.0064
Chloroethane	mg/kg	NS	0.227	2120	2120	<1.35	<0.0246	<0.0278	<0.0261	<0.0279	<0.0255	<0.0259	<0.0276	<0.0227
Chloroform	mg/kg	NS	0.00333	1.98	0.454	<2.29	<0.0417	<0.0472	<0.0444	<0.0474	<0.0433	<0.0440	<0.0468	<0.0385
Chloromethane	mg/kg	NS	0.0155	669	159	<1.22	<0.0221	<0.0251	<0.0235	<0.0251	<0.0230	<0.0234	<0.0248	<0.0205
cis-1,2-Dichloroethene	mg/kg	NS	0.0412	498	76.7	<0.685	<0.0125	<0.0141	<0.0133	<0.0142	<0.0129	<0.0132	<0.0140	<0.0115
Cumene	mg/kg	NS	NS	268	268	2.04 J	<0.0199	<0.0225	<0.0212	<0.0226	<0.0206	<0.0210	<0.0223	<0.0184
Dibromochloromethane	mg/kg	NS	0.03195	38.9	8.28	<10.9	<0.199	<0.225	<0.212	<0.226	<0.207	<0.21	<0.223	<0.184
Dibromomethane	mg/kg	NS	NS	143	34	<0.948	<0.0172	<0.0195	<0.0183	<0.0196	<0.0179	<0.0182	<0.0193	<0.0159
Dichlorodifluoromethane	mg/kg	NS	3.09	530	126	<1.38	<0.0250	<0.0284	<0.0266	<0.0284	<0.0260	<0.0264	<0.0281	<0.0231
Diisopropyl ether	mg/kg	NS	NS	2260	2260	<0.794	<0.0144	<0.0164	<0.0154	<0.0164	<0.0150	<0.0152	<0.0162	<0.0134
Ethyl Benzene	mg/kg	NS	1.57	35.4	8.02	<0.762	<0.0139	<0.0157	<0.0147	<0.0157	<0.0144	<0.0146	<0.0155	<0.0128
Hexachlorobutadiene	mg/kg	NS	NS	7.19	1.63	<6.37	<0.116	<0.131	<0.123	<0.132	<0.12	<0.122	<0.13	<0.107
Methyl tert-butyl ether	mg/kg	NS	0.027	282	63.8	<0.942	<0.0171	<0.0194	<0.0182	<0.0194	<0.0178	<0.0181	<0.0192	<0.0158
Methylene Chloride	mg/kg	NS	0.00256	1150	61.8	<0.89	<0.0162	<0.0183	<0.0172	<0.0184	<0.0168	<0.0171	<0.0182	<0.0150
Naphthalene	mg/kg	NS	0.66	10.2	2.4	2.67 J	<0.0245	<0.0277	0.149 J	<0.0278	<0.0254	<0.0259	<0.0275	<0.0226
n-Butylbenzene	mg/kg	NS	NS	108	108	16.4	<0.0327	<0.0370	<0.0348	<0.0371	<0.0339	<0.0345	<0.0367	<0.0302
n-Propylbenzene	mg/kg	NS	NS	264	264	7.27	<0.0190	<0.0215	<0.0202	<0.0216	<0.0197	<0.0201	<0.0213	<0.0176
p-Cymene	mg/kg	NS	NS	162	162	12.3	<0.0198	<0.0224	<0.0211	<0.0225	<0.0205	<0.0209	<0.0222	<0.0183
sec-Butylbenzene	mg/kg	NS	NS	145	145	9.19	<0.0239	<0.0271	<0.0255	<0.0272	<0.0248	<0.0253	<0.0268	<0.0221

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

						Area A	Area B		Area C		Area D			
Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	TS-SS-SB-4(16.5-18.5)	TS-SS-SB-5(2-4)	TS-SS-SB-5(4.5-6.5)	TS-SS-SB-6(2-4)	TS-SS-SB-6(5-7)	TS-SS-SB-7(2-4)	TS-SS-SB-7(9-11)	TS-SS-SB-8(1.5-3.5)	TS-SS-SB-8(5-7)
Sample Depth (feet-BGS):						16.5 - 18.5	2 - 4	4.5 - 6.5	2 - 4	5 - 7	2 - 4	9 - 11	1.5 - 3.5	5 - 7
Approximate Water Table Depth (feet BGS):						17.42	14.15	14.15	9.40	9.40	8.38	8.38	9.41	9.41
Soil Type:						Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)	Fill	Sand (native)
Sample Date:						8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025
VOCs (continued)														
Styrene	mg/kg	NS	0.22	867	867	<0.82	<0.0149	<0.0169	<0.0159	<0.0169	<0.0155	<0.0157	<0.0167	<0.0138
tert-Butylbenzene	mg/kg	NS	NS	183	183	2.22 J	<0.0183	<0.0207	<0.0195	<0.0208	<0.0190	<0.0193	<0.0205	<0.0169
Tetrachloroethene	mg/kg	NS	0.00454	145	33	<1.24	<0.0226	<0.0256	<0.0240	<0.0257	<0.0234	<0.0238	<0.0253	<0.0209
Toluene	mg/kg	NS	1.1072	818	818	<1.01	<0.0184	<0.0209	<0.0196	<0.0209	<0.0191	<0.0195	<0.0207	<0.0170
trans-1,2-Dichloroethene	mg/kg	NS	0.0626	433	98.5	<0.7	<0.0127	<0.0144	<0.0135	<0.0145	<0.0132	<0.0134	<0.0143	<0.0118
Trichloroethene	mg/kg	NS	0.00358	8.41	1.3	<1.2	<0.0218	<0.0247	<0.0232	<0.0247	<0.0226	<0.0230	<0.0244	<0.0201
Trichlorofluoromethane	mg/kg	NS	4.48	1230	1230	<0.929	<0.0169	<0.0191	<0.0180	<0.0192	<0.0175	<0.0178	<0.0189	<0.0156
1,2,4-Trimethylbenzene	mg/kg	NS	NS	219	219	112	<0.0174	<0.0196	<0.0185	<0.0197	<0.0180	<0.0183	<0.0195	<0.0160
1,3,5-Trimethylbenzene	mg/kg	NS	NS	182	182	40.7	<0.0188	<0.0212	<0.0200	<0.0213	<0.0195	<0.0198	<0.0210	<0.0173
Trimethylbenzenes, Total ²	mg/kg	NS	1.4	182	182	152.7	<0.0362	<0.0408	<0.0385	<0.041	<0.0375	<0.0381	<0.0405	<0.0333
Vinyl Chloride	mg/kg	NS	0.000138	2.08	0.0668	<0.647	<0.0118	<0.0133	<0.0125	<0.0134	<0.0122	<0.0124	<0.0132	<0.0109
m,p-xylene	mg/kg	NS	NS	NS	NS	<1.84	<0.0335	<0.0379	<0.0356	<0.0380	<0.0347	<0.0353	<0.0375	<0.0309
ortho-xylene	mg/kg	NS	NS	434	434	<1.04	<0.0190	<0.0215	<0.0202	<0.0215	<0.0197	<0.0200	<0.0213	<0.0175
Xylenes (total) ³	mg/kg	NS	0.000138	2.08	0.0668	<2.88	<0.0525	<0.0594	<0.0558	<0.0595	<0.0544	<0.0553	<0.0588	<0.0484

Blue	exceeds the WI Soil BTV
Italic	exceeds the Soil-to-Groundwater Pathway RCL, DF 2
Underlined	exceeds the Industrial Direct Contact RCL
Bold	exceeds the Non-Industrial Direct Contact RCL
Pink	result exceeds one or more screening criteria

Results & Flags:
-- = Analysis not performed
< = Concentration is less than reported limit
J = Estimated concentration
J+ = Indicates a concentration estimated with high bias

Acronyms:
bgs = below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = Background Threshold Value
DC (or D-C) = Direct-Contact
DF 2 = Dilution Factor of 2
mg/kg = milligrams per kilogram
NS = No Standard
RCL = NR720 Soil Residual Contaminant Level (WDNR)
PCP = pentachlorophenol
PAH = Polycyclic Aromatic Hydrocarbon
VOC = Volatile Organic Compound

- Superscripts:
- 1,3-Dichloropropene was calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reporting limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
 - Total Trimethylbenzenes were calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reporting limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
 - Total Xylenes, when not calculated by the lab, were calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reported limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are Xylene-o and Xylene-m+p.

Screening Criteria:
Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated October 2024.
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Direct Contact RCLs are compared to samples 0-4 feet bgs.
Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	DUP-1_20250819	MEOH BLANK_FB_20250819
Sample Depth (feet-BGS):						-	-
Approximate Water Table Depth (feet BGS):							
Soil Type:							
Sample Date:						8/19/2025	8/19/2025
Total Metals							
Arsenic	mg/kg	8.3	0.584	3	0.677	<1.5	--
Barium	mg/kg	364	164.8	100000	15300	41.1	--
Cadmium	mg/kg	1.07	0.752	99.7	7.14	<0.13	--
Chromium (total)	mg/kg	43.5	360000	NS	NS	15.6	--
Lead	mg/kg	51.6	27	800	200	2.1	--
Mercury	mg/kg	NS	0.208	3.13	3.13	<0.021	--
Selenium	mg/kg	NS	0.52	5840	391	<1.3	--
Silver	mg/kg	NS	0.849	5840	391	0.54 J	--
PAHs							
1-Methylnaphthalene	mg/kg	NS	NS	1.11	0.265	<0.0026	--
2-Methylnaphthalene	mg/kg	NS	NS	3010	239	<0.0026	--
Acenaphthene	mg/kg	NS	NS	45200	3590	<0.0023	--
Acenaphthylene	mg/kg	NS	NS	NS	NS	<0.0023	--
Anthracene	mg/kg	NS	196.9	100000	17900	<0.0022	--
Benzo(a)anthracene	mg/kg	NS	NS	20.8	1.14	<0.0023	--
Benzo(a)pyrene	mg/kg	NS	0.47	2.11	0.115	<0.0020	--
Benzo(b)fluoranthene	mg/kg	NS	0.478	21.1	1.15	<0.0025	--
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	<0.0032	--
Benzo(k)fluoranthene	mg/kg	NS	NS	211	11.5	<0.0023	--
Chrysene	mg/kg	NS	0.144	2110	115	<0.0034	--
Dibenz(a,h)anthracene	mg/kg	NS	NS	2.11	0.115	<0.0025	--
Fluoranthene	mg/kg	NS	88.9	30100	2390	<0.0021	--
Fluorene	mg/kg	NS	14.8	30100	2390	<0.0022	--
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	21.1	1.15	<0.0038	--
Naphthalene	mg/kg	NS	0.66	10.2	2.4	<0.0018	--
Phenanthrene	mg/kg	NS	NS	NS	NS	<0.0021	--
Pyrene	mg/kg	NS	54.54	22600	1790	<0.0026	--
PCP							
Pentachlorophenol	mg/kg	NS	0.00276	3.97	1.02	<0.0885	--

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	DUP-1_20250819	MEOH BLANK_FB_20250819
Sample Depth (feet-BGS):						-	-
Approximate Water Table Depth (feet BGS):							
Soil Type:							
Sample Date:						8/19/2025	8/19/2025
VOCs							
1,1,1,2-Tetrachloroethane	mg/kg	NS	0.0534	12.3	2.78	<0.0138	<0.0120
1,1,1-Trichloroethane	mg/kg	NS	0.1402	640	640	<0.0148	<0.0128
1,1,2,2-Tetrachloroethane	mg/kg	NS	0.000156	3.6	0.81	<0.0209	<0.0181
1,1,2-Trichloroethane	mg/kg	NS	0.00324	7.01	1.59	<0.0210	<0.0182
1,1-Dichloroethane	mg/kg	NS	0.483	22.2	5.06	<0.0148	<0.0128
1,1-Dichloroethene	mg/kg	NS	0.00502	1190	320	<0.0192	<0.0166
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	<0.0187	<0.0162
1,2,3-Trichlorobenzene	mg/kg	NS	NS	934	62.6	<0.0643	<0.0557
1,2,3-Trichloropropane	mg/kg	NS	0.052	0.109	0.0051	<0.0281	<0.0243
1,2,4-Trichlorobenzene	mg/kg	NS	0.408	113	24	<0.0476	<0.0412
1,2-Dibromo-3-chloropropane	mg/kg	NS	0.0001728	0.0923	0.0075	<0.0448	<0.0388
1,2-Dibromoethane	mg/kg	NS	0.0000282	0.221	0.05	<0.0158	<0.0137
1,2-Dichlorobenzene	mg/kg	NS	1.168	376	376	<0.0202	<0.0175
1,2-Dichloroethane	mg/kg	NS	0.00284	2.87	0.652	<0.0133	<0.0115
1,2-Dichloropropane	mg/kg	NS	0.00332	15	3.4	<0.0137	<0.0119
1,3-Dichlorobenzene	mg/kg	NS	1.15	297	297	<0.0170	<0.0147
1,3-Dichloropropane	mg/kg	NS	NS	1490	1490	<0.0126	<0.0109
cis-1,3-Dichloropropene	mg/kg	NS	NS	1210	1210	<0.0381	<0.0330
trans-1,3-Dichloropropene	mg/kg	NS	NS	1510	1510	<0.165	<0.143
1,3-Dichloropropene ¹	mg/kg	NS	0.000285	10.6	2.370	<0.2031	<0.176
1,4-Dichlorobenzene	mg/kg	NS	0.144	16.4	3.74	<0.0177	<0.0154
2,2-Dichloropropane	mg/kg	NS	NS	191	191	<0.0156	<0.0135
2-Chlorotoluene	mg/kg	NS	NS	907	907	<0.0187	<0.0162
4-Chlorotoluene	mg/kg	NS	NS	253	253	<0.0219	<0.0190
Benzene	mg/kg	NS	0.00512	7.07	1.6	<0.0137	<0.0119
Bromobenzene	mg/kg	NS	NS	679	342	<0.0225	<0.0195
Bromochloromethane	mg/kg	NS	NS	906	216	<0.0158	<0.0137
Bromodichloromethane	mg/kg	NS	0.0003255	1.83	0.418	<0.0137	<0.0119
Bromoform	mg/kg	NS	0.002332	113	25.4	<0.254	<0.22
Bromomethane	mg/kg	NS	0.00506	43	9.6	<0.0809	<0.0701
Carbon Tetrachloride	mg/kg	NS	0.00388	4.03	0.916	<0.0127	<0.0110
Chlorobenzene	mg/kg	NS	0.1358	761	370	<0.0069	<0.0060
Chloroethane	mg/kg	NS	0.227	2120	2120	<0.0244	<0.0211
Chloroform	mg/kg	NS	0.00333	1.98	0.454	<0.0413	<0.0358
Chloromethane	mg/kg	NS	0.0155	669	159	<0.0219	<0.0190
cis-1,2-Dichloroethene	mg/kg	NS	0.0412	498	76.7	<0.0124	<0.0107
Cumene	mg/kg	NS	NS	268	268	<0.0197	<0.0171
Dibromochloromethane	mg/kg	NS	0.03195	38.9	8.28	<0.197	<0.171
Dibromomethane	mg/kg	NS	NS	143	34	<0.0171	<0.0148
Dichlorodifluoromethane	mg/kg	NS	3.09	530	126	<0.0248	<0.0215
Diisopropyl ether	mg/kg	NS	NS	2260	2260	<0.0143	<0.0124
Ethyl Benzene	mg/kg	NS	1.57	35.4	8.02	<0.0137	<0.0119
Hexachlorobutadiene	mg/kg	NS	NS	7.19	1.63	<0.115	<0.0994
Methyl tert-butyl ether	mg/kg	NS	0.027	282	63.8	<0.0170	<0.0147
Methylene Chloride	mg/kg	NS	0.00256	1150	61.8	<0.0160	<0.0139
Naphthalene	mg/kg	NS	0.66	10.2	2.4	<0.0243	<0.0210
n-Butylbenzene	mg/kg	NS	NS	108	108	<0.0324	<0.0281
n-Propylbenzene	mg/kg	NS	NS	264	264	<0.0188	<0.0163
p-Cymene	mg/kg	NS	NS	162	162	<0.0196	<0.0170
sec-Butylbenzene	mg/kg	NS	NS	145	145	<0.0237	<0.0205

Table 1b. Soil Analytical Results - Metals, PAHs, PCP, and VOCs

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL	DUP-1_20250819	MEOH BLANK_FB_20250819
Sample Depth (feet-BGS):						-	-
Approximate Water Table Depth (feet BGS):							
Soil Type:							
Sample Date:						8/19/2025	8/19/2025
VOCs (continued)							
Styrene	mg/kg	NS	0.22	867	867	<0.0148	<0.0128
tert-Butylbenzene	mg/kg	NS	NS	183	183	<0.0181	<0.0157
Tetrachloroethene	mg/kg	NS	0.00454	145	33	<0.0224	<0.0194
Toluene	mg/kg	NS	1.1072	818	818	<0.0183	<0.0158
trans-1,2-Dichloroethene	mg/kg	NS	0.0626	433	98.5	<0.0126	<0.0109
Trichloroethene	mg/kg	NS	0.00358	8.41	1.3	<0.0216	<0.0187
Trichlorofluoromethane	mg/kg	NS	4.48	1230	1230	<0.0167	<0.0145
1,2,4-Trimethylbenzene	mg/kg	NS	NS	219	219	<0.0172	<0.0149
1,3,5-Trimethylbenzene	mg/kg	NS	NS	182	182	<0.0186	<0.0161
Trimethylbenzenes, Total ²	mg/kg	NS	1.4	182	182	<0.0358	<0.031
Vinyl Chloride	mg/kg	NS	0.000138	2.08	0.0668	<0.0117	<0.0101
m,p-xylene	mg/kg	NS	NS	NS	NS	<0.0332	<0.0287
ortho-xylene	mg/kg	NS	NS	434	434	<0.0188	<0.0163
Xylenes (total) ³	mg/kg	NS	0.000138	2.08	0.0668	<0.052	<0.045

[O:JJB 11/19/25 U:KRP 11/24/25, U:KRP 12/15/25]

Blue
<i>Italic</i>
<u>Underlined</u>
Bold
Pink

exceeds the WI Soil BTV
exceeds the Soil-to-Groundwater Pathway RCL, DF 2
exceeds the Industrial Direct Contact RCL
exceeds the Non-Industrial Direct Contact RCL
result exceeds one or more screening criteria

Results & Flags:

-- = Analysis not performed
< = Concentration is less than reported limit
J = Estimated concentration
J+ = Indicates a concentration estimated with high bias

Acronyms:

bgs = below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
BTV = Background Threshold Value
DC (or D-C) = Direct-Contact
DF 2 = Dilution Factor of 2
mg/kg = milligrams per kilogram
NS = No Standard
RCL = NR720 Soil Residual Contaminant Level (WDNR)
PCP = pentachlorophenol
PAH = Polycyclic Aromatic Hydrocarbon
VOC = Volatile Organic Compound

Superscripts:

- 1,3-Dichloropropene was calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reporting limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
- Total Trimethylbenzenes were calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reporting limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
- Total Xylenes, when not calculated by the lab, were calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reported limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are Xylene-o and Xylene-m+p.

Screening Criteria:

Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated October 2024.
Metal results below the WDNR BTV are not treated as an exceedance of the RCL.
Direct Contact RCLs are compared to samples 0-4 feet bgs.
Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Table 2. Groundwater Analytical Results

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Wisconsin Enforcement Standard (ES)	Wisconsin Preventive Action Limit (PAL)	Area A				Area B	Area C	Area D		
				TS-GW-TW-1	TS-GW-TW-3	TS-GW-TW-4	DUP-1	TS-GW-TW-5	TS-GW-TW-6	TS-GW-TW-7	TS-GW-TW-8	TB-1
Sample Date:				8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025
Dioxins/Furans												
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	µg/L	NS	NS	0.037 J	0.0059	0.065 J	0.077 J	0.0000078 J	0.0000016 J	0.0000040 J	0.0000029 J	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	µg/L	NS	NS	0.000018 J+	0.0000059 J+	<0.0000070	0.000092	0.0000032 J+	0.0000025 J+	0.0000022 J	0.0000017 J	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	µg/L	NS	NS	0.00093	0.00012	0.0016	0.0018	<0.0000063	<0.0000063	<0.0000063	<0.0000063	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	µg/L	NS	NS	0.00017	0.000024 J	0.00021	0.00033	0.00000084 J	<0.0000086	<0.0000086	0.00000071 J	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	µg/L	NS	NS	0.0000029 J	<0.0000068	0.0000045 J	0.0000054 J	<0.0000068	<0.0000068	<0.0000068	<0.0000068	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	µg/L	0.00003	0.000003	<0.0000018	<0.0000018	<0.0000018	<0.0000018	<0.0000018	<0.0000018	<0.0000018	<0.0000018	--
HpCDD (total)	µg/L	NS	NS	0.062 J	0.0097	0.11 J	0.13 J	0.000016 J	0.0000027 J+	0.0000077 J	0.0000038 J	--
HxCDD (total)	µg/L	NS	NS	0.0038	0.00052	0.0055	0.0069	0.0000032 J+	0.0000025 J+	<0.0000086	<0.0000086	--
Octachlorodibenzo-p-dioxin	µg/L	NS	NS	0.41 J	0.074 J	0.83 J	0.99 J	0.0001 J	0.0000089 J	0.000029 J	0.000017 J	--
PeCDD (total)	µg/L	NS	NS	0.000016 J	<0.0000068	0.000013 J	0.000046 J	<0.0000068	<0.0000068	<0.0000068	<0.0000068	--
TCDD (total)	µg/L	NS	NS	0.0000075 J	<0.0000018	0.000013	0.000016	<0.0000018	<0.0000018	<0.0000018	<0.0000018	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran	µg/L	NS	NS	0.0081	0.0013	0.019	0.021	<0.0000076	<0.0000076	0.0000024 J	0.0000012 J	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	µg/L	NS	NS	0.00044	0.00008	0.00099	0.0013	<0.0000090	<0.0000090	<0.0000090	<0.0000090	--
1,2,3,4,7,8-Hexachlorodibenzofuran	µg/L	NS	NS	0.00075	0.000085	0.0011	0.0013	0.0000015 J	<0.0000085	<0.0000085	<0.0000085	--
1,2,3,6,7,8-Hexachlorodibenzofuran	µg/L	NS	NS	0.00013 J	0.000018 J	0.00028	0.00038 J	0.0000015 J	<0.0000092	<0.0000092	<0.0000092	--
1,2,3,7,8,9-Hexachlorodibenzofuran	µg/L	NS	NS	0.000097	0.000018 J	0.00024	0.00028	0.0000011 J	0.0000012 J	0.0000015 J	0.0000011 J	--
1,2,3,7,8-Pentachlorodibenzofuran	µg/L	NS	NS	0.000017 J	<0.0000051	0.000032 J	<0.0000051	<0.0000051	<0.0000051	<0.0000051	<0.0000051	--
2,3,4,6,7,8-Hexachlorodibenzofuran	µg/L	NS	NS	0.00017	0.000027 J	0.00034	0.00047	<0.0000076	<0.0000076	<0.0000076	<0.0000076	--
2,3,4,7,8-Pentachlorodibenzofuran	µg/L	NS	NS	0.00011	0.000015 J	0.00021	0.00027	<0.0000028	0.00000033 J	<0.0000028	<0.0000028	--
2,3,7,8-Tetrachlorodibenzofuran	µg/L	NS	NS	0.0000093 J	<0.0000017	0.000028	0.000034 J	<0.0000017	<0.0000017	<0.0000017	<0.0000017	--
HpCDF (total)	µg/L	NS	NS	0.0086	0.0013	0.02	0.022	<0.0000090	<0.0000090	0.0000024 J	<0.0000090	--
HxCDF (total)	µg/L	NS	NS	0.003	0.00043	0.0066	0.0076	0.0000015 J+	0.0000012 J+	<0.0000092	0.0000013 J+	--
Octachlorodibenzofuran	µg/L	NS	NS	0.053 J	0.0085	0.13 J	0.14 J	0.0000077 J	0.0000013 J	0.0000052 J	0.0000049 J	--
PeCDF (total)	µg/L	NS	NS	0.00074	0.000089	0.0014	0.0017	<0.0000051	0.00000033 J	<0.0000051	<0.0000051	--
Tetrachlorodibenzofuran	µg/L	NS	NS	0.000093	0.000014	0.00017	0.00026	0.0000038 J	<0.0000017	<0.0000017	<0.0000017	--
Metals												
Arsenic, Dissolved	µg/L	10	1	<5.1	<10.2	5.4 J	6.3 J	5.7 J	<5.1	<5.1	<5.1	--
Barium, Dissolved	µg/L	2000	400	74.6	106	15.3	14.9	26.5	55.6	91.3	50.3	--
Cadmium, Dissolved	µg/L	5	0.5	<1.3	<2.7	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	--
Chromium (total), Dissolved	µg/L	100	10	<2.5	<5.1	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	--
Lead, Dissolved	µg/L	15	1.5	<6.4	<12.8	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	--
Mercury, Dissolved	µg/L	2	0.2	<0.099	0.14 J	<0.099	<0.099	<0.099	<0.099	0.12 J	0.10 J	--
Selenium, Dissolved	µg/L	50	10	<12.3	<24.7	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	--
Silver, Dissolved	µg/L	50	10	<3.2	<6.5	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	--
PAHs												
1-Methylnaphthalene	µg/L	NS	NS	7.5	2.1	6.3	5.9	<0.018	<0.019	<0.019	<0.018	--
2-Methylnaphthalene	µg/L	NS	NS	9.9	1.9	7.9	7.2	<0.014	<0.015	<0.014	<0.014	--
Acenaphthene	µg/L	NS	NS	<0.11	0.031 J	<0.041	<0.041	<0.014	<0.015	<0.014	<0.014	--
Acenaphthylene	µg/L	NS	NS	<0.10	0.015 J	<0.038	<0.037	<0.012	<0.013	<0.013	<0.013	--
Anthracene	µg/L	3000	600	<0.15	<0.018	<0.055	<0.055	<0.018	<0.020	<0.019	<0.019	--
Benzo(a)anthracene	µg/L	NS	NS	<0.11	<0.013	<0.041	<0.040	<0.013	<0.014	<0.014	<0.014	--
Benzo(a)pyrene	µg/L	0.2	0.02	<0.10	<0.012	<0.038	<0.038	<0.013	<0.014	<0.013	<0.013	--
Benzo(b)fluoranthene	µg/L	0.2	0.02	<0.072	<0.0089	<0.027	<0.027	<0.0090	<0.0097	<0.0094	<0.0093	--
Benzo(g,h,i)perylene	µg/L	NS	NS	<0.18	<0.023	<0.070	<0.069	<0.023	<0.025	<0.024	<0.024	--
Benzo(k)fluoranthene	µg/L	NS	NS	<0.18	<0.022	<0.067	<0.066	<0.022	<0.024	<0.023	<0.023	--
Chrysene	µg/L	0.2	0.02	<0.10	<0.012	<0.038	<0.037	<0.012	<0.013	<0.013	<0.013	--
Dibenz(a,h)anthracene	µg/L	NS	NS	<0.14	<0.017	<0.053	<0.053	<0.018	<0.019	<0.018	<0.018	--
Fluoranthene	µg/L	400	80	<0.21	<0.025	<0.078	<0.077	<0.026	<0.028	<0.027	<0.027	--
Fluorene	µg/L	400	80	<0.19	0.098	<0.070	<0.069	<0.023	<0.025	<0.024	<0.024	--
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	<0.12	<0.015	<0.046	<0.046	<0.015	<0.017	<0.016	<0.016	--
Naphthalene	µg/L	100	10	61.4	14.9	26.5	24.2	<0.020	<0.021	<0.021	<0.020	--
Phenanthrene	µg/L	NS	NS	<0.20	0.041 J	<0.076	0.083 J	<0.025	<0.027	<0.027	<0.026	--
Pyrene	µg/L	250	50	<0.18	<0.022	<0.067	<0.067	<0.022	<0.024	<0.023	<0.023	--

Table 2. Groundwater Analytical Results

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Wisconsin Enforcement Standard (ES)	Wisconsin Preventive Action Limit (PAL)	Area A				Area B	Area C	Area D		
				TS-GW-TW-1	TS-GW-TW-3	TS-GW-TW-4	DUP-1	TS-GW-TW-5	TS-GW-TW-6	TS-GW-TW-7	TS-GW-TW-8	TB-1
Sample Date:				8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025
VOCs												
1,1,1,2-Tetrachloroethane	µg/L	70	7	<3.6	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,1,1-Trichloroethane	µg/L	200	40	<3.0	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,1,2,2-Tetrachloroethane	µg/L	0.2	0.02	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane	µg/L	5	0.5	<3.4	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,1-Dichloroethane	µg/L	850	85	<3.0	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,1-Dichloroethene	µg/L	7	0.7	<5.8	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58
1,1-Dichloropropene	µg/L	NS	NS	<4.1	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2,3-Trichlorobenzene	µg/L	NS	NS	<10.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	µg/L	60	12	<5.6	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
1,2,4-Trichlorobenzene	µg/L	70	14	<9.5	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95
1,2,4-Trimethylbenzene	µg/L	NS	NS	1410	727	754	784	<0.45	<0.45	<0.45	<0.45	<0.45
1,3,5-Trimethylbenzene	µg/L	NS	NS	463	163	236	258	<0.36	<0.36	<0.36	<0.36	<0.36
Trimethylbenzenes, Total ²	µg/L	480	96	1873	890	990	1042	<0.81	<0.81	<0.81	<0.81	<0.81
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.02	<3.6	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromoethane	µg/L	0.05	0.005	<3.1	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	µg/L	600	60	<3.3	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2-Dichloroethane	µg/L	5	0.5	<2.9	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
1,2-Dichloropropane	µg/L	5	0.5	<4.5	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
1,3-Dichlorobenzene	µg/L	600	120	<3.5	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,3-Dichloropropane	µg/L	NS	NS	<3.0	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
cis-1,3-Dichloropropene	µg/L	NS	NS	<2.4	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
trans-1,3-Dichloropropene	µg/L	NS	NS	<5.8	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58
1,3-Dichloropropene ¹	µg/L	0.4	0.04	<8.2	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
1,4-Dichlorobenzene	µg/L	75	15	<8.9	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
2,2-Dichloropropane	µg/L	NS	NS	<4.2	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
2-Chlorotoluene	µg/L	NS	NS	<8.9	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
4-Chlorotoluene	µg/L	NS	NS	<8.9	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Benzene	µg/L	5	0.5	<3.0	0.63 J	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Bromobenzene	µg/L	NS	NS	<3.6	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Bromochloromethane	µg/L	NS	NS	<3.6	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Bromodichloromethane	µg/L	0.6	0.06	<2.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Bromoform	µg/L	4.4	0.44	<4.3	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Bromomethane	µg/L	10	1	<11.9	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Carbon Tetrachloride	µg/L	5	0.5	<3.7	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chlorobenzene	µg/L	100	20	<8.6	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Chloroethane	µg/L	400	80	<13.8	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Chloroform	µg/L	6	0.6	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloromethane	µg/L	30	3	<16.4	<1.6	1.6 J	2.8 J	<1.6	<1.6	1.7 J	<1.6	<1.6
cis-1,2-Dichloroethene	µg/L	70	7	<4.7	1.4	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Cumene	µg/L	NS	NS	48.6 J	74.8	30.0	30.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	µg/L	60	6	<26.4	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
Dibromomethane	µg/L	NS	NS	<9.9	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
Dichlorodifluoromethane	µg/L	1000	200	<4.6	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Diisopropyl ether	µg/L	NS	NS	<11.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Ethyl Benzene	µg/L	700	140	23.9	34.4	2.4	2.3	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorobutadiene	µg/L	NS	NS	<27.4	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7
Methyl tert-butyl ether	µg/L	60	12	<11.3	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Methylene Chloride	µg/L	5	0.5	<3.2	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Naphthalene	µg/L	100	10	120	19.8	44.7	45.1	<1.9	<1.9	<1.9	<1.9	<1.9
n-Butylbenzene	µg/L	NS	NS	<8.6	<0.86	<0.86	31.7	<0.86	<0.86	<0.86	<0.86	<0.86
n-Propylbenzene	µg/L	NS	NS	95.1	78.3	49.9	51.9	<0.35	<0.35	<0.35	<0.35	<0.35
p-Cymene	µg/L	NS	NS	56.7	9.1	33.9	35.1	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	µg/L	NS	NS	39.3	33.2	21.9	22.2	<0.42	<0.42	<0.42	<0.42	<0.42
Styrene	µg/L	100	10	<3.6	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
tert-Butylbenzene	µg/L	NS	NS	14.2	11.8	11.1	11.3	<0.59	<0.59	<0.59	<0.59	<0.59
Tetrachloroethene	µg/L	5	0.5	<4.1	2.1	1.6	1.4	<0.41	<0.41	<0.41	<0.41	<0.41
Toluene	µg/L	800	160	<2.9	3.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
trans-1,2-Dichloroethene	µg/L	100	20	<5.3	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53
Trichloroethene	µg/L	5	0.5	<3.2	8.0	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Trichlorofluoromethane	µg/L	3490	698	<4.2	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Vinyl Chloride	µg/L	0.2	0.02	<1.7	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
ortho-xylene	µg/L	NS	NS	232	313	16.7	16.1	<0.35	<0.35	<0.35	<0.35	<0.35
m,p-xylene	µg/L	NS	NS	53.6	67.2	6.4	6.0	<0.70	<0.70	<0.70	<0.70	<0.70
Xylenes, Total ³	µg/L	2000	400	285.6	380.2	23.1	22.1	<1.05	<1.05	<1.05	<1.05	<1.05

Table 2. Groundwater Analytical Results

Phase 2 Investigation Report
110-249 East Thomas Street
Wausau, WI
BRRTS # 07-37-594269

Sample Location:		Wisconsin Enforcement Standard (ES)	Wisconsin Preventive Action Limit (PAL)	Area A				Area B	Area C	Area D		TB-1
				TS-GW-TW-1	TS-GW-TW-3	TS-GW-TW-4	DUP-1	TS-GW-TW-5	TS-GW-TW-6	TS-GW-TW-7	TS-GW-TW-8	
Sample Date:				8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025	8/28/2025
Field Parameters												
Dissolved Oxygen	mg/L	NS	NS	0.28	0.19	0.47	0.47	4.05	0.44	0.62	0.12	--
Groundwater, depth to	feet	NS	NS	24.65	17.7	17.42	17.42	14.15	9.4	8.38	9.41	--
Oxidation Reduction Potential	millivolts	NS	NS	-42.1	46.9	-5.8	-5.8	45.5	92.8	87.5	34.3	--
pH, Field	pH units	NS	NS	6.89	6.72	6.82	6.82	6.97	6.88	7.26	6.97	--
Specific Conductance, Field	mmhos/cm	NS	NS	0.4521	1.0822	0.2098	0.2098	0.276	0.4185	0.7924	0.4774	--
Temperature, Water	degrees C	NS	NS	14.24	14.37	16.3	16.3	15.84	18.37	17.47	19.42	--
Turbidity, Quantitative	NTU	NS	NS	31.99	47.65	52.28	52.28	27.03	13.11	31.85	23.32	--

[O: JJB 10/2/25, C:LDH 10/2/25, U: JJB 11/19/25, U: KRP 12/15/25]

Notes:

Bold	result meets or exceeds WDNR ES
<u>Underlined</u>	result meets or exceeds WDNR PAL
Pink Highlighting	Exceeds one or more standard

Screening Criteria:

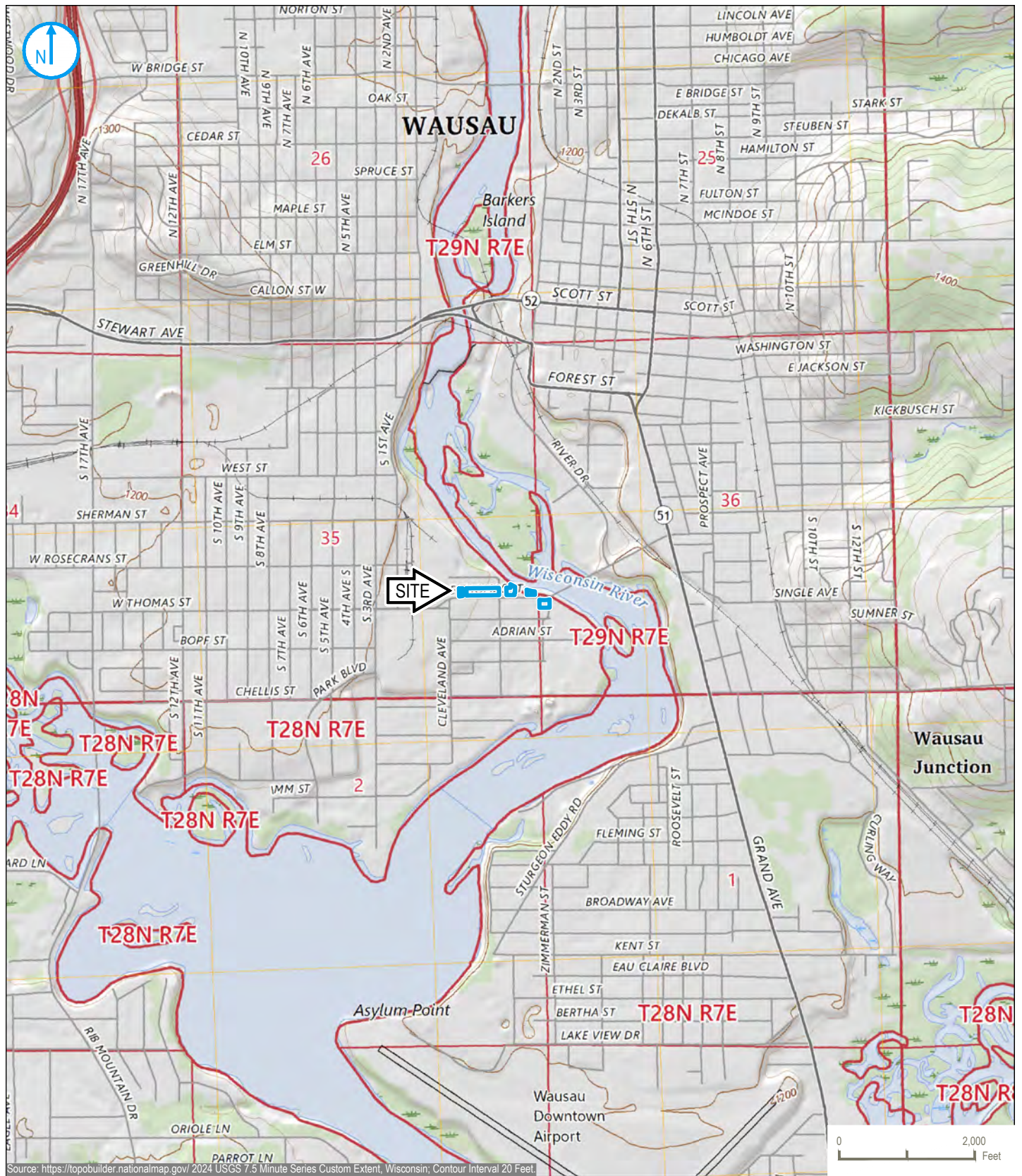
PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective July 2023.

Superscripts

- 1,3-Dichloropropene was calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reported limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
- Total trimethylbenzenes were calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reporting limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
- Total Xylenes, when not calculated by the lab, were calculated by Ramboll as follows:
 - Where no detections were observed, the sum of the reported limits is presented.
 - Where detections were observed, only the detected results were added together for the total summation.
 - Analytes used for the calculation are Xylene-o and Xylene-m+p.

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

FIGURES



Map Scale: 1:24,000 | Map Center: 44.9491, -89.6318



KEY MAP

SITE LOCATION MAP

FIGURE 01

THOMAS STREET
CORRIDOR PROJECT
WAUSAU, WISCONSIN

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



- PROPERTY BOUNDARY (APPROXIMATE)
- PARCEL BOUNDARY (APPROXIMATE)
- APPROXIMATE LOCATIONS OF RAZED STRUCTURES

SITE LAYOUT

THOMAS STREET
CORRIDOR PROJECT
WAUSAU, WISCONSIN

FIGURE 02

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





- PROPERTY BOUNDARY (APPROXIMATE)
- - - PARCEL BOUNDARY (APPROXIMATE)
- ⊕ SOIL BORING/TEMPORARY MONITORING WELL LOCATION
- ⊕ SOIL BORING LOCATION
- APPROXIMATE LOCATIONS OF RAZED STRUCTURES

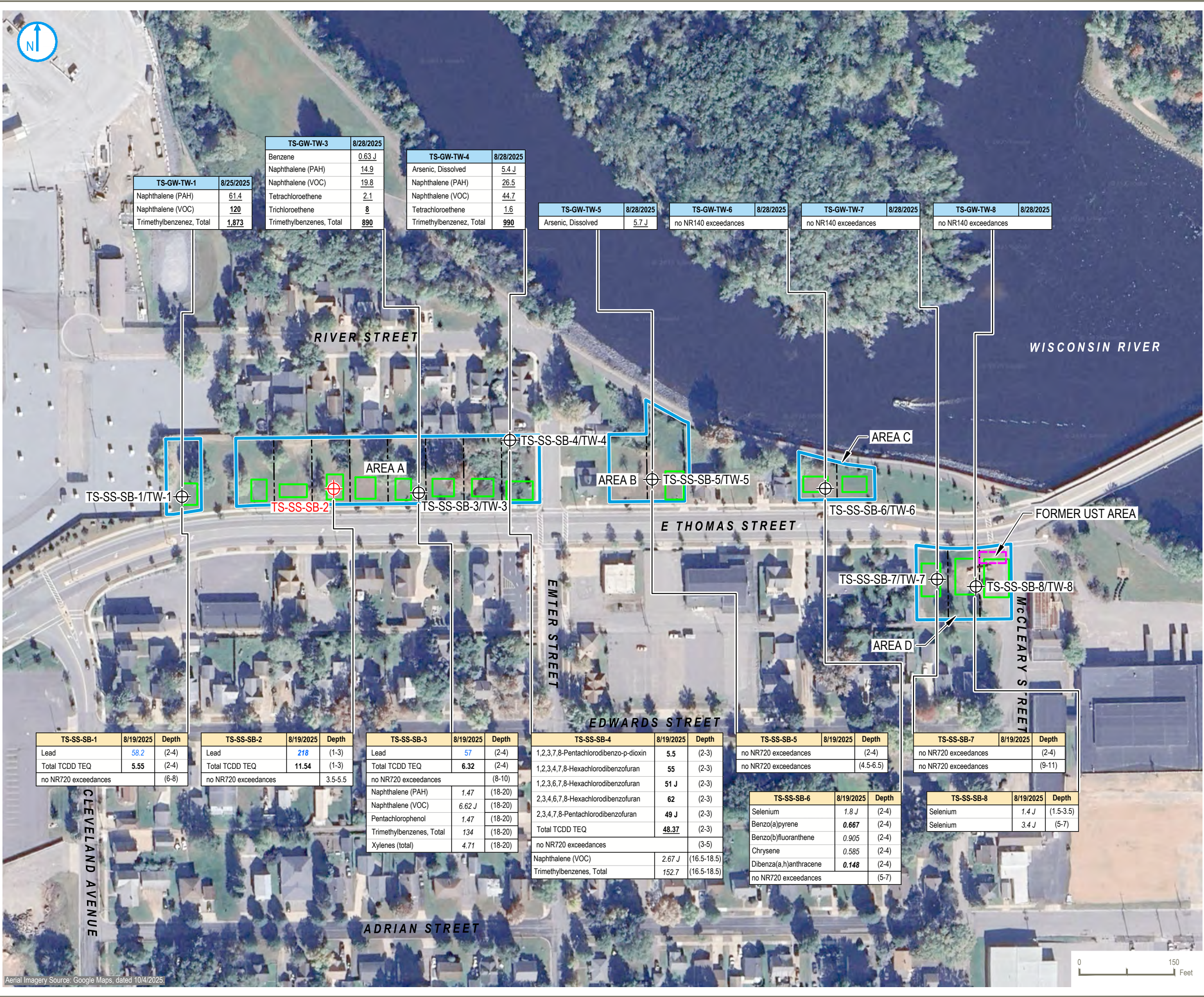
SAMPLE LOCATION MAP

FIGURE 03

THOMAS STREET
CORRIDOR PROJECT
WAUSAU, WISCONSIN

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





PROPERTY BOUNDARY (APPROXIMATE)

PARCEL BOUNDARY (APPROXIMATE)

SOIL BORING/TEMPORARY MONITORING WELL LOCATION

PROPOSED SOIL BORING LOCATION

APPROXIMATE LOCATIONS OF RAZED STRUCTURES

Notes:

1. PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective July 2023.

2. Soil screening criteria are derived from the WCNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs revised effective October 2024.

NR 720 Soil Standards		Background Threshold Values	Groundwater Pathways RCL	Industrial DC RCL	Non-Industrial DC RCL
Lead	mg/kg	51.6	27	800	200
Selenium	mg/kg	NS	0.52	5,840	391
Benzo(a)pyrene	mg/kg	NS	0.47	2.11	0.115
Benzo(b)fluoranthene	mg/kg	NS	0.48	21.1	1.15
Chrysene	mg/kg	NS	0.14	2,110	115
Dibenz(a,h)anthracene	mg/kg	NS	NS	2.11	0.115
Naphthalene (VOC)	mg/kg	NS	0.66	10.2	234
Pentachlorophenol	mg/kg	NS	0.00276	3.97	1.02
Trimethylbenzenes, Total	mg/kg	NS	1.4	182	182
Xylenes (total)	mg/kg	NS	0.000138	2.08	0.0668
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	ng/kg	NS	NS	22.3	4.93
1,2,3,4,7,8-Hexachlorodibenzofuran	ng/kg	NS	NS	220	48.5
1,2,3,6,7,8-Hexachlorodibenzofuran	ng/kg	NS	NS	220	8.5
2,3,4,6,7,8-Hexachlorodibenzofuran	ng/kg	NS	NS	223	49.3
2,3,4,7,8-Pentachlorodibenzofuran	ng/kg	NS	NS	74.4	16.4
Total TCDD TEQ	ng/kg	NS	NS	21.8	4.82

NR 140 Groundwater Standards		Enforcement Standard (ES)	Preventive Action Limit (PAL)
Arsenic, Dissolved	µg/L	10	1
Benzene	µg/L	5	0.5
Naphthalene	µg/L	100	10
Tetrachloroethene	µg/L	5	0.5
Trichloroethene	µg/L	5	0.5
Trimethylbenzenes, Total	µg/L	480	96

SOIL AND GROUNDWATER REGULATORY EXCEEDANCES

THOMAS STREET CORRIDOR PROJECT
WAUSAU, WISCONSIN

FIGURE 04

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

ATTACHMENT A

SOIL BORING AND ABANDONMENT LOGS

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

Page 1 of 2

Facility/Project Name Thomas Street Corridor Parcels: 110-249 E Thomas St			License/Permit/Monitoring Number		Boring Number TS-SS-SB-1		
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services, Inc.			Date Drilling Started 8/19/2025		Date Drilling Completed 8/19/2025		
WI Unique Well No.			DNR Well ID No.		Common Well Name TW-1		
Final Static Water Level Feet (NAVD88)			Surface Elevation Feet (NAVD88)		Borehole Diameter 2.0 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane N, E S/C/N			Lat 44 ° 56 ' 56.25 "		Local Grid Location ☐ N ☐ E ☐ S ☐ W		
1/4 of T			1/4 of Section N, R		Long 89 ° 38 ' 4.49 "		
Facility ID		County Marathon		County Code 37		Civil Town/City/ or Village Wausau	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
1 CS	60 30		1	0 - 1.2' FILL, TOPSOIL: SP, very dark brown (10YR 2/2), fine to medium sand, gravel (5-15%), organics (0-5%), moist.	(FILL) SP									Sampled 2-4 feet below ground surface (ft bgs)
			2	1.2 - 2.5' FILL, POORLY-GRADED SAND: SP, dark yellowish brown (10YR 3/4), very fine to fine sand, gravel (5-15%), dry.	(FILL) SP			0						
			3	2.5 - 3' FILL, POORLY-GRADED SAND WITH SILT: SP-SM, very dark brown (10YR 2/2), fine to medium sand, gravel (5-15%), organics (0-5%), moist.	(FILL) SP-SM			0						
			4	3 - 5' FILL, WELL-GRADED SAND WITH GRAVEL: (SW)g, dark yellowish brown (10YR 4/6), fine to coarse sand, dry.	(FILL) (SW)g									
2 CS	60 22		5	4.3' cobble.										Sampled 6-8 ft bgs
			6	4.4' dark yellowish brown (10YR 4/4).	(FILL) (SW)g			0						
			7	5 - 6' FILL, WELL-GRADED SAND WITH GRAVEL: (SW)g, dark yellowish brown (10YR 4/4), fine to coarse sand, dry.										
			8	5.1' cobble.										
			9	6 - 25' POORLY-GRADED SAND: SP, brown (7.5YR 5/4), medium to coarse sand, gravel (10-20%), dry.				0						
			10	8' moist.	SP			0						
3 CS	60 35		11	11' medium to very coarse sand.				0						
			12											

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

Signature <i>Edward Anderson</i>	Firm Ramboll 234 W. Florida Street, Milwaukee, WI 53204	Tel: (414) 837-3607 Fax: (414) 837-3608

Boring Number **TS-SS-SB-1**

Use only as an attachment to Form 4400-122.

Page **2** of **2**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments		
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200			
4 CS	60 34		13	6 - 25' POORLY-GRADED SAND: SP, brown (7.5YR 5/4), medium to coarse sand, gravel (10-20%), dry. <i>(continued)</i>	SP			0								
		14														
		15	0													
		16														
5 CS	60 12	17									0					
		18														
		19									0					
		20														
		21									0					
		22														
		23					0									
		24														
		25														
			25'	End of Boring.												

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

Page 1 of 1

Facility/Project Name Thomas Street Corridor Parcels: 110-249 E Thomas St			License/Permit/Monitoring Number		Boring Number TS-SS-SB-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services, Inc.			Date Drilling Started 8/19/2025		Date Drilling Completed 8/19/2025	
Drilling Method GeoProbe						
WI Unique Well No.		DNR Well ID No.		Common Well Name		
				Final Static Water Level Feet (NAVD88)		Surface Elevation Feet (NAVD88)
						Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐			Local Grid Location			
State Plane N, E S / C / N			Lat ° ' "			☐ N ☐ E
1/4 of T N, R			Long ° ' "			Feet ☐ S Feet ☐ W
Facility ID		County Marathon		County Code 37		Civil Town/City/ or Village Wausau

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
1 CS	60 38		1	0 - 1' FILL, TOPSOIL: SP, very dark brown (10YR 2/2), fine to medium sand, organics (0-5%), moist.	(FILL) SP									Sampled 1-3 ft bgs
			2	1 - 2.5' FILL, WELL-GRADED SAND WITH SILT: SW-SM, very dark brown (10YR 2/2), very fine to medium sand, moist to dry.	(FILL) SW-SM			0						
			3	2.2' dark brown (7.5YR 3/4).										Sampled 3.5-5.5 ft bgs
			4	2.5 - 15' POORLY-GRADED SAND WITH GRAVEL: (SP)g, brown (7.5YR 5/4), medium to coarse sand, moist.				0						
2 CS	60 39		5					0						
			6					0						
			7					0						
			8					0						
			9		(SP)g			0						
			10					0						
3 CS	60 34		11					0						
			12					0						
			13					0						
			14					0						
			15	15' End of Boring.										

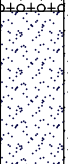
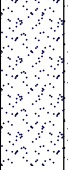
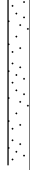
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm Ramboll 234 W. Florida Street, Milwaukee, WI 53204	Tel: (414) 837-3607 Fax: (414) 837-3608

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

Page 1 of 2

Facility/Project Name Thomas Street Corridor Parcels: 110-249 E Thomas St			License/Permit/Monitoring Number		Boring Number TS-SS-SB-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services, Inc.			Date Drilling Started 8/19/2025		Date Drilling Completed 8/19/2025	
Drilling Method GeoProbe						
WI Unique Well No.	DNR Well ID No.	Common Well Name TW-3	Final Static Water Level Feet (NAVD88)		Surface Elevation Feet (NAVD88)	
					Borehole Diameter 2.0 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐			Local Grid Location			
State Plane N, E S/C/N			Lat 44 ° 56' 56.30"			
1/4 of Section T N, R			Long 89 ° 37' 59.28"			
Facility ID			County Marathon	County Code 37	Civil Town/City/ or Village Wausau	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
1 CS	60 28		1	0 - 1.2' FILL, TOPSOIL: CL, very dark brown (10YR 2/2), organics (0-5%), moist.	(FILL) CL								Sampled 6-8 ft bgs	
			2	1.2 - 2.8' FILL, SILTY SAND: SM, very dark brown (10YR 2/2), very fine sand, gravel (0-5%), organics (0-5%), dry.	(FILL) SM			0						
			3	2.8 - 5' FILL, POORLY-GRADED SAND: SP, reddish brown (5YR 4/4), very fine sand, dry.	(FILL) SP			0						
2 CS	60 37		5	5 - 8' FILL, POORLY-GRADED SAND WITH GRAVEL: (SP)g, brown (7.5YR 5/4), medium to coarse sand, moist.	(FILL) (SP)g			0					Sampled 8-10 ft bgs	
			6											
			7					0						
			8	8 - 17.9' POORLY-GRADED SAND: SP, brown (7.5YR 5/4), medium to coarse sand, gravel (5-15%), moist.										
			9					0						
			10		SP									
3 CS	60 38		11					0						
			12											

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

Signature 	Firm Ramboll 234 W. Florida Street, Milwaukee, WI 53204	Tel: (414) 837-3607 Fax: (414) 837-3608

Page 2 of 2

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

Page 1 of 2

Facility/Project Name Thomas Street Corridor Parcels: 110-249 E Thomas St			License/Permit/Monitoring Number		Boring Number TS-SS-SB-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services, Inc.			Date Drilling Started 8/19/2025		Date Drilling Completed 8/19/2025	
Drilling Method GeoProbe						
WI Unique Well No.	DNR Well ID No.	Common Well Name TW-4	Final Static Water Level Feet (NAVD88)		Surface Elevation Feet (NAVD88)	
					Borehole Diameter 2.0 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐			Lat 44 ° 56 ' 57.11"		Local Grid Location	
State Plane N, E S / C / N			Long 89 ° 37 ' 57.27"		☐ N ☐ E ☐ S ☐ W	
1/4 of T 1/4 of Section N, R						
Facility ID		County Marathon	County Code 37	Civil Town/City/ or Village Wausau		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
1 CS	60 37		1	0 - 2.2' FILL, TOPSOIL: CL, very dark brown (10YR 2/2), organics (0-5%), moist.	(FILL) CL			0						Sampled 2-3 ft bgs Sampled 3-5 ft bgs
			2											
			3	2.2 - 2.8' FILL, POORLY-GRADED SAND: SP, dark yellowish brown (10YR 3/4), very fine to fine sand, dry.	(FILL) SP			0						
			4	2.8 - 10' POORLY-GRADED SAND WITH GRAVEL: (SP)g, brown (7.5YR 5/4), fine to medium sand, dry.										
			5	5' wet.				0						
			6											
			7		(SP)g			0						
			8	7.7' fine to coarse sand.										
			9					0						
			10											
2 CS	60 40		11											
			12											
3 CS	60 44		10	10 - 25' POORLY-GRADED SAND: SP, brown (7.5YR 5/4), fine to medium sand, gravel (0-5%), wet.	SP			0						
			11											
			12											

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

Signature 	Firm Ramboll 234 W. Florida Street, Milwaukee, WI 53204	Tel: (414) 837-3607 Fax: (414) 837-3608

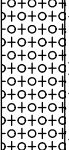
Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
4 CS	60 33		13	10 - 25' POORLY-GRADED SAND: SP, brown (7.5YR 5/4), fine to medium sand, gravel (0-5%), wet. <i>(continued)</i> 12.4' very dark brown (10YR 2/2). 12.7' dark reddish brown (5YR 3/4). 13.3' dark brown (7.5YR 3/4).	SP			0						
		14	0											
		15	0											
		16												
		17	870.6											
5 CS	60 26		18	16.5' dark gray (10YR 4/1), strong odor.				645.9				Sampled 16.5-18.5 ft bgs		
		19	18' faint odor.											
		20				9.6								
		21	21' no odor.				0							
		22												
			23					0						
			24											
			25	25' End of Boring.										

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

Page 1 of 2

Facility/Project Name Thomas Street Corridor Parcels: 110-249 E Thomas St			License/Permit/Monitoring Number		Boring Number TS-SS-SB-5	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services, Inc.			Date Drilling Started 8/19/2025		Date Drilling Completed 8/19/2025	
Drilling Method GeoProbe						
WI Unique Well No.	DNR Well ID No.	Common Well Name TW-5	Final Static Water Level Feet (NAVD88)		Surface Elevation Feet (NAVD88)	
					Borehole Diameter 2.0 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐			Local Grid Location			
State Plane N, E S/C/N			Lat 44 ° 56 ' 56.49"			
1/4 of Section T N, R			Long 89 ° 37 ' 54.15 "			
Facility ID			County Marathon	County Code 37	Civil Town/City/ or Village Wausau	

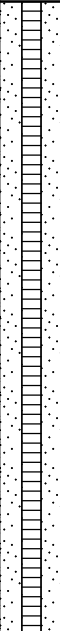
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
1 CS	60 34		1	0 - 0.6' FILL, WELL-GRADED GRAVEL WITH SAND: (GW)s, dark brown (7.5YR 3/3), subrounded to angular, moist.	(FILL) (GW)s								Sampled 2-4 ft bgs + Duplicate sample	
			2	0.6 - 3' FILL, POORLY-GRADED SAND: SP, dark brown (7.5YR 3/3), very fine sand, silt (0-10%), moist.	(FILL) SP			0						
			3	3 - 4.2' FILL, POORLY-GRADED SAND: SP, dark brown (7.5YR 3/4), fine to medium sand, moist.	(FILL) SP			0						
2 CS	60 34		5	4.2 - 11.5' POORLY-GRADED SAND WITH GRAVEL: (SP)g, dark brown (7.5YR 3/4), fine to medium sand, moist.	(SP)g			0					Sampled 4.5-6.5 ft bgs	
			6											
			7					0						
			8											
			9					0						
			10											
3 CS	60 28		11					0						
			12		SW									

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

Signature <i>Edward Anderson</i>	Firm Ramboll 234 W. Florida Street, Milwaukee, WI 53204	Tel: (414) 837-3607 Fax: (414) 837-3608

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
4 CS	60 46		13	11.5 - 20' WELL-GRADED SAND: SW, brown (7.5YR 5/4), fine to coarse sand, wet. <i>(continued)</i>	SW			0						
		14	0											
		15	0											
		16	0											
		17	0											
		18	0											
	19	0												
	20	20' End of Boring.												

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

Page 1 of 1

Facility/Project Name Thomas Street Corridor Parcels: 110-249 E Thomas St			License/Permit/Monitoring Number		Boring Number TS-SS-SB-6	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services, Inc.			Date Drilling Started 8/19/2025		Date Drilling Completed 8/19/2025	
Drilling Method GeoProbe						
WI Unique Well No.	DNR Well ID No.	Common Well Name TW-6	Final Static Water Level Feet (NAVD88)		Surface Elevation Feet (NAVD88)	
					Borehole Diameter 2.0 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐			Local Grid Location			
State Plane N, E S/C/N			Lat 44° 56' 56.33"			
1/4 of Section T N, R			Long 89° 37' 50.34"			
Facility ID			County Marathon	County Code 37	Civil Town/City/ or Village Wausau	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
1 CS	60 28		1	0 - 1' FILL, TOPSOIL: CL, very dark brown (10YR 2/2), organics (0-5%), moist.	(FILL) CL									Sampled 2-4 ft bgs
			2	1 - 5' FILL, POORLY-GRADED SAND: SP, very dark brown (7.5YR 2.5/3), very fine to fine sand, gravel (5-15%), silt (0-10%), wet.	(FILL) SP			0						
2 CS	60 26		5	5 - 10' WELL-GRADED SAND WITH GRAVEL: (SW)g, dark brown (7.5YR 3/4), fine to coarse sand, wet.	(SW)g			0						Sampled 5-7 ft bgs
			6					0						
			7					0						
			8					0						
			9					0						
3 CS	60 30		10	10 - 11.3' WELL-GRADED GRAVEL WITH SAND: (GW)s, dark brown (7.5YR 3/4), subrounded to subangular, wet.	(GW)s			0						
			11	11.3 - 15' POORLY-GRADED SAND: SP, dark yellowish brown (10YR 4/4), fine to medium sand, wet.				0						
			12					0						
			13	13' fine to coarse sand.	SP			0						
			14											
			15	15' End of Boring.										

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

Signature 	Firm Ramboll 234 W. Florida Street, Milwaukee, WI 53204	Tel: (414) 837-3607 Fax: (414) 837-3608

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

Page 1 of 1

Facility/Project Name Thomas Street Corridor Parcels: 110-249 E Thomas St			License/Permit/Monitoring Number		Boring Number TS-SS-SB-7	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services, Inc.			Date Drilling Started 8/19/2025		Date Drilling Completed 8/19/2025	
Drilling Method GeoProbe						
WI Unique Well No.	DNR Well ID No.	Common Well Name TW-7	Final Static Water Level Feet (NAVD88)		Surface Elevation Feet (NAVD88)	
					Borehole Diameter 2.0 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐			Lat 44° 56' 54.91"		Local Grid Location	
State Plane N, E S/C/N			Long 89° 37' 48.00"		☐ N ☐ E ☐ S ☐ W	
1/4 of T 1/4 of Section N, R						
Facility ID		County Marathon	County Code 37	Civil Town/City/ or Village Wausau		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
1 CS	60 41		1	0 - 0.6' FILL, TOPSOIL: CL, very dark brown (10YR 2/2), organics (0-5%), moist.	(FILL) CL									Sampled 2-4 ft bgs
			2	0.6 - 8' FILL, POORLY-GRADED SAND: SP, brown (7.5YR 4/4), fine to medium sand, moist.				0						
			3	2' wet.										
			4					0						
2 CS	60 19		5	4.5' fine to coarse sand.	(FILL) SP			0						Sampled 9-11 ft bgs
			6					0						
			7					0						
			8					0						
			9	8 - 8.5' SILTY SAND: SM, dark brown (7.5YR 3/2), fine to coarse sand, cohesive, wet.	SM			0						
			10	8.5 - 10' WELL-GRADED SAND WITH GRAVEL: (SW)g, dark brown (7.5YR 3/4), fine to coarse sand, wet.	(SW)g			0						
			11	10 - 11.3' WELL-GRADED GRAVEL WITH SAND: (GW)s, dark brown (7.5YR 3/4), subrounded to subangular, wet.	(GW)s			0						
			12	11.3 - 15' POORLY-GRADED SAND: SP, dark yellowish brown (10YR 4/4), fine to medium sand, wet.				0						
3 CS	60 32		13	13' fine to coarse sand.	SP			0						
			14											
			15	15' End of Boring.										

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

Signature <i>Edward Anderson</i>	Firm Ramboll 234 W. Florida Street, Milwaukee, WI 53204	Tel: (414) 837-3607 Fax: (414) 837-3608

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

Page 1 of 1

Facility/Project Name Thomas Street Corridor Parcels: 110-249 E Thomas St			License/Permit/Monitoring Number		Boring Number TS-SS-SB-8		
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services, Inc.			Date Drilling Started 8/19/2025		Date Drilling Completed 8/19/2025		
WI Unique Well No.			DNR Well ID No.		Common Well Name TW-8		
Final Static Water Level Feet (NAVD88)			Surface Elevation Feet (NAVD88)		Borehole Diameter 2.0 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane N, E S/C/N 1/4 of T 1/4 of Section N, R			Lat 44 ° 56 ' 54.79" Long 89 ° 37 ' 47.04"		Local Grid Location ☐ N ☐ E ☐ S ☐ W		
Facility ID		County Marathon		County Code 37		Civil Town/City/ or Village Wausau	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID 10.6 eV	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength (tsf)	Shear Strength (tsf)	Liquid Limit	Plasticity Index	P 200	
1 CS	60 35		1	0 - 0.6' FILL, TOPSOIL: SW, very dark brown (10YR 2/2), fine to medium sand, gravel (5-15%), organics (0-5%), moist.	(FILL) SW			0						Sampled 1.5-3.5 ft bgs
			2	0.6 - 3.9' FILL, POORLY-GRADED SAND: SP, brown (7.5YR 4/4), very fine sand, gravel (0-5%), moist.	(FILL) SP			0						
			3					0						Sampled 5-7 ft bgs
			4	3.9 - 4.5' SANDY SILT: s(ML), brown (7.5YR 4/4), very fine sand, moist.	s(ML)			0						
2 CS	60 29		5	4.5 - 10.5' POORLY-GRADED SAND WITH GRAVEL: (SP)g, dark brown (7.5YR 3/4), fine to medium sand, moist.				0						
			6	6.5' fine to coarse sand.	(SP)g			0						
			7					0						
			8					0						
			9	9' wet.				0						
			10					0						
3 CS	60 28		11	10.5 - 15' WELL-GRADED SAND WITH GRAVEL: (SW)g, dark brown (7.5YR 3/4), fine to very coarse sand, wet.	(SW)g			0						
			12					0						
			13					0						
			14					0						
			15	15' End of Boring.				0						

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

Signature <i>Edward Anderson</i>	Firm Ramboll 234 W. Florida Street, Milwaukee, WI 53204	Tel: (414) 837-3607 Fax: (414) 837-3608



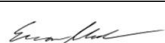
WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION			
Unique Well No.	Well ID No.	County Marathon	Facility Name Thomas Street Corridor Parcels: 110-249 E Thomas St			
Common Well Name TW-1 Gov't Lot (if applicable)			Facility ID 737246620	License/Permit/Monitoring No.		
1/4 of 1/4 of Sec. ; T. R.			Street Address of Well 110-249 E Thomas St			
Grid Location ft. N. S., ft. E. W.			City, Village, or Town Wausau			
Local Grid Origin (estimated:) or Well Location			Present Well Owner City of Wausau	Original Owner City of Wausau		
Lat 44 ° 56 ' 56.25 " Long 89 ° 38 ' 4.49 " or S C N			Street Address or Route of Owner 407 Grant St			
State Plane ft. N. ft. E.			City, State, Zip Code Wausau, WI 54403			
Reason For Abandonment No longer in use			Unique Well No.			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date 8/19/2025			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable			
☒ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole			Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable			
If a Well Construction Report is available, please attach.			Screen Removed? ☒ Yes ☐ No ☐ Not Applicable			
Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)			Casing Left in Place? ☐ Yes ☒ No			
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock			Was Casing Cut Off Below Surface? ☐ Yes ☒ No			
Total Well Depth (ft) 25.0 Casing Diameter (in.) 1.00 (From ground surface) Casing Depth (ft.) 25.0			Did Sealing Material Rise to Surface? ☒ Yes ☐ No			
Lower Drillhole Diameter (in.) 2.3			Did Material Settle After 24 Hours? ☐ Yes ☒ No			
Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown			If Yes, Was Hole Retopped? ☐ Yes ☐ No			
If Yes, To What Depth? Feet			Required Method of Placing Sealing Material			
Depth to Water (Feet)			☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped ☒ Screened & Poured ☐ Other (Explain) (Bentonite Chips)			
(5) Sealing Material Used			From (Ft.)	To (Ft.)	Sacks	Mix Ratio or Mud Weight
Bentonite Chips 3/8"			Surface	25.0	0.25	
(6) Comments						
(7) Name of Person or Firm Doing Sealing Work Ramboll			Date of Abandonment 8/28/25			
Signature of Person Doing Work			Date Signed 11/25/25			
Street or Route 234 Florida Street, Fifth Floor,			Telephone Number (414) 837-3607			
City, State, Zip Code Milwaukee, WI 53204						

Comments



WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION			
Unique Well No.	Well ID No.	County Marathon	Facility Name Thomas Street Corridor Parcels: 110-249 E Thomas St			
Common Well Name <u>TS-SS-SB-2</u> Gov't Lot (if applicable) _____			Facility ID 737246620	License/Permit/Monitoring No.		
_____ 1/4 of _____ 1/4 of Sec. _____ ; T. _____ R. _____ Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat _____ ° _____ ' _____ " Long _____ ° _____ ' _____ " or _____ S C N State Plane _____ ft. N. _____ ft. E.			Street Address of Well 110-249 E Thomas St			
Reason For Abandonment Soil Boring			City, Village, or Town Wausau			
Unique Well No.			Present Well Owner City of Wausau			
			Original Owner City of Wausau			
			Street Address or Route of Owner 407 Grant St			
			City, State, Zip Code Wausau, WI 54403			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date <u>8/19/2025</u> ☒ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) _____ Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft) <u>15.0</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2</u> Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☒ Yes ☐ No ☐ Not Applicable Casing Left in Place? ☐ Yes ☒ No Was Casing Cut Off Below Surface? ☐ Yes ☒ No Did Sealing Material Rise to Surface? ☒ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☒ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped ☒ Screened & Poured ☐ Other (Explain) (Bentonite Chips) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite			
(5) Sealing Material Used			From (Ft.)	To (Ft.)	Sacks	Mix Ratio or Mud Weight
Bentonite Chips 3/8"			Surface	15.0	0.25	
(6) Comments _____						
(7) Name of Person or Firm Doing Sealing Work Ramboll			Date of Abandonment 8/28/25			
Signature of Person Doing Work 			Date Signed 11/25/25			
Street or Route 234 Florida Street, Fifth Floor,			Telephone Number (414) 837-3607			
City, State, Zip Code Milwaukee, WI 53204						

Comments



WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION			
Unique Well No.	Well ID No.	County Marathon	Facility Name Thomas Street Corridor Parcels: 110-249 E Thomas St			
Common Well Name TW-3 Gov't Lot (if applicable)			Facility ID 737246620	License/Permit/Monitoring No.		
Grid Location ____ 1/4 of ____ 1/4 of Sec. ____ ; T. ____ R. ____ ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat 44 ° 56 ' 56.30 " Long 89 ° 37 ' 59.28 " or S C N State Plane ____ ft. N. ____ ft. E.			Street Address of Well 110-249 E Thomas St City, Village, or Town Wausau Present Well Owner City of Wausau Original Owner City of Wausau Street Address or Route of Owner 407 Grant St City, State, Zip Code Wausau, WI 54403			
Reason For Abandonment No longer in use			Unique Well No.			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date 8/19/2025 ☒ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) _____ Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft) 25.0 Casing Diameter (in.) 1.00 (From ground surface) Casing Depth (ft.) 25.0 Lower Drillhole Diameter (in.) 2.3 Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☒ Yes ☐ No ☐ Not Applicable Casing Left in Place? ☐ Yes ☒ No Was Casing Cut Off Below Surface? ☐ Yes ☒ No Did Sealing Material Rise to Surface? ☒ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☒ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped ☒ Screened & Poured ☐ Other (Explain) (Bentonite Chips) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite			
(5) Sealing Material Used			From (Ft.)	To (Ft.)	Sacks	Mix Ratio or Mud Weight
Bentonite Chips 3/8"			Surface	25.0	0.25	
(6) Comments						
(7) Name of Person or Firm Doing Sealing Work Ramboll			Date of Abandonment 8/28/25			
Signature of Person Doing Work 			Date Signed 11/25/25			
Street or Route 234 Florida Street, Fifth Floor,			Telephone Number (414) 837-3607			
City, State, Zip Code Milwaukee, WI 53204						



WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION			
Unique Well No.	Well ID No.	County Marathon	Facility Name Thomas Street Corridor Parcels: 110-249 E Thomas St			
Common Well Name TW-4 Gov't Lot (if applicable)			Facility ID 737246620	License/Permit/Monitoring No.		
1/4 of 1/4 of Sec. ; T. R.			Street Address of Well 110-249 E Thomas St			
Grid Location ft. N. S., ft. E. W.			City, Village, or Town Wausau			
Local Grid Origin (estimated:) or Well Location			Present Well Owner City of Wausau	Original Owner City of Wausau		
Lat 44 ° 56 ' 57.11 " Long 89 ° 37 ' 57.27 " or S C N			Street Address or Route of Owner 407 Grant St			
State Plane ft. N. ft. E.			City, State, Zip Code Wausau, WI 54403			
Reason For Abandonment No longer in use			Unique Well No.			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date 8/19/2025			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable			
☒ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole			Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable			
If a Well Construction Report is available, please attach.			Screen Removed? ☒ Yes ☐ No ☐ Not Applicable			
Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)			Casing Left in Place? ☐ Yes ☒ No			
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock			Was Casing Cut Off Below Surface? ☐ Yes ☒ No			
Total Well Depth (ft) 25.0 Casing Diameter (in.) 1.00 (From ground surface) Casing Depth (ft.) 25.0			Did Sealing Material Rise to Surface? ☒ Yes ☐ No			
Lower Drillhole Diameter (in.) 2.3			Did Material Settle After 24 Hours? ☐ Yes ☒ No			
Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown			If Yes, Was Hole Retopped? ☐ Yes ☐ No			
If Yes, To What Depth? Feet			Required Method of Placing Sealing Material			
Depth to Water (Feet)			☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped ☒ Screened & Poured ☐ Other (Explain) (Bentonite Chips)			
(5) Sealing Material Used			From (Ft.)	To (Ft.)	Sacks	Mix Ratio or Mud Weight
Bentonite Chips 3/8"			Surface	25.0	0.25	
(6) Comments						
(7) Name of Person or Firm Doing Sealing Work Ramboll			Date of Abandonment 8/28/25			
Signature of Person Doing Work			Date Signed 11/25/25			
Street or Route 234 Florida Street, Fifth Floor,			Telephone Number (414) 837-3607			
City, State, Zip Code Milwaukee, WI 53204						

Comments



WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION	
Unique Well No.	Well ID No.	County Marathon	Facility Name Thomas Street Corridor Parcels: 110-249 E Thomas St	
Common Well Name TW-5 Gov't Lot (if applicable)			Facility ID 737246620	License/Permit/Monitoring No.
1/4 of 1/4 of Sec. ; T. R.			Street Address of Well 110-249 E Thomas St	
Grid Location ft. N. S., ft. E. W.			City, Village, or Town Wausau	
Local Grid Origin (estimated:) or Well Location			Present Well Owner City of Wausau	Original Owner City of Wausau
Lat 44 ° 56 ' 56.49 " Long 89 ° 37 ' 54.15 " or S C N			Street Address or Route of Owner 407 Grant St	
State Plane ft. N. ft. E.			City, State, Zip Code Wausau, WI 54403	
Reason For Abandonment No longer in use			Unique Well No.	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 8/19/2025			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole			Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
If a Well Construction Report is available, please attach.			Screen Removed? ☒ Yes ☐ No ☐ Not Applicable	
Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)			Casing Left in Place? ☐ Yes ☒ No	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock			Was Casing Cut Off Below Surface? ☐ Yes ☒ No	
Total Well Depth (ft) 20.0 Casing Diameter (in.) 1.00 (From ground surface) Casing Depth (ft.) 20.0			Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
Lower Drillhole Diameter (in.) 2.3			Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown			If Yes, Was Hole Retopped? ☐ Yes ☐ No	
If Yes, To What Depth? Feet			Required Method of Placing Sealing Material	
Depth to Water (Feet)			☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped ☒ Screened & Poured ☐ Other (Explain) (Bentonite Chips)	
Sealing Material Used			Sealing Materials	
(5)			☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite	
Bentonite Chips 3/8"			From (Ft.) Surface	To (Ft.) 20.0
			Sacks 0.25	Mix Ratio or Mud Weight
(6) Comments				
(7) Name of Person or Firm Doing Sealing Work Ramboll			Date of Abandonment 8/28/25	
Signature of Person Doing Work			Date Signed 11/25/25	
Street or Route 234 Florida Street, Fifth Floor,			Telephone Number (414) 837-3607	
City, State, Zip Code Milwaukee, WI 53204				



WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION			
Unique Well No.	Well ID No.	County Marathon	Facility Name Thomas Street Corridor Parcels: 110-249 E Thomas St			
Common Well Name TW-6 Gov't Lot (if applicable)			Facility ID 737246620	License/Permit/Monitoring No.		
1/4 of 1/4 of Sec. ; T. R. Grid Location ft. ☐ N. ☐ S., ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat 44° 56' 56.33" Long 89° 37' 50.34" or S C N State Plane ft. N. ft. E.			Street Address of Well 110-249 E Thomas St City, Village, or Town Wausau Present Well Owner City of Wausau Original Owner City of Wausau Street Address or Route of Owner 407 Grant St City, State, Zip Code Wausau, WI 54403			
Reason For Abandonment No longer in use Unique Well No.						
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date 8/19/2025 ☒ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft) 15.0 Casing Diameter (in.) 1.00 (From ground surface) Casing Depth (ft.) 15.0 Lower Drillhole Diameter (in.) 2.3 Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? Feet Depth to Water (Feet)			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☒ Yes ☐ No ☐ Not Applicable Casing Left in Place? ☐ Yes ☒ No Was Casing Cut Off Below Surface? ☐ Yes ☒ No Did Sealing Material Rise to Surface? ☒ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☒ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped ☒ Screened & Poured ☐ Other (Explain) (Bentonite Chips) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite			
(5) Sealing Material Used			From (Ft.)	To (Ft.)	Sacks	Mix Ratio or Mud Weight
Bentonite Chips 3/8"			Surface	15.0	0.25	
(6) Comments						
(7) Name of Person or Firm Doing Sealing Work Ramboll			Date of Abandonment 8/28/25			
Signature of Person Doing Work			Date Signed 11/25/25			
Street or Route 234 Florida Street, Fifth Floor,			Telephone Number (414) 837-3607			
City, State, Zip Code Milwaukee, WI 53204						

Comments



WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION			
Unique Well No.	Well ID No.	County Marathon	Facility Name Thomas Street Corridor Parcels: 110-249 E Thomas St			
Common Well Name TW-7 Gov't Lot (if applicable)			Facility ID 737246620	License/Permit/Monitoring No.		
1/4 of 1/4 of Sec. ; T. R.			Street Address of Well 110-249 E Thomas St			
Grid Location ft. N. S. ft. E. W.			City, Village, or Town Wausau			
Local Grid Origin (estimated:) or Well Location			Present Well Owner City of Wausau	Original Owner City of Wausau		
Lat 44 ° 56 ' 54.91 " Long 89 ° 37 ' 48.00 " or S C N			Street Address or Route of Owner 407 Grant St			
State Plane ft. N. ft. E.			City, State, Zip Code Wausau, WI 54403			
Reason For Abandonment No longer in use			Unique Well No.			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date 8/19/2025			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable			
☒ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole			Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable			
If a Well Construction Report is available, please attach.			Screen Removed? ☒ Yes ☐ No ☐ Not Applicable			
Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)			Casing Left in Place? ☐ Yes ☒ No			
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock			Was Casing Cut Off Below Surface? ☐ Yes ☒ No			
Total Well Depth (ft) 15.0 Casing Diameter (in.) 1.00 (From ground surface) Casing Depth (ft.) 15.0			Did Sealing Material Rise to Surface? ☒ Yes ☐ No			
Lower Drillhole Diameter (in.) 2.3			Did Material Settle After 24 Hours? ☐ Yes ☒ No			
Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown			If Yes, Was Hole Retopped? ☐ Yes ☐ No			
If Yes, To What Depth? Feet			Required Method of Placing Sealing Material			
Depth to Water (Feet)			☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped ☒ Screened & Poured ☐ Other (Explain) (Bentonite Chips)			
(5) Sealing Material Used			From (Ft.)	To (Ft.)	Sacks	Mix Ratio or Mud Weight
Bentonite Chips 3/8"			Surface	15.0	0.25	
(6) Comments						
(7) Name of Person or Firm Doing Sealing Work Ramboll			Date of Abandonment 8/28/25			
Signature of Person Doing Work			Date Signed 11/25/25			
Street or Route 234 Florida Street, Fifth Floor,			Telephone Number (414) 837-3607			
City, State, Zip Code Milwaukee, WI 53204						

Comments



WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION			
Unique Well No.	Well ID No.	County Marathon	Facility Name Thomas Street Corridor Parcels: 110-249 E Thomas St			
Common Well Name TW-8 Gov't Lot (if applicable)			Facility ID 737246620	License/Permit/Monitoring No.		
1/4 of 1/4 of Sec. ; T. R. Grid Location ft. N. S., ft. E. W. Local Grid Origin (estimated:) or Well Location Lat 44° 56' 54.79" Long 89° 37' 47.04" or State Plane ft. N. ft. E.			Street Address of Well 110-249 E Thomas St City, Village, or Town Wausau Present Well Owner City of Wausau Original Owner City of Wausau Street Address or Route of Owner 407 Grant St City, State, Zip Code Wausau, WI 54403			
Reason For Abandonment No longer in use			Unique Well No.			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date 8/19/2025 ☒ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft) 15.0 Casing Diameter (in.) 1.00 (From ground surface) Casing Depth (ft.) 15.0 Lower Drillhole Diameter (in.) 2.3 Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? Feet Depth to Water (Feet)			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☒ Yes ☐ No ☐ Not Applicable Casing Left in Place? ☐ Yes ☒ No Was Casing Cut Off Below Surface? ☐ Yes ☒ No Did Sealing Material Rise to Surface? ☒ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☒ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped ☒ Screened & Poured ☐ Other (Explain) (Bentonite Chips) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite			
(5) Sealing Material Used			From (Ft.)	To (Ft.)	Sacks	Mix Ratio or Mud Weight
Bentonite Chips 3/8"			Surface	15.0	0.25	
(6) Comments						
(7) Name of Person or Firm Doing Sealing Work Ramboll			Date of Abandonment 8/28/25			
Signature of Person Doing Work			Date Signed 11/25/25			
Street or Route 234 Florida Street, Fifth Floor,			Telephone Number (414) 837-3607			
City, State, Zip Code Milwaukee, WI 53204						

ATTACHMENT B

LABORATORY ANALYTICAL REPORTS



November 03, 2025

Andrew Mott
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

Dear Andrew Mott:

Enclosed are the analytical results for sample(s) received by the laboratory on August 20, 2025. 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,

A handwritten signature in black ink, appearing to read "Brian Basten".

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Me'le'sa Greene, Ramboll US Consulting
Mitchell Levenhagen, Ramboll US Consulting, Inc.
Abby Reichling, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida DOH Certification # E87948

Illinois EPA Certification # 200050

ISO/IEC 17025 (A2LA) Certification # 6154.01

Kentucky UST DEP Certification # 123059

Louisiana DEQ Certification # 04168

Minnesota DOH Certification # 055-999-334

New York DOH Certification # 12064

North Dakota DEQ Certification # R-150

ISO/IEC 17025 (A2LA) Certification # 6154.01

South Carolina DES Certification # 83006001

Texas TCEQ Certification # T104704529

USDA APHIS Foreign Soil Permit # 525-24-3-36355

U.S. Fish & Wildlife Service Permit # 51774A

Virginia VELAP Certification # 460263

Wisconsin DATCP Certification # 444

Wisconsin DNR Certification # 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40300412001	TS-SS-SB-1(2-4)	Solid	08/19/25 08:50	08/20/25 16:20
40300412002	TS-SS-SB-1(6-8)	Solid	08/19/25 09:20	08/20/25 16:20
40300412003	TS-SS-SB-2(1-3)	Solid	08/19/25 10:30	08/20/25 16:20
40300412004	TS-SS-SB-2(3.5-5.5)	Solid	08/19/25 10:40	08/20/25 16:20
40300412005	TS-SS-SB-3(2-4)	Solid	08/19/25 11:35	08/20/25 16:20
40300412006	TS-SS-SB-3(8-10)	Solid	08/19/25 11:40	08/20/25 16:20
40300412007	TS-SS-SB-3(18-20)	Solid	08/19/25 11:45	08/20/25 16:20
40300412008	TS-SS-SB-4(2-3)	Solid	08/19/25 12:30	08/20/25 16:20
40300412009	TS-SS-SB-4(3-5)	Solid	08/19/25 12:35	08/20/25 16:20
40300412010	TS-SS-SB-5(2-4)	Solid	08/19/25 13:55	08/20/25 16:20
40300412011	TS-SS-SB-5(4.5-6.5)	Solid	08/19/25 14:10	08/20/25 16:20
40300412012	TS-SS-SB-6(2-4)	Solid	08/19/25 14:40	08/20/25 16:20
40300412013	TS-SS-SB-6(5-7)	Solid	08/19/25 14:50	08/20/25 16:20
40300412014	TS-SS-SB-7(2-4)	Solid	08/19/25 15:40	08/20/25 16:20
40300412015	TS-SS-SB-7(9-11)	Solid	08/19/25 16:00	08/20/25 16:20
40300412016	TS-SS-SB-8(1.5-3.5)	Solid	08/19/25 16:30	08/20/25 16:20
40300412017	TS-SS-SB-8(5-7)	Solid	08/19/25 16:40	08/20/25 16:20
40300412018	TS-SS-SB-4(16.5-18.5)	Solid	08/19/25 18:00	08/20/25 16:20
40300412019	MEOH BLANK	Solid	08/19/25 00:01	08/20/25 16:20
40300412020	DUP-1	Solid	08/19/25 14:20	08/20/25 16:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40300412001	TS-SS-SB-1(2-4)	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	YXH	1	PASI-G
40300412002	TS-SS-SB-1(6-8)	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	YXH	1	PASI-G
40300412003	TS-SS-SB-2(1-3)	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	YXH	1	PASI-G
40300412004	TS-SS-SB-2(3.5-5.5)	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	YXH	1	PASI-G
40300412005	TS-SS-SB-3(2-4)	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	YXH	1	PASI-G
40300412006	TS-SS-SB-3(8-10)	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	YXH	1	PASI-G
40300412007	TS-SS-SB-3(18-20)	EPA 6010D	SIS	7	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40300412008	TS-SS-SB-4(2-3)	EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	YXH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
40300412009	TS-SS-SB-4(3-5)	ASTM D2974	YXH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
40300412010	TS-SS-SB-5(2-4)	EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
40300412011	TS-SS-SB-5(4.5-6.5)	EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
40300412012	TS-SS-SB-6(2-4)	ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
40300412013	TS-SS-SB-6(5-7)	EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40300412014	TS-SS-SB-7(2-4)	EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40300412015	TS-SS-SB-7(9-11)	EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
40300412016	TS-SS-SB-8(1.5-3.5)	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
40300412017	TS-SS-SB-8(5-7)	EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40300412018	TS-SS-SB-4(16.5-18.5)	EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G
40300412019	MEOH BLANK	EPA 8260	ALD	64	PASI-G
40300412020	DUP-1	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270E	TPO	7	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974	CVH	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300412001	TS-SS-SB-1(2-4)					
EPA 6010D	Barium	64.2	mg/kg	0.56	09/19/25 19:00	
EPA 6010D	Chromium	13.7	mg/kg	1.1	09/19/25 19:00	
EPA 6010D	Lead	58.2	mg/kg	2.3	09/19/25 19:00	
EPA 7471	Mercury	0.027J	mg/kg	0.042	09/16/25 15:52	
EPA 8270E by SIM	Benzo(a)anthracene	7.4J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Benzo(a)pyrene	9.6J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Benzo(b)fluoranthene	15.3J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Benzo(g,h,i)perylene	11.3J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Benzo(k)fluoranthene	7.1J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Chrysene	11.2J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Fluoranthene	17.4J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	6.8J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Phenanthrene	3.6J	ug/kg	21.0	08/26/25 20:18	
EPA 8270E by SIM	Pyrene	12.8J	ug/kg	21.0	08/26/25 20:18	
ASTM D2974	Percent Moisture	20.3	%	0.10	08/21/25 11:57	
40300412002	TS-SS-SB-1(6-8)					
EPA 6010D	Barium	15.8	mg/kg	0.63	09/19/25 18:53	
EPA 6010D	Chromium	11.5	mg/kg	1.3	09/19/25 18:53	
EPA 6010D	Lead	0.90J	mg/kg	2.5	09/19/25 18:53	
ASTM D2974	Percent Moisture	21.5	%	0.10	08/21/25 11:57	
40300412003	TS-SS-SB-2(1-3)					
EPA 6010D	Arsenic	7.6	mg/kg	2.6	09/19/25 19:04	
EPA 6010D	Barium	121	mg/kg	0.52	09/19/25 19:04	
EPA 6010D	Cadmium	0.45J	mg/kg	0.52	09/19/25 19:04	
EPA 6010D	Chromium	18.2	mg/kg	1.0	09/19/25 19:04	
EPA 6010D	Lead	218	mg/kg	2.1	09/19/25 19:04	
EPA 7471	Mercury	0.070	mg/kg	0.035	09/16/25 15:57	
EPA 8270E by SIM	Acenaphthylene	21.9	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Anthracene	16.8J	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Benzo(a)anthracene	72.9	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Benzo(a)pyrene	101	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Benzo(b)fluoranthene	137	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Benzo(g,h,i)perylene	75.0	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Benzo(k)fluoranthene	55.0	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Chrysene	103	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Dibenz(a,h)anthracene	20.2	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Fluoranthene	184	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Fluorene	3.3J	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	59.1	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Naphthalene	3.7J	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Phenanthrene	54.6	ug/kg	19.8	08/26/25 20:34	
EPA 8270E by SIM	Pyrene	136	ug/kg	19.8	08/26/25 20:34	
ASTM D2974	Percent Moisture	15.4	%	0.10	08/21/25 11:57	
40300412004	TS-SS-SB-2(3.5-5.5)					
EPA 6010D	Barium	21.2	mg/kg	0.56	09/19/25 19:06	
EPA 6010D	Chromium	9.5	mg/kg	1.1	09/19/25 19:06	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300412004	TS-SS-SB-2(3.5-5.5)					
EPA 6010D	Lead	1.9J	mg/kg	2.2	09/19/25 19:06	
ASTM D2974	Percent Moisture	13.3	%	0.10	08/21/25 11:57	
40300412005	TS-SS-SB-3(2-4)					
EPA 6010D	Arsenic	7.0	mg/kg	3.4	09/19/25 19:12	
EPA 6010D	Barium	123	mg/kg	0.68	09/19/25 19:12	
EPA 6010D	Chromium	25.5	mg/kg	1.4	09/19/25 19:12	
EPA 6010D	Lead	57.0	mg/kg	2.7	09/19/25 19:12	
EPA 7471	Mercury	0.047	mg/kg	0.046	09/16/25 16:02	
EPA 8270E by SIM	Acenaphthylene	9.2J	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Anthracene	7.7J	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Benzo(a)anthracene	28.7	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Benzo(a)pyrene	43.8	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Benzo(b)fluoranthene	58.2	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Benzo(g,h,i)perylene	32.2	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Benzo(k)fluoranthene	23.1J	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Chrysene	41.8	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Dibenz(a,h)anthracene	5.9J	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Fluoranthene	72.2	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	25.2	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Naphthalene	2.8J	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Phenanthrene	22.2J	ug/kg	23.8	08/26/25 20:49	
EPA 8270E by SIM	Pyrene	55.5	ug/kg	23.8	08/26/25 20:49	
ASTM D2974	Percent Moisture	29.9	%	0.10	08/21/25 11:57	
40300412006	TS-SS-SB-3(8-10)					
EPA 6010D	Barium	15.5	mg/kg	0.46	09/19/25 19:13	
EPA 6010D	Chromium	7.5	mg/kg	0.93	09/19/25 19:13	
EPA 6010D	Lead	0.88J	mg/kg	1.9	09/19/25 19:13	
ASTM D2974	Percent Moisture	5.1	%	0.10	08/21/25 11:57	
40300412007	TS-SS-SB-3(18-20)					
EPA 6010D	Barium	45.2	mg/kg	1.1	09/23/25 12:53	
EPA 6010D	Chromium	25.0	mg/kg	2.1	09/23/25 12:53	
EPA 6010D	Lead	3.9J	mg/kg	4.2	09/23/25 12:53	D3
EPA 8270E	Pentachlorophenol	1470	ug/kg	739	08/27/25 19:57	D3
EPA 8270E by SIM	Acenaphthene	14.0J	ug/kg	92.5	08/27/25 15:29	
EPA 8270E by SIM	1-Methylnaphthalene	559	ug/kg	92.5	08/27/25 15:29	
EPA 8270E by SIM	2-Methylnaphthalene	890	ug/kg	92.5	08/27/25 15:29	
EPA 8270E by SIM	Naphthalene	1470	ug/kg	92.5	08/27/25 15:29	
EPA 8270E by SIM	Phenanthrene	38.5J	ug/kg	92.5	08/27/25 15:29	
EPA 8260	1,2,4-Trimethylbenzene	134000	ug/kg	1520	08/25/25 12:48	
EPA 8260	Ethylbenzene	395J	ug/kg	1520	08/25/25 12:48	
EPA 8260	Isopropylbenzene (Cumene)	3120	ug/kg	1520	08/25/25 12:48	
EPA 8260	Naphthalene	6620J	ug/kg	7600	08/25/25 12:48	
EPA 8260	n-Butylbenzene	21600	ug/kg	1520	08/25/25 12:48	
EPA 8260	n-Propylbenzene	9610	ug/kg	1520	08/25/25 12:48	
EPA 8260	o-Xylene	4710	ug/kg	1520	08/25/25 12:48	
EPA 8260	p-Isopropyltoluene	11300	ug/kg	1520	08/25/25 12:48	

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SUMMARY OF DETECTION

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300412007	TS-SS-SB-3(18-20)					
EPA 8260	sec-Butylbenzene	10900	ug/kg	1520	08/25/25 12:48	
EPA 8260	tert-Butylbenzene	2540	ug/kg	1520	08/25/25 12:48	
ASTM D2974	Percent Moisture	9.7	%	0.10	08/21/25 11:58	
40300412008	TS-SS-SB-4(2-3)					
EPA 6010D	Barium	30.1	mg/kg	0.54	09/19/25 19:17	
EPA 6010D	Chromium	14.1	mg/kg	1.1	09/19/25 19:17	
EPA 6010D	Lead	2.8	mg/kg	2.2	09/19/25 19:17	
ASTM D2974	Percent Moisture	18.7	%	0.10	08/21/25 11:58	
40300412009	TS-SS-SB-4(3-5)					
EPA 6010D	Barium	24.5	mg/kg	0.49	09/19/25 19:19	
EPA 6010D	Chromium	13.8	mg/kg	0.97	09/19/25 19:19	
EPA 6010D	Lead	1.9J	mg/kg	1.9	09/19/25 19:19	
ASTM D2974	Percent Moisture	4.1	%	0.10	08/22/25 10:58	
40300412010	TS-SS-SB-5(2-4)					
EPA 6010D	Barium	25.7	mg/kg	0.50	09/19/25 19:21	
EPA 6010D	Chromium	15.3	mg/kg	1.0	09/19/25 19:21	
EPA 6010D	Lead	1.7J	mg/kg	2.0	09/19/25 19:21	
ASTM D2974	Percent Moisture	7.6	%	0.10	08/22/25 10:58	
40300412011	TS-SS-SB-5(4.5-6.5)					
EPA 6010D	Barium	50.3	mg/kg	1.1	09/23/25 12:54	
EPA 6010D	Chromium	32.2	mg/kg	2.3	09/23/25 12:54	
EPA 6010D	Lead	1.8J	mg/kg	4.5	09/23/25 12:54	D3
ASTM D2974	Percent Moisture	13.7	%	0.10	08/22/25 10:58	
40300412012	TS-SS-SB-6(2-4)					
EPA 6010D	Arsenic	2.2J	mg/kg	2.7	09/19/25 19:25	
EPA 6010D	Barium	93.5	mg/kg	0.55	09/19/25 19:25	
EPA 6010D	Chromium	15.4	mg/kg	1.1	09/19/25 19:25	
EPA 6010D	Lead	22.1	mg/kg	2.2	09/19/25 19:25	
EPA 6010D	Selenium	1.8J	mg/kg	4.4	09/19/25 19:25	
EPA 7471	Mercury	0.031J	mg/kg	0.034	09/16/25 16:25	
EPA 8270E by SIM	Acenaphthylene	182	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Anthracene	111	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Benzo(a)anthracene	488	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Benzo(a)pyrene	667	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Benzo(b)fluoranthene	906	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Benzo(g,h,i)perylene	532	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Benzo(k)fluoranthene	343	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Chrysene	585	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Dibenz(a,h)anthracene	148	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Fluoranthene	855	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Fluorene	22.5J	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	417	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	1-Methylnaphthalene	15.2J	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	2-Methylnaphthalene	19.7J	ug/kg	93.5	08/26/25 21:04	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300412012	TS-SS-SB-6(2-4)					
EPA 8270E by SIM	Naphthalene	28.5J	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Phenanthrene	203	ug/kg	93.5	08/26/25 21:04	
EPA 8270E by SIM	Pyrene	715	ug/kg	93.5	08/26/25 21:04	
EPA 8260	Naphthalene	149J	ug/kg	310	08/23/25 04:23	
ASTM D2974	Percent Moisture	10.7	%	0.10	08/22/25 10:59	
40300412013	TS-SS-SB-6(5-7)					
EPA 6010D	Barium	35.4	mg/kg	0.57	09/19/25 19:27	
EPA 6010D	Chromium	15.9	mg/kg	1.1	09/19/25 19:27	
EPA 6010D	Lead	1.8J	mg/kg	2.3	09/19/25 19:27	
EPA 6010D	Silver	0.52J	mg/kg	1.1	09/19/25 19:27	
EPA 8270E by SIM	Benzo(a)anthracene	3.4J	ug/kg	19.4	08/26/25 19:32	
EPA 8270E by SIM	Benzo(a)pyrene	2.7J	ug/kg	19.4	08/26/25 19:32	
EPA 8270E by SIM	Benzo(b)fluoranthene	4.7J	ug/kg	19.4	08/26/25 19:32	
EPA 8270E by SIM	Chrysene	4.1J	ug/kg	19.4	08/26/25 19:32	
EPA 8270E by SIM	Fluoranthene	6.9J	ug/kg	19.4	08/26/25 19:32	
EPA 8270E by SIM	Pyrene	5.1J	ug/kg	19.4	08/26/25 19:32	
ASTM D2974	Percent Moisture	13.9	%	0.10	08/22/25 10:59	
40300412014	TS-SS-SB-7(2-4)					
EPA 6010D	Barium	49.0	mg/kg	0.54	09/19/25 19:28	
EPA 6010D	Chromium	11.9	mg/kg	1.1	09/19/25 19:28	
EPA 6010D	Lead	3.0	mg/kg	2.2	09/19/25 19:28	
EPA 8270E by SIM	Benzo(a)anthracene	7.5J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Benzo(a)pyrene	8.6J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Benzo(b)fluoranthene	13.6J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Benzo(g,h,i)perylene	8.7J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Benzo(k)fluoranthene	6.5J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Chrysene	10.0J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Fluoranthene	15.8J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	6.3J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Phenanthrene	2.3J	ug/kg	18.5	08/26/25 19:48	
EPA 8270E by SIM	Pyrene	11.7J	ug/kg	18.5	08/26/25 19:48	
ASTM D2974	Percent Moisture	9.5	%	0.10	08/22/25 10:59	
40300412015	TS-SS-SB-7(9-11)					
EPA 6010D	Barium	19.6	mg/kg	0.55	09/19/25 19:34	
EPA 6010D	Chromium	11.3	mg/kg	1.1	09/19/25 19:34	
EPA 6010D	Lead	1.5J	mg/kg	2.2	09/19/25 19:34	
EPA 8270E by SIM	Acenaphthylene	10.8J	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Benzo(a)anthracene	25.8	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Benzo(a)pyrene	35.1	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Benzo(b)fluoranthene	48.1	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Benzo(g,h,i)perylene	27.2	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Benzo(k)fluoranthene	20.3	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Chrysene	37.7	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Dibenz(a,h)anthracene	5.2J	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Fluoranthene	51.5	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	21.5	ug/kg	18.6	08/26/25 20:03	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300412015	TS-SS-SB-7(9-11)					
EPA 8270E by SIM	Phenanthrene	10.8J	ug/kg	18.6	08/26/25 20:03	
EPA 8270E by SIM	Pyrene	43.7	ug/kg	18.6	08/26/25 20:03	
ASTM D2974	Percent Moisture	10.3	%	0.10	08/22/25 10:59	
40300412016	TS-SS-SB-8(1.5-3.5)					
EPA 6010D	Barium	81.7	mg/kg	0.53	09/19/25 19:36	
EPA 6010D	Cadmium	0.99	mg/kg	0.53	09/19/25 19:36	
EPA 6010D	Chromium	11.2	mg/kg	1.1	09/19/25 19:36	
EPA 6010D	Lead	7.5	mg/kg	2.1	09/19/25 19:36	
EPA 6010D	Selenium	1.4J	mg/kg	4.3	09/19/25 19:36	
EPA 7471	Mercury	0.023J	mg/kg	0.035	09/16/25 16:40	
EPA 8270E by SIM	Benzo(a)anthracene	3.4J	ug/kg	19.3	08/26/25 21:20	
EPA 8270E by SIM	Benzo(a)pyrene	3.2J	ug/kg	19.3	08/26/25 21:20	
EPA 8270E by SIM	Benzo(b)fluoranthene	5.7J	ug/kg	19.3	08/26/25 21:20	
EPA 8270E by SIM	Chrysene	3.9J	ug/kg	19.3	08/26/25 21:20	
EPA 8270E by SIM	Fluoranthene	5.5J	ug/kg	19.3	08/26/25 21:20	
EPA 8270E by SIM	Phenanthrene	2.3J	ug/kg	19.3	08/26/25 21:20	
EPA 8270E by SIM	Pyrene	4.3J	ug/kg	19.3	08/26/25 21:20	
ASTM D2974	Percent Moisture	13.3	%	0.10	08/22/25 10:59	
40300412017	TS-SS-SB-8(5-7)					
EPA 6010D	Barium	132	mg/kg	0.98	09/23/25 12:56	
EPA 6010D	Chromium	10.4	mg/kg	2.0	09/23/25 12:56	
EPA 6010D	Selenium	3.4J	mg/kg	7.9	09/23/25 12:56	D3
EPA 8270E by SIM	Acenaphthylene	2.5J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Benzo(a)anthracene	4.3J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Benzo(a)pyrene	5.1J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Benzo(b)fluoranthene	8.2J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Benzo(g,h,i)perylene	5.5J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Benzo(k)fluoranthene	3.7J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Chrysene	6.3J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Fluoranthene	7.8J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	3.6J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Phenanthrene	2.7J	ug/kg	17.3	08/27/25 15:44	
EPA 8270E by SIM	Pyrene	6.8J	ug/kg	17.3	08/27/25 15:44	
ASTM D2974	Percent Moisture	3.7	%	0.10	08/22/25 10:59	
40300412018	TS-SS-SB-4(16.5-18.5)					
EPA 6010D	Barium	43.3	mg/kg	0.51	09/19/25 19:40	
EPA 6010D	Chromium	13.1	mg/kg	1.0	09/19/25 19:40	
EPA 6010D	Lead	2.2	mg/kg	2.0	09/19/25 19:40	
EPA 6010D	Silver	0.52J	mg/kg	1.0	09/19/25 19:40	
EPA 8270E	Pentachlorophenol	1450	ug/kg	763	08/27/25 20:19	D3
EPA 8270E by SIM	Acenaphthene	8.8J	ug/kg	19.0	08/28/25 12:35	
EPA 8270E by SIM	Acenaphthylene	5.1J	ug/kg	19.0	08/28/25 12:35	
EPA 8270E by SIM	Fluorene	6.9J	ug/kg	19.0	08/28/25 12:35	
EPA 8270E by SIM	1-Methylnaphthalene	376	ug/kg	19.0	08/28/25 12:35	
EPA 8270E by SIM	2-Methylnaphthalene	568	ug/kg	19.0	08/28/25 12:35	
EPA 8270E by SIM	Naphthalene	530	ug/kg	19.0	08/28/25 12:35	

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SUMMARY OF DETECTION

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300412018	TS-SS-SB-4(16.5-18.5)					
EPA 8270E by SIM	Phenanthrene	25.7	ug/kg	19.0	08/28/25 12:35	
EPA 8260	1,2,4-Trimethylbenzene	112000	ug/kg	3200	08/23/25 06:05	
EPA 8260	1,3,5-Trimethylbenzene	40700	ug/kg	3200	08/23/25 06:05	
EPA 8260	Isopropylbenzene (Cumene)	2040J	ug/kg	3200	08/23/25 06:05	
EPA 8260	Naphthalene	2670J	ug/kg	16000	08/23/25 06:05	
EPA 8260	n-Butylbenzene	16400	ug/kg	3200	08/23/25 06:05	
EPA 8260	n-Propylbenzene	7270	ug/kg	3200	08/23/25 06:05	
EPA 8260	p-Isopropyltoluene	12300	ug/kg	3200	08/23/25 06:05	
EPA 8260	sec-Butylbenzene	9190	ug/kg	3200	08/23/25 06:05	
EPA 8260	tert-Butylbenzene	2220J	ug/kg	3200	08/23/25 06:05	
ASTM D2974	Percent Moisture	12.3	%	0.10	08/22/25 10:59	
40300412020	DUP-1					
EPA 6010D	Barium	41.1	mg/kg	0.51	09/19/25 19:42	
EPA 6010D	Chromium	15.6	mg/kg	1.0	09/19/25 19:42	
EPA 6010D	Lead	2.1	mg/kg	2.0	09/19/25 19:42	
EPA 6010D	Silver	0.54J	mg/kg	1.0	09/19/25 19:42	
ASTM D2974	Percent Moisture	7.2	%	0.10	08/22/25 10:59	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-1(2-4) Lab ID: 40300412001 Collected: 08/19/25 08:50 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:00	7440-38-2	
Barium	64.2	mg/kg	0.56	0.17	1	09/19/25 09:30	09/19/25 19:00	7440-39-3	
Cadmium	<0.15	mg/kg	0.56	0.15	1	09/19/25 09:30	09/19/25 19:00	7440-43-9	
Chromium	13.7	mg/kg	1.1	0.31	1	09/19/25 09:30	09/19/25 19:00	7440-47-3	
Lead	58.2	mg/kg	2.3	0.68	1	09/19/25 09:30	09/19/25 19:00	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	09/19/25 09:30	09/19/25 19:00	7782-49-2	
Silver	<0.35	mg/kg	1.1	0.35	1	09/19/25 09:30	09/19/25 19:00	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.027J	mg/kg	0.042	0.025	1	09/16/25 09:18	09/16/25 15:52	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<258	ug/kg	523	258	2.5	08/26/25 13:41	08/27/25 21:01	87-86-5	D3
Surrogates									
Nitrobenzene-d5 (S)	53	%	40-130		2.5	08/26/25 13:41	08/27/25 21:01	4165-60-0	
2-Fluorobiphenyl (S)	45	%	37-130		2.5	08/26/25 13:41	08/27/25 21:01	321-60-8	
Terphenyl-d14 (S)	53	%	46-132		2.5	08/26/25 13:41	08/27/25 21:01	1718-51-0	
Phenol-d6 (S)	49	%	34-130		2.5	08/26/25 13:41	08/27/25 21:01	13127-88-3	
2-Fluorophenol (S)	49	%	28-130		2.5	08/26/25 13:41	08/27/25 21:01	367-12-4	
2,4,6-Tribromophenol (S)	45	%	29-156		2.5	08/26/25 13:41	08/27/25 21:01	118-79-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.7	ug/kg	21.0	2.7	1	08/26/25 08:00	08/26/25 20:18	83-32-9	
Acenaphthylene	<2.6	ug/kg	21.0	2.6	1	08/26/25 08:00	08/26/25 20:18	208-96-8	
Anthracene	<2.6	ug/kg	21.0	2.6	1	08/26/25 08:00	08/26/25 20:18	120-12-7	
Benzo(a)anthracene	7.4J	ug/kg	21.0	2.7	1	08/26/25 08:00	08/26/25 20:18	56-55-3	
Benzo(a)pyrene	9.6J	ug/kg	21.0	2.4	1	08/26/25 08:00	08/26/25 20:18	50-32-8	
Benzo(b)fluoranthene	15.3J	ug/kg	21.0	2.9	1	08/26/25 08:00	08/26/25 20:18	205-99-2	
Benzo(g,h,i)perylene	11.3J	ug/kg	21.0	3.7	1	08/26/25 08:00	08/26/25 20:18	191-24-2	
Benzo(k)fluoranthene	7.1J	ug/kg	21.0	2.7	1	08/26/25 08:00	08/26/25 20:18	207-08-9	
Chrysene	11.2J	ug/kg	21.0	4.0	1	08/26/25 08:00	08/26/25 20:18	218-01-9	
Dibenz(a,h)anthracene	<2.9	ug/kg	21.0	2.9	1	08/26/25 08:00	08/26/25 20:18	53-70-3	
Fluoranthene	17.4J	ug/kg	21.0	2.5	1	08/26/25 08:00	08/26/25 20:18	206-44-0	
Fluorene	<2.5	ug/kg	21.0	2.5	1	08/26/25 08:00	08/26/25 20:18	86-73-7	
Indeno(1,2,3-cd)pyrene	6.8J	ug/kg	21.0	4.4	1	08/26/25 08:00	08/26/25 20:18	193-39-5	
1-Methylnaphthalene	<3.1	ug/kg	21.0	3.1	1	08/26/25 08:00	08/26/25 20:18	90-12-0	
2-Methylnaphthalene	<3.1	ug/kg	21.0	3.1	1	08/26/25 08:00	08/26/25 20:18	91-57-6	
Naphthalene	<2.0	ug/kg	21.0	2.0	1	08/26/25 08:00	08/26/25 20:18	91-20-3	
Phenanthrene	3.6J	ug/kg	21.0	2.4	1	08/26/25 08:00	08/26/25 20:18	85-01-8	
Pyrene	12.8J	ug/kg	21.0	3.1	1	08/26/25 08:00	08/26/25 20:18	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-1(2-4) Lab ID: 40300412001 Collected: 08/19/25 08:50 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	45	%	36-120		1	08/26/25 08:00	08/26/25 20:18	321-60-8	
Terphenyl-d14 (S)	45	%	36-120		1	08/26/25 08:00	08/26/25 20:18	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<18.1	ug/kg	75.4	18.1	1	08/21/25 13:37	08/23/25 05:27	630-20-6	
1,1,1-Trichloroethane	<19.3	ug/kg	75.4	19.3	1	08/21/25 13:37	08/23/25 05:27	71-55-6	
1,1,2,2-Tetrachloroethane	<27.3	ug/kg	75.4	27.3	1	08/21/25 13:37	08/23/25 05:27	79-34-5	
1,1,2-Trichloroethane	<27.5	ug/kg	75.4	27.5	1	08/21/25 13:37	08/23/25 05:27	79-00-5	
1,1-Dichloroethane	<19.3	ug/kg	75.4	19.3	1	08/21/25 13:37	08/23/25 05:27	75-34-3	
1,1-Dichloroethene	<25.0	ug/kg	75.4	25.0	1	08/21/25 13:37	08/23/25 05:27	75-35-4	
1,1-Dichloropropene	<24.4	ug/kg	75.4	24.4	1	08/21/25 13:37	08/23/25 05:27	563-58-6	
1,2,3-Trichlorobenzene	<84.0	ug/kg	377	84.0	1	08/21/25 13:37	08/23/25 05:27	87-61-6	
1,2,3-Trichloropropane	<36.7	ug/kg	75.4	36.7	1	08/21/25 13:37	08/23/25 05:27	96-18-4	
1,2,4-Trichlorobenzene	<62.1	ug/kg	377	62.1	1	08/21/25 13:37	08/23/25 05:27	120-82-1	
1,2,4-Trimethylbenzene	<22.5	ug/kg	75.4	22.5	1	08/21/25 13:37	08/23/25 05:27	95-63-6	
1,2-Dibromo-3-chloropropane	<58.5	ug/kg	377	58.5	1	08/21/25 13:37	08/23/25 05:27	96-12-8	
1,2-Dibromoethane (EDB)	<20.7	ug/kg	75.4	20.7	1	08/21/25 13:37	08/23/25 05:27	106-93-4	
1,2-Dichlorobenzene	<26.4	ug/kg	75.4	26.4	1	08/21/25 13:37	08/23/25 05:27	95-50-1	
1,2-Dichloroethane	<17.3	ug/kg	75.4	17.3	1	08/21/25 13:37	08/23/25 05:27	107-06-2	
1,2-Dichloropropane	<17.9	ug/kg	75.4	17.9	1	08/21/25 13:37	08/23/25 05:27	78-87-5	
1,3,5-Trimethylbenzene	<24.3	ug/kg	75.4	24.3	1	08/21/25 13:37	08/23/25 05:27	108-67-8	
1,3-Dichlorobenzene	<22.2	ug/kg	75.4	22.2	1	08/21/25 13:37	08/23/25 05:27	541-73-1	
1,3-Dichloropropane	<16.4	ug/kg	75.4	16.4	1	08/21/25 13:37	08/23/25 05:27	142-28-9	
1,4-Dichlorobenzene	<23.2	ug/kg	75.4	23.2	1	08/21/25 13:37	08/23/25 05:27	106-46-7	
2,2-Dichloropropane	<20.4	ug/kg	75.4	20.4	1	08/21/25 13:37	08/23/25 05:27	594-20-7	
2-Chlorotoluene	<24.4	ug/kg	75.4	24.4	1	08/21/25 13:37	08/23/25 05:27	95-49-8	
4-Chlorotoluene	<28.7	ug/kg	75.4	28.7	1	08/21/25 13:37	08/23/25 05:27	106-43-4	
Benzene	<17.9	ug/kg	30.2	17.9	1	08/21/25 13:37	08/23/25 05:27	71-43-2	
Bromobenzene	<29.4	ug/kg	75.4	29.4	1	08/21/25 13:37	08/23/25 05:27	108-86-1	
Bromochloromethane	<20.7	ug/kg	75.4	20.7	1	08/21/25 13:37	08/23/25 05:27	74-97-5	
Bromodichloromethane	<17.9	ug/kg	75.4	17.9	1	08/21/25 13:37	08/23/25 05:27	75-27-4	
Bromoform	<332	ug/kg	377	332	1	08/21/25 13:37	08/23/25 05:27	75-25-2	
Bromomethane	<106	ug/kg	377	106	1	08/21/25 13:37	08/23/25 05:27	74-83-9	v1
Carbon tetrachloride	<16.6	ug/kg	75.4	16.6	1	08/21/25 13:37	08/23/25 05:27	56-23-5	
Chlorobenzene	<9.0	ug/kg	75.4	9.0	1	08/21/25 13:37	08/23/25 05:27	108-90-7	
Chloroethane	<31.8	ug/kg	377	31.8	1	08/21/25 13:37	08/23/25 05:27	75-00-3	
Chloroform	<54.0	ug/kg	377	54.0	1	08/21/25 13:37	08/23/25 05:27	67-66-3	
Chloromethane	<28.7	ug/kg	75.4	28.7	1	08/21/25 13:37	08/23/25 05:27	74-87-3	
Dibromochloromethane	<258	ug/kg	377	258	1	08/21/25 13:37	08/23/25 05:27	124-48-1	
Dibromomethane	<22.3	ug/kg	75.4	22.3	1	08/21/25 13:37	08/23/25 05:27	74-95-3	
Dichlorodifluoromethane	<32.4	ug/kg	75.4	32.4	1	08/21/25 13:37	08/23/25 05:27	75-71-8	
Diisopropyl ether	<18.7	ug/kg	75.4	18.7	1	08/21/25 13:37	08/23/25 05:27	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-1(2-4) Lab ID: 40300412001 Collected: 08/19/25 08:50 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<17.9	ug/kg	75.4	17.9	1	08/21/25 13:37	08/23/25 05:27	100-41-4	v2
Hexachloro-1,3-butadiene	<150	ug/kg	377	150	1	08/21/25 13:37	08/23/25 05:27	87-68-3	
Isopropylbenzene (Cumene)	<25.8	ug/kg	75.4	25.8	1	08/21/25 13:37	08/23/25 05:27	98-82-8	
Methyl-tert-butyl ether	<22.2	ug/kg	75.4	22.2	1	08/21/25 13:37	08/23/25 05:27	1634-04-4	
Methylene Chloride	<21.0	ug/kg	75.4	21.0	1	08/21/25 13:37	08/23/25 05:27	75-09-2	
Naphthalene	<31.7	ug/kg	377	31.7	1	08/21/25 13:37	08/23/25 05:27	91-20-3	
Styrene	<19.3	ug/kg	75.4	19.3	1	08/21/25 13:37	08/23/25 05:27	100-42-5	
Tetrachloroethene	<29.3	ug/kg	75.4	29.3	1	08/21/25 13:37	08/23/25 05:27	127-18-4	
Toluene	<23.9	ug/kg	75.4	23.9	1	08/21/25 13:37	08/23/25 05:27	108-88-3	
Trichloroethene	<28.2	ug/kg	75.4	28.2	1	08/21/25 13:37	08/23/25 05:27	79-01-6	
Trichlorofluoromethane	<21.9	ug/kg	75.4	21.9	1	08/21/25 13:37	08/23/25 05:27	75-69-4	
Vinyl chloride	<15.2	ug/kg	75.4	15.2	1	08/21/25 13:37	08/23/25 05:27	75-01-4	
cis-1,2-Dichloroethene	<16.1	ug/kg	75.4	16.1	1	08/21/25 13:37	08/23/25 05:27	156-59-2	
cis-1,3-Dichloropropene	<49.8	ug/kg	377	49.8	1	08/21/25 13:37	08/23/25 05:27	10061-01-5	
m&p-Xylene	<43.4	ug/kg	151	43.4	1	08/21/25 13:37	08/23/25 05:27	179601-23-1	
n-Butylbenzene	<42.3	ug/kg	75.4	42.3	1	08/21/25 13:37	08/23/25 05:27	104-51-8	
n-Propylbenzene	<24.6	ug/kg	75.4	24.6	1	08/21/25 13:37	08/23/25 05:27	103-65-1	
o-Xylene	<24.5	ug/kg	75.4	24.5	1	08/21/25 13:37	08/23/25 05:27	95-47-6	
p-Isopropyltoluene	<25.6	ug/kg	75.4	25.6	1	08/21/25 13:37	08/23/25 05:27	99-87-6	
sec-Butylbenzene	<31.0	ug/kg	75.4	31.0	1	08/21/25 13:37	08/23/25 05:27	135-98-8	
tert-Butylbenzene	<23.7	ug/kg	75.4	23.7	1	08/21/25 13:37	08/23/25 05:27	98-06-6	
trans-1,2-Dichloroethene	<16.5	ug/kg	75.4	16.5	1	08/21/25 13:37	08/23/25 05:27	156-60-5	
trans-1,3-Dichloropropene	<216	ug/kg	377	216	1	08/21/25 13:37	08/23/25 05:27	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	111	%	56-189		1	08/21/25 13:37	08/23/25 05:27	2199-69-1	
4-Bromofluorobenzene (S)	113	%	58-188		1	08/21/25 13:37	08/23/25 05:27	460-00-4	
Toluene-d8 (S)	128	%	70-172		1	08/21/25 13:37	08/23/25 05:27	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	20.3	%	0.10	0.10	1	08/21/25 11:57

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-1(6-8) Lab ID: 40300412002 Collected: 08/19/25 09:20 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<1.9	mg/kg	3.2	1.9	1	09/19/25 09:30	09/19/25 18:53	7440-38-2	
Barium	15.8	mg/kg	0.63	0.19	1	09/19/25 09:30	09/19/25 18:53	7440-39-3	
Cadmium	<0.17	mg/kg	0.63	0.17	1	09/19/25 09:30	09/19/25 18:53	7440-43-9	
Chromium	11.5	mg/kg	1.3	0.35	1	09/19/25 09:30	09/19/25 18:53	7440-47-3	
Lead	0.90J	mg/kg	2.5	0.76	1	09/19/25 09:30	09/19/25 18:53	7439-92-1	
Selenium	<1.7	mg/kg	5.1	1.7	1	09/19/25 09:30	09/19/25 18:53	7782-49-2	
Silver	<0.39	mg/kg	1.3	0.39	1	09/19/25 09:30	09/19/25 18:53	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.024	mg/kg	0.041	0.024	1	09/16/25 09:18	09/16/25 15:54	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<105	ug/kg	213	105	1	08/26/25 13:41	08/27/25 15:41	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	70	%	40-130		1	08/26/25 13:41	08/27/25 15:41	4165-60-0	
2-Fluorobiphenyl (S)	70	%	37-130		1	08/26/25 13:41	08/27/25 15:41	321-60-8	
Terphenyl-d14 (S)	74	%	46-132		1	08/26/25 13:41	08/27/25 15:41	1718-51-0	
Phenol-d6 (S)	70	%	34-130		1	08/26/25 13:41	08/27/25 15:41	13127-88-3	
2-Fluorophenol (S)	67	%	28-130		1	08/26/25 13:41	08/27/25 15:41	367-12-4	
2,4,6-Tribromophenol (S)	72	%	29-156		1	08/26/25 13:41	08/27/25 15:41	118-79-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.8	ug/kg	21.3	2.8	1	08/26/25 08:00	08/26/25 12:54	83-32-9	
Acenaphthylene	<2.7	ug/kg	21.3	2.7	1	08/26/25 08:00	08/26/25 12:54	208-96-8	
Anthracene	<2.6	ug/kg	21.3	2.6	1	08/26/25 08:00	08/26/25 12:54	120-12-7	
Benzo(a)anthracene	<2.7	ug/kg	21.3	2.7	1	08/26/25 08:00	08/26/25 12:54	56-55-3	
Benzo(a)pyrene	<2.4	ug/kg	21.3	2.4	1	08/26/25 08:00	08/26/25 12:54	50-32-8	
Benzo(b)fluoranthene	<3.0	ug/kg	21.3	3.0	1	08/26/25 08:00	08/26/25 12:54	205-99-2	
Benzo(g,h,i)perylene	<3.7	ug/kg	21.3	3.7	1	08/26/25 08:00	08/26/25 12:54	191-24-2	
Benzo(k)fluoranthene	<2.7	ug/kg	21.3	2.7	1	08/26/25 08:00	08/26/25 12:54	207-08-9	
Chrysene	<4.0	ug/kg	21.3	4.0	1	08/26/25 08:00	08/26/25 12:54	218-01-9	
Dibenz(a,h)anthracene	<2.9	ug/kg	21.3	2.9	1	08/26/25 08:00	08/26/25 12:54	53-70-3	
Fluoranthene	<2.5	ug/kg	21.3	2.5	1	08/26/25 08:00	08/26/25 12:54	206-44-0	
Fluorene	<2.6	ug/kg	21.3	2.6	1	08/26/25 08:00	08/26/25 12:54	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.4	ug/kg	21.3	4.4	1	08/26/25 08:00	08/26/25 12:54	193-39-5	
1-Methylnaphthalene	<3.1	ug/kg	21.3	3.1	1	08/26/25 08:00	08/26/25 12:54	90-12-0	
2-Methylnaphthalene	<3.1	ug/kg	21.3	3.1	1	08/26/25 08:00	08/26/25 12:54	91-57-6	
Naphthalene	<2.1	ug/kg	21.3	2.1	1	08/26/25 08:00	08/26/25 12:54	91-20-3	
Phenanthrene	<2.4	ug/kg	21.3	2.4	1	08/26/25 08:00	08/26/25 12:54	85-01-8	
Pyrene	<3.1	ug/kg	21.3	3.1	1	08/26/25 08:00	08/26/25 12:54	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-1(6-8) Lab ID: 40300412002 Collected: 08/19/25 09:20 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	67	%	36-120		1	08/26/25 08:00	08/26/25 12:54	321-60-8	
Terphenyl-d14 (S)	77	%	36-120		1	08/26/25 08:00	08/26/25 12:54	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<18.6	ug/kg	77.5	18.6	1	08/21/25 13:37	08/23/25 05:46	630-20-6	
1,1,1-Trichloroethane	<19.8	ug/kg	77.5	19.8	1	08/21/25 13:37	08/23/25 05:46	71-55-6	
1,1,2,2-Tetrachloroethane	<28.0	ug/kg	77.5	28.0	1	08/21/25 13:37	08/23/25 05:46	79-34-5	
1,1,2-Trichloroethane	<28.2	ug/kg	77.5	28.2	1	08/21/25 13:37	08/23/25 05:46	79-00-5	
1,1-Dichloroethane	<19.8	ug/kg	77.5	19.8	1	08/21/25 13:37	08/23/25 05:46	75-34-3	
1,1-Dichloroethene	<25.7	ug/kg	77.5	25.7	1	08/21/25 13:37	08/23/25 05:46	75-35-4	
1,1-Dichloropropene	<25.1	ug/kg	77.5	25.1	1	08/21/25 13:37	08/23/25 05:46	563-58-6	
1,2,3-Trichlorobenzene	<86.3	ug/kg	387	86.3	1	08/21/25 13:37	08/23/25 05:46	87-61-6	
1,2,3-Trichloropropane	<37.6	ug/kg	77.5	37.6	1	08/21/25 13:37	08/23/25 05:46	96-18-4	
1,2,4-Trichlorobenzene	<63.8	ug/kg	387	63.8	1	08/21/25 13:37	08/23/25 05:46	120-82-1	
1,2,4-Trimethylbenzene	<23.1	ug/kg	77.5	23.1	1	08/21/25 13:37	08/23/25 05:46	95-63-6	
1,2-Dibromo-3-chloropropane	<60.1	ug/kg	387	60.1	1	08/21/25 13:37	08/23/25 05:46	96-12-8	
1,2-Dibromoethane (EDB)	<21.2	ug/kg	77.5	21.2	1	08/21/25 13:37	08/23/25 05:46	106-93-4	
1,2-Dichlorobenzene	<27.1	ug/kg	77.5	27.1	1	08/21/25 13:37	08/23/25 05:46	95-50-1	
1,2-Dichloroethane	<17.8	ug/kg	77.5	17.8	1	08/21/25 13:37	08/23/25 05:46	107-06-2	
1,2-Dichloropropane	<18.4	ug/kg	77.5	18.4	1	08/21/25 13:37	08/23/25 05:46	78-87-5	
1,3,5-Trimethylbenzene	<24.9	ug/kg	77.5	24.9	1	08/21/25 13:37	08/23/25 05:46	108-67-8	
1,3-Dichlorobenzene	<22.8	ug/kg	77.5	22.8	1	08/21/25 13:37	08/23/25 05:46	541-73-1	
1,3-Dichloropropane	<16.9	ug/kg	77.5	16.9	1	08/21/25 13:37	08/23/25 05:46	142-28-9	
1,4-Dichlorobenzene	<23.8	ug/kg	77.5	23.8	1	08/21/25 13:37	08/23/25 05:46	106-46-7	
2,2-Dichloropropane	<20.9	ug/kg	77.5	20.9	1	08/21/25 13:37	08/23/25 05:46	594-20-7	
2-Chlorotoluene	<25.1	ug/kg	77.5	25.1	1	08/21/25 13:37	08/23/25 05:46	95-49-8	
4-Chlorotoluene	<29.4	ug/kg	77.5	29.4	1	08/21/25 13:37	08/23/25 05:46	106-43-4	
Benzene	<18.4	ug/kg	31.0	18.4	1	08/21/25 13:37	08/23/25 05:46	71-43-2	
Bromobenzene	<30.2	ug/kg	77.5	30.2	1	08/21/25 13:37	08/23/25 05:46	108-86-1	
Bromochloromethane	<21.2	ug/kg	77.5	21.2	1	08/21/25 13:37	08/23/25 05:46	74-97-5	
Bromodichloromethane	<18.4	ug/kg	77.5	18.4	1	08/21/25 13:37	08/23/25 05:46	75-27-4	
Bromoform	<341	ug/kg	387	341	1	08/21/25 13:37	08/23/25 05:46	75-25-2	
Bromomethane	<109	ug/kg	387	109	1	08/21/25 13:37	08/23/25 05:46	74-83-9	v1
Carbon tetrachloride	<17.0	ug/kg	77.5	17.0	1	08/21/25 13:37	08/23/25 05:46	56-23-5	
Chlorobenzene	<9.3	ug/kg	77.5	9.3	1	08/21/25 13:37	08/23/25 05:46	108-90-7	
Chloroethane	<32.7	ug/kg	387	32.7	1	08/21/25 13:37	08/23/25 05:46	75-00-3	
Chloroform	<55.5	ug/kg	387	55.5	1	08/21/25 13:37	08/23/25 05:46	67-66-3	
Chloromethane	<29.4	ug/kg	77.5	29.4	1	08/21/25 13:37	08/23/25 05:46	74-87-3	
Dibromochloromethane	<265	ug/kg	387	265	1	08/21/25 13:37	08/23/25 05:46	124-48-1	
Dibromomethane	<22.9	ug/kg	77.5	22.9	1	08/21/25 13:37	08/23/25 05:46	74-95-3	
Dichlorodifluoromethane	<33.3	ug/kg	77.5	33.3	1	08/21/25 13:37	08/23/25 05:46	75-71-8	
Diisopropyl ether	<19.2	ug/kg	77.5	19.2	1	08/21/25 13:37	08/23/25 05:46	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-1(6-8) Lab ID: 40300412002 Collected: 08/19/25 09:20 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<18.4	ug/kg	77.5	18.4	1	08/21/25 13:37	08/23/25 05:46	100-41-4	v2
Hexachloro-1,3-butadiene	<154	ug/kg	387	154	1	08/21/25 13:37	08/23/25 05:46	87-68-3	
Isopropylbenzene (Cumene)	<26.5	ug/kg	77.5	26.5	1	08/21/25 13:37	08/23/25 05:46	98-82-8	
Methyl-tert-butyl ether	<22.8	ug/kg	77.5	22.8	1	08/21/25 13:37	08/23/25 05:46	1634-04-4	
Methylene Chloride	<21.5	ug/kg	77.5	21.5	1	08/21/25 13:37	08/23/25 05:46	75-09-2	
Naphthalene	<32.6	ug/kg	387	32.6	1	08/21/25 13:37	08/23/25 05:46	91-20-3	
Styrene	<19.8	ug/kg	77.5	19.8	1	08/21/25 13:37	08/23/25 05:46	100-42-5	
Tetrachloroethene	<30.1	ug/kg	77.5	30.1	1	08/21/25 13:37	08/23/25 05:46	127-18-4	
Toluene	<24.5	ug/kg	77.5	24.5	1	08/21/25 13:37	08/23/25 05:46	108-88-3	
Trichloroethene	<29.0	ug/kg	77.5	29.0	1	08/21/25 13:37	08/23/25 05:46	79-01-6	
Trichlorofluoromethane	<22.5	ug/kg	77.5	22.5	1	08/21/25 13:37	08/23/25 05:46	75-69-4	
Vinyl chloride	<15.6	ug/kg	77.5	15.6	1	08/21/25 13:37	08/23/25 05:46	75-01-4	
cis-1,2-Dichloroethene	<16.6	ug/kg	77.5	16.6	1	08/21/25 13:37	08/23/25 05:46	156-59-2	
cis-1,3-Dichloropropene	<51.1	ug/kg	387	51.1	1	08/21/25 13:37	08/23/25 05:46	10061-01-5	
m&p-Xylene	<44.5	ug/kg	155	44.5	1	08/21/25 13:37	08/23/25 05:46	179601-23-1	
n-Butylbenzene	<43.5	ug/kg	77.5	43.5	1	08/21/25 13:37	08/23/25 05:46	104-51-8	
n-Propylbenzene	<25.3	ug/kg	77.5	25.3	1	08/21/25 13:37	08/23/25 05:46	103-65-1	
o-Xylene	<25.2	ug/kg	77.5	25.2	1	08/21/25 13:37	08/23/25 05:46	95-47-6	
p-Isopropyltoluene	<26.3	ug/kg	77.5	26.3	1	08/21/25 13:37	08/23/25 05:46	99-87-6	
sec-Butylbenzene	<31.8	ug/kg	77.5	31.8	1	08/21/25 13:37	08/23/25 05:46	135-98-8	
tert-Butylbenzene	<24.3	ug/kg	77.5	24.3	1	08/21/25 13:37	08/23/25 05:46	98-06-6	
trans-1,2-Dichloroethene	<16.9	ug/kg	77.5	16.9	1	08/21/25 13:37	08/23/25 05:46	156-60-5	
trans-1,3-Dichloropropene	<222	ug/kg	387	222	1	08/21/25 13:37	08/23/25 05:46	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	118	%	56-189		1	08/21/25 13:37	08/23/25 05:46	2199-69-1	
4-Bromofluorobenzene (S)	116	%	58-188		1	08/21/25 13:37	08/23/25 05:46	460-00-4	
Toluene-d8 (S)	129	%	70-172		1	08/21/25 13:37	08/23/25 05:46	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	21.5	%	0.10	0.10	1	08/21/25 11:57

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-2(1-3) Lab ID: 40300412003 Collected: 08/19/25 10:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	7.6	mg/kg	2.6	1.5	1	09/19/25 09:30	09/19/25 19:04	7440-38-2	
Barium	121	mg/kg	0.52	0.16	1	09/19/25 09:30	09/19/25 19:04	7440-39-3	
Cadmium	0.45J	mg/kg	0.52	0.14	1	09/19/25 09:30	09/19/25 19:04	7440-43-9	
Chromium	18.2	mg/kg	1.0	0.29	1	09/19/25 09:30	09/19/25 19:04	7440-47-3	
Lead	218	mg/kg	2.1	0.62	1	09/19/25 09:30	09/19/25 19:04	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	09/19/25 09:30	09/19/25 19:04	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	09/19/25 09:30	09/19/25 19:04	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.070	mg/kg	0.035	0.021	1	09/16/25 09:18	09/16/25 15:57	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<243	ug/kg	493	243	2.5	08/26/25 13:41	08/27/25 21:44	87-86-5	D3
Surrogates									
Nitrobenzene-d5 (S)	67	%	40-130		2.5	08/26/25 13:41	08/27/25 21:44	4165-60-0	
2-Fluorobiphenyl (S)	55	%	37-130		2.5	08/26/25 13:41	08/27/25 21:44	321-60-8	
Terphenyl-d14 (S)	67	%	46-132		2.5	08/26/25 13:41	08/27/25 21:44	1718-51-0	
Phenol-d6 (S)	64	%	34-130		2.5	08/26/25 13:41	08/27/25 21:44	13127-88-3	
2-Fluorophenol (S)	58	%	28-130		2.5	08/26/25 13:41	08/27/25 21:44	367-12-4	
2,4,6-Tribromophenol (S)	60	%	29-156		2.5	08/26/25 13:41	08/27/25 21:44	118-79-6	
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	19.8	2.6	1	08/26/25 08:00	08/26/25 20:34	83-32-9	
Acenaphthylene	21.9	ug/kg	19.8	2.5	1	08/26/25 08:00	08/26/25 20:34	208-96-8	
Anthracene	16.8J	ug/kg	19.8	2.5	1	08/26/25 08:00	08/26/25 20:34	120-12-7	
Benzo(a)anthracene	72.9	ug/kg	19.8	2.6	1	08/26/25 08:00	08/26/25 20:34	56-55-3	
Benzo(a)pyrene	101	ug/kg	19.8	2.2	1	08/26/25 08:00	08/26/25 20:34	50-32-8	
Benzo(b)fluoranthene	137	ug/kg	19.8	2.7	1	08/26/25 08:00	08/26/25 20:34	205-99-2	
Benzo(g,h,i)perylene	75.0	ug/kg	19.8	3.5	1	08/26/25 08:00	08/26/25 20:34	191-24-2	
Benzo(k)fluoranthene	55.0	ug/kg	19.8	2.5	1	08/26/25 08:00	08/26/25 20:34	207-08-9	
Chrysene	103	ug/kg	19.8	3.7	1	08/26/25 08:00	08/26/25 20:34	218-01-9	
Dibenz(a,h)anthracene	20.2	ug/kg	19.8	2.7	1	08/26/25 08:00	08/26/25 20:34	53-70-3	
Fluoranthene	184	ug/kg	19.8	2.3	1	08/26/25 08:00	08/26/25 20:34	206-44-0	
Fluorene	3.3J	ug/kg	19.8	2.4	1	08/26/25 08:00	08/26/25 20:34	86-73-7	
Indeno(1,2,3-cd)pyrene	59.1	ug/kg	19.8	4.1	1	08/26/25 08:00	08/26/25 20:34	193-39-5	
1-Methylnaphthalene	<2.9	ug/kg	19.8	2.9	1	08/26/25 08:00	08/26/25 20:34	90-12-0	
2-Methylnaphthalene	<2.9	ug/kg	19.8	2.9	1	08/26/25 08:00	08/26/25 20:34	91-57-6	
Naphthalene	3.7J	ug/kg	19.8	1.9	1	08/26/25 08:00	08/26/25 20:34	91-20-3	
Phenanthrene	54.6	ug/kg	19.8	2.3	1	08/26/25 08:00	08/26/25 20:34	85-01-8	
Pyrene	136	ug/kg	19.8	2.9	1	08/26/25 08:00	08/26/25 20:34	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-2(1-3) Lab ID: 40300412003 Collected: 08/19/25 10:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	55	%	36-120		1	08/26/25 08:00	08/26/25 20:34	321-60-8	
Terphenyl-d14 (S)	61	%	36-120		1	08/26/25 08:00	08/26/25 20:34	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<16.4	ug/kg	68.2	16.4	1	08/21/25 13:37	08/23/25 06:06	630-20-6	
1,1,1-Trichloroethane	<17.5	ug/kg	68.2	17.5	1	08/21/25 13:37	08/23/25 06:06	71-55-6	
1,1,2,2-Tetrachloroethane	<24.7	ug/kg	68.2	24.7	1	08/21/25 13:37	08/23/25 06:06	79-34-5	
1,1,2-Trichloroethane	<24.8	ug/kg	68.2	24.8	1	08/21/25 13:37	08/23/25 06:06	79-00-5	
1,1-Dichloroethane	<17.5	ug/kg	68.2	17.5	1	08/21/25 13:37	08/23/25 06:06	75-34-3	
1,1-Dichloroethene	<22.7	ug/kg	68.2	22.7	1	08/21/25 13:37	08/23/25 06:06	75-35-4	
1,1-Dichloropropene	<22.1	ug/kg	68.2	22.1	1	08/21/25 13:37	08/23/25 06:06	563-58-6	
1,2,3-Trichlorobenzene	<76.0	ug/kg	341	76.0	1	08/21/25 13:37	08/23/25 06:06	87-61-6	
1,2,3-Trichloropropane	<33.2	ug/kg	68.2	33.2	1	08/21/25 13:37	08/23/25 06:06	96-18-4	
1,2,4-Trichlorobenzene	<56.2	ug/kg	341	56.2	1	08/21/25 13:37	08/23/25 06:06	120-82-1	
1,2,4-Trimethylbenzene	<20.3	ug/kg	68.2	20.3	1	08/21/25 13:37	08/23/25 06:06	95-63-6	
1,2-Dibromo-3-chloropropane	<52.9	ug/kg	341	52.9	1	08/21/25 13:37	08/23/25 06:06	96-12-8	
1,2-Dibromoethane (EDB)	<18.7	ug/kg	68.2	18.7	1	08/21/25 13:37	08/23/25 06:06	106-93-4	
1,2-Dichlorobenzene	<23.9	ug/kg	68.2	23.9	1	08/21/25 13:37	08/23/25 06:06	95-50-1	
1,2-Dichloroethane	<15.7	ug/kg	68.2	15.7	1	08/21/25 13:37	08/23/25 06:06	107-06-2	
1,2-Dichloropropane	<16.2	ug/kg	68.2	16.2	1	08/21/25 13:37	08/23/25 06:06	78-87-5	
1,3,5-Trimethylbenzene	<22.0	ug/kg	68.2	22.0	1	08/21/25 13:37	08/23/25 06:06	108-67-8	
1,3-Dichlorobenzene	<20.1	ug/kg	68.2	20.1	1	08/21/25 13:37	08/23/25 06:06	541-73-1	
1,3-Dichloropropane	<14.9	ug/kg	68.2	14.9	1	08/21/25 13:37	08/23/25 06:06	142-28-9	
1,4-Dichlorobenzene	<21.0	ug/kg	68.2	21.0	1	08/21/25 13:37	08/23/25 06:06	106-46-7	
2,2-Dichloropropane	<18.4	ug/kg	68.2	18.4	1	08/21/25 13:37	08/23/25 06:06	594-20-7	
2-Chlorotoluene	<22.1	ug/kg	68.2	22.1	1	08/21/25 13:37	08/23/25 06:06	95-49-8	
4-Chlorotoluene	<25.9	ug/kg	68.2	25.9	1	08/21/25 13:37	08/23/25 06:06	106-43-4	
Benzene	<16.2	ug/kg	27.3	16.2	1	08/21/25 13:37	08/23/25 06:06	71-43-2	
Bromobenzene	<26.6	ug/kg	68.2	26.6	1	08/21/25 13:37	08/23/25 06:06	108-86-1	
Bromochloromethane	<18.7	ug/kg	68.2	18.7	1	08/21/25 13:37	08/23/25 06:06	74-97-5	
Bromodichloromethane	<16.2	ug/kg	68.2	16.2	1	08/21/25 13:37	08/23/25 06:06	75-27-4	
Bromoform	<300	ug/kg	341	300	1	08/21/25 13:37	08/23/25 06:06	75-25-2	
Bromomethane	<95.6	ug/kg	341	95.6	1	08/21/25 13:37	08/23/25 06:06	74-83-9	v1
Carbon tetrachloride	<15.0	ug/kg	68.2	15.0	1	08/21/25 13:37	08/23/25 06:06	56-23-5	
Chlorobenzene	<8.2	ug/kg	68.2	8.2	1	08/21/25 13:37	08/23/25 06:06	108-90-7	
Chloroethane	<28.8	ug/kg	341	28.8	1	08/21/25 13:37	08/23/25 06:06	75-00-3	
Chloroform	<48.8	ug/kg	341	48.8	1	08/21/25 13:37	08/23/25 06:06	67-66-3	
Chloromethane	<25.9	ug/kg	68.2	25.9	1	08/21/25 13:37	08/23/25 06:06	74-87-3	
Dibromochloromethane	<233	ug/kg	341	233	1	08/21/25 13:37	08/23/25 06:06	124-48-1	
Dibromomethane	<20.2	ug/kg	68.2	20.2	1	08/21/25 13:37	08/23/25 06:06	74-95-3	
Dichlorodifluoromethane	<29.3	ug/kg	68.2	29.3	1	08/21/25 13:37	08/23/25 06:06	75-71-8	
Diisopropyl ether	<16.9	ug/kg	68.2	16.9	1	08/21/25 13:37	08/23/25 06:06	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-2(1-3) Lab ID: 40300412003 Collected: 08/19/25 10:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<16.2	ug/kg	68.2	16.2	1	08/21/25 13:37	08/23/25 06:06	100-41-4	v2
Hexachloro-1,3-butadiene	<136	ug/kg	341	136	1	08/21/25 13:37	08/23/25 06:06	87-68-3	
Isopropylbenzene (Cumene)	<23.3	ug/kg	68.2	23.3	1	08/21/25 13:37	08/23/25 06:06	98-82-8	
Methyl-tert-butyl ether	<20.1	ug/kg	68.2	20.1	1	08/21/25 13:37	08/23/25 06:06	1634-04-4	
Methylene Chloride	<19.0	ug/kg	68.2	19.0	1	08/21/25 13:37	08/23/25 06:06	75-09-2	
Naphthalene	<28.7	ug/kg	341	28.7	1	08/21/25 13:37	08/23/25 06:06	91-20-3	
Styrene	<17.5	ug/kg	68.2	17.5	1	08/21/25 13:37	08/23/25 06:06	100-42-5	
Tetrachloroethene	<26.5	ug/kg	68.2	26.5	1	08/21/25 13:37	08/23/25 06:06	127-18-4	
Toluene	<21.6	ug/kg	68.2	21.6	1	08/21/25 13:37	08/23/25 06:06	108-88-3	
Trichloroethene	<25.5	ug/kg	68.2	25.5	1	08/21/25 13:37	08/23/25 06:06	79-01-6	
Trichlorofluoromethane	<19.8	ug/kg	68.2	19.8	1	08/21/25 13:37	08/23/25 06:06	75-69-4	
Vinyl chloride	<13.8	ug/kg	68.2	13.8	1	08/21/25 13:37	08/23/25 06:06	75-01-4	
cis-1,2-Dichloroethene	<14.6	ug/kg	68.2	14.6	1	08/21/25 13:37	08/23/25 06:06	156-59-2	
cis-1,3-Dichloropropene	<45.0	ug/kg	341	45.0	1	08/21/25 13:37	08/23/25 06:06	10061-01-5	
m&p-Xylene	<39.2	ug/kg	136	39.2	1	08/21/25 13:37	08/23/25 06:06	179601-23-1	
n-Butylbenzene	<38.3	ug/kg	68.2	38.3	1	08/21/25 13:37	08/23/25 06:06	104-51-8	
n-Propylbenzene	<22.3	ug/kg	68.2	22.3	1	08/21/25 13:37	08/23/25 06:06	103-65-1	
o-Xylene	<22.2	ug/kg	68.2	22.2	1	08/21/25 13:37	08/23/25 06:06	95-47-6	
p-Isopropyltoluene	<23.2	ug/kg	68.2	23.2	1	08/21/25 13:37	08/23/25 06:06	99-87-6	
sec-Butylbenzene	<28.0	ug/kg	68.2	28.0	1	08/21/25 13:37	08/23/25 06:06	135-98-8	
tert-Butylbenzene	<21.4	ug/kg	68.2	21.4	1	08/21/25 13:37	08/23/25 06:06	98-06-6	
trans-1,2-Dichloroethene	<14.9	ug/kg	68.2	14.9	1	08/21/25 13:37	08/23/25 06:06	156-60-5	
trans-1,3-Dichloropropene	<195	ug/kg	341	195	1	08/21/25 13:37	08/23/25 06:06	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	116	%	56-189		1	08/21/25 13:37	08/23/25 06:06	2199-69-1	
4-Bromofluorobenzene (S)	117	%	58-188		1	08/21/25 13:37	08/23/25 06:06	460-00-4	
Toluene-d8 (S)	128	%	70-172		1	08/21/25 13:37	08/23/25 06:06	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	15.4	%	0.10	0.10	1	08/21/25 11:57

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-2(3.5-5.5) Lab ID: 40300412004 Collected: 08/19/25 10:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:06	7440-38-2	
Barium	21.2	mg/kg	0.56	0.17	1	09/19/25 09:30	09/19/25 19:06	7440-39-3	
Cadmium	<0.15	mg/kg	0.56	0.15	1	09/19/25 09:30	09/19/25 19:06	7440-43-9	
Chromium	9.5	mg/kg	1.1	0.31	1	09/19/25 09:30	09/19/25 19:06	7440-47-3	
Lead	1.9J	mg/kg	2.2	0.67	1	09/19/25 09:30	09/19/25 19:06	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	09/19/25 09:30	09/19/25 19:06	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	09/19/25 09:30	09/19/25 19:06	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.021	mg/kg	0.036	0.021	1	09/16/25 09:18	09/16/25 15:59	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<94.8	ug/kg	193	94.8	1	08/26/25 13:41	08/27/25 16:03	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	54	%	40-130		1	08/26/25 13:41	08/27/25 16:03	4165-60-0	
2-Fluorobiphenyl (S)	55	%	37-130		1	08/26/25 13:41	08/27/25 16:03	321-60-8	
Terphenyl-d14 (S)	67	%	46-132		1	08/26/25 13:41	08/27/25 16:03	1718-51-0	
Phenol-d6 (S)	52	%	34-130		1	08/26/25 13:41	08/27/25 16:03	13127-88-3	
2-Fluorophenol (S)	52	%	28-130		1	08/26/25 13:41	08/27/25 16:03	367-12-4	
2,4,6-Tribromophenol (S)	62	%	29-156		1	08/26/25 13:41	08/27/25 16:03	118-79-6	
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	08/26/25 08:00	08/26/25 17:45	83-32-9	
Acenaphthylene	<2.4	ug/kg	19.3	2.4	1	08/26/25 08:00	08/26/25 17:45	208-96-8	
Anthracene	<2.4	ug/kg	19.3	2.4	1	08/26/25 08:00	08/26/25 17:45	120-12-7	
Benzo(a)anthracene	<2.5	ug/kg	19.3	2.5	1	08/26/25 08:00	08/26/25 17:45	56-55-3	
Benzo(a)pyrene	<2.2	ug/kg	19.3	2.2	1	08/26/25 08:00	08/26/25 17:45	50-32-8	
Benzo(b)fluoranthene	<2.7	ug/kg	19.3	2.7	1	08/26/25 08:00	08/26/25 17:45	205-99-2	
Benzo(g,h,i)perylene	<3.4	ug/kg	19.3	3.4	1	08/26/25 08:00	08/26/25 17:45	191-24-2	
Benzo(k)fluoranthene	<2.5	ug/kg	19.3	2.5	1	08/26/25 08:00	08/26/25 17:45	207-08-9	
Chrysene	<3.6	ug/kg	19.3	3.6	1	08/26/25 08:00	08/26/25 17:45	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	19.3	2.7	1	08/26/25 08:00	08/26/25 17:45	53-70-3	
Fluoranthene	<2.3	ug/kg	19.3	2.3	1	08/26/25 08:00	08/26/25 17:45	206-44-0	
Fluorene	<2.3	ug/kg	19.3	2.3	1	08/26/25 08:00	08/26/25 17:45	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	19.3	4.0	1	08/26/25 08:00	08/26/25 17:45	193-39-5	
1-Methylnaphthalene	<2.8	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 17:45	90-12-0	
2-Methylnaphthalene	<2.8	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 17:45	91-57-6	
Naphthalene	<1.9	ug/kg	19.3	1.9	1	08/26/25 08:00	08/26/25 17:45	91-20-3	
Phenanthrene	<2.2	ug/kg	19.3	2.2	1	08/26/25 08:00	08/26/25 17:45	85-01-8	
Pyrene	<2.8	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 17:45	129-00-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-2(3.5-5.5) Lab ID: 40300412004 Collected: 08/19/25 10:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	65	%	36-120		1	08/26/25 08:00	08/26/25 17:45	321-60-8	
Terphenyl-d14 (S)	76	%	36-120		1	08/26/25 08:00	08/26/25 17:45	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<15.7	ug/kg	65.4	15.7	1	08/21/25 13:37	08/23/25 06:26	630-20-6	
1,1,1-Trichloroethane	<16.7	ug/kg	65.4	16.7	1	08/21/25 13:37	08/23/25 06:26	71-55-6	
1,1,2,2-Tetrachloroethane	<23.7	ug/kg	65.4	23.7	1	08/21/25 13:37	08/23/25 06:26	79-34-5	
1,1,2-Trichloroethane	<23.8	ug/kg	65.4	23.8	1	08/21/25 13:37	08/23/25 06:26	79-00-5	
1,1-Dichloroethane	<16.7	ug/kg	65.4	16.7	1	08/21/25 13:37	08/23/25 06:26	75-34-3	
1,1-Dichloroethene	<21.7	ug/kg	65.4	21.7	1	08/21/25 13:37	08/23/25 06:26	75-35-4	
1,1-Dichloropropene	<21.2	ug/kg	65.4	21.2	1	08/21/25 13:37	08/23/25 06:26	563-58-6	
1,2,3-Trichlorobenzene	<72.8	ug/kg	327	72.8	1	08/21/25 13:37	08/23/25 06:26	87-61-6	
1,2,3-Trichloropropane	<31.8	ug/kg	65.4	31.8	1	08/21/25 13:37	08/23/25 06:26	96-18-4	
1,2,4-Trichlorobenzene	<53.9	ug/kg	327	53.9	1	08/21/25 13:37	08/23/25 06:26	120-82-1	
1,2,4-Trimethylbenzene	<19.5	ug/kg	65.4	19.5	1	08/21/25 13:37	08/23/25 06:26	95-63-6	
1,2-Dibromo-3-chloropropane	<50.7	ug/kg	327	50.7	1	08/21/25 13:37	08/23/25 06:26	96-12-8	
1,2-Dibromoethane (EDB)	<17.9	ug/kg	65.4	17.9	1	08/21/25 13:37	08/23/25 06:26	106-93-4	
1,2-Dichlorobenzene	<22.9	ug/kg	65.4	22.9	1	08/21/25 13:37	08/23/25 06:26	95-50-1	
1,2-Dichloroethane	<15.0	ug/kg	65.4	15.0	1	08/21/25 13:37	08/23/25 06:26	107-06-2	
1,2-Dichloropropane	<15.6	ug/kg	65.4	15.6	1	08/21/25 13:37	08/23/25 06:26	78-87-5	
1,3,5-Trimethylbenzene	<21.0	ug/kg	65.4	21.0	1	08/21/25 13:37	08/23/25 06:26	108-67-8	
1,3-Dichlorobenzene	<19.2	ug/kg	65.4	19.2	1	08/21/25 13:37	08/23/25 06:26	541-73-1	
1,3-Dichloropropane	<14.3	ug/kg	65.4	14.3	1	08/21/25 13:37	08/23/25 06:26	142-28-9	
1,4-Dichlorobenzene	<20.1	ug/kg	65.4	20.1	1	08/21/25 13:37	08/23/25 06:26	106-46-7	
2,2-Dichloropropane	<17.7	ug/kg	65.4	17.7	1	08/21/25 13:37	08/23/25 06:26	594-20-7	
2-Chlorotoluene	<21.2	ug/kg	65.4	21.2	1	08/21/25 13:37	08/23/25 06:26	95-49-8	
4-Chlorotoluene	<24.8	ug/kg	65.4	24.8	1	08/21/25 13:37	08/23/25 06:26	106-43-4	
Benzene	<15.6	ug/kg	26.1	15.6	1	08/21/25 13:37	08/23/25 06:26	71-43-2	
Bromobenzene	<25.5	ug/kg	65.4	25.5	1	08/21/25 13:37	08/23/25 06:26	108-86-1	
Bromochloromethane	<17.9	ug/kg	65.4	17.9	1	08/21/25 13:37	08/23/25 06:26	74-97-5	
Bromodichloromethane	<15.6	ug/kg	65.4	15.6	1	08/21/25 13:37	08/23/25 06:26	75-27-4	
Bromoform	<288	ug/kg	327	288	1	08/21/25 13:37	08/23/25 06:26	75-25-2	
Bromomethane	<91.6	ug/kg	327	91.6	1	08/21/25 13:37	08/23/25 06:26	74-83-9	v1
Carbon tetrachloride	<14.4	ug/kg	65.4	14.4	1	08/21/25 13:37	08/23/25 06:26	56-23-5	
Chlorobenzene	<7.8	ug/kg	65.4	7.8	1	08/21/25 13:37	08/23/25 06:26	108-90-7	
Chloroethane	<27.6	ug/kg	327	27.6	1	08/21/25 13:37	08/23/25 06:26	75-00-3	
Chloroform	<46.8	ug/kg	327	46.8	1	08/21/25 13:37	08/23/25 06:26	67-66-3	
Chloromethane	<24.8	ug/kg	65.4	24.8	1	08/21/25 13:37	08/23/25 06:26	74-87-3	
Dibromochloromethane	<223	ug/kg	327	223	1	08/21/25 13:37	08/23/25 06:26	124-48-1	
Dibromomethane	<19.3	ug/kg	65.4	19.3	1	08/21/25 13:37	08/23/25 06:26	74-95-3	
Dichlorodifluoromethane	<28.1	ug/kg	65.4	28.1	1	08/21/25 13:37	08/23/25 06:26	75-71-8	
Diisopropyl ether	<16.2	ug/kg	65.4	16.2	1	08/21/25 13:37	08/23/25 06:26	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-2(3.5-5.5) Lab ID: 40300412004 Collected: 08/19/25 10:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<15.6	ug/kg	65.4	15.6	1	08/21/25 13:37	08/23/25 06:26	100-41-4	v2
Hexachloro-1,3-butadiene	<130	ug/kg	327	130	1	08/21/25 13:37	08/23/25 06:26	87-68-3	
Isopropylbenzene (Cumene)	<22.3	ug/kg	65.4	22.3	1	08/21/25 13:37	08/23/25 06:26	98-82-8	
Methyl-tert-butyl ether	<19.2	ug/kg	65.4	19.2	1	08/21/25 13:37	08/23/25 06:26	1634-04-4	
Methylene Chloride	<18.2	ug/kg	65.4	18.2	1	08/21/25 13:37	08/23/25 06:26	75-09-2	
Naphthalene	<27.5	ug/kg	327	27.5	1	08/21/25 13:37	08/23/25 06:26	91-20-3	
Styrene	<16.7	ug/kg	65.4	16.7	1	08/21/25 13:37	08/23/25 06:26	100-42-5	
Tetrachloroethene	<25.4	ug/kg	65.4	25.4	1	08/21/25 13:37	08/23/25 06:26	127-18-4	
Toluene	<20.7	ug/kg	65.4	20.7	1	08/21/25 13:37	08/23/25 06:26	108-88-3	
Trichloroethene	<24.4	ug/kg	65.4	24.4	1	08/21/25 13:37	08/23/25 06:26	79-01-6	
Trichlorofluoromethane	<19.0	ug/kg	65.4	19.0	1	08/21/25 13:37	08/23/25 06:26	75-69-4	
Vinyl chloride	<13.2	ug/kg	65.4	13.2	1	08/21/25 13:37	08/23/25 06:26	75-01-4	
cis-1,2-Dichloroethene	<14.0	ug/kg	65.4	14.0	1	08/21/25 13:37	08/23/25 06:26	156-59-2	
cis-1,3-Dichloropropene	<43.1	ug/kg	327	43.1	1	08/21/25 13:37	08/23/25 06:26	10061-01-5	
m&p-Xylene	<37.6	ug/kg	131	37.6	1	08/21/25 13:37	08/23/25 06:26	179601-23-1	
n-Butylbenzene	<36.7	ug/kg	65.4	36.7	1	08/21/25 13:37	08/23/25 06:26	104-51-8	
n-Propylbenzene	<21.3	ug/kg	65.4	21.3	1	08/21/25 13:37	08/23/25 06:26	103-65-1	
o-Xylene	<21.3	ug/kg	65.4	21.3	1	08/21/25 13:37	08/23/25 06:26	95-47-6	
p-Isopropyltoluene	<22.2	ug/kg	65.4	22.2	1	08/21/25 13:37	08/23/25 06:26	99-87-6	
sec-Butylbenzene	<26.9	ug/kg	65.4	26.9	1	08/21/25 13:37	08/23/25 06:26	135-98-8	
tert-Butylbenzene	<20.5	ug/kg	65.4	20.5	1	08/21/25 13:37	08/23/25 06:26	98-06-6	
trans-1,2-Dichloroethene	<14.3	ug/kg	65.4	14.3	1	08/21/25 13:37	08/23/25 06:26	156-60-5	
trans-1,3-Dichloropropene	<187	ug/kg	327	187	1	08/21/25 13:37	08/23/25 06:26	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	113	%	56-189		1	08/21/25 13:37	08/23/25 06:26	2199-69-1	
4-Bromofluorobenzene (S)	113	%	58-188		1	08/21/25 13:37	08/23/25 06:26	460-00-4	
Toluene-d8 (S)	126	%	70-172		1	08/21/25 13:37	08/23/25 06:26	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	13.3	%	0.10	0.10	1	08/21/25 11:57

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(2-4) Lab ID: 40300412005 Collected: 08/19/25 11:35 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	7.0	mg/kg	3.4	2.0	1	09/19/25 09:30	09/19/25 19:12	7440-38-2	
Barium	123	mg/kg	0.68	0.20	1	09/19/25 09:30	09/19/25 19:12	7440-39-3	
Cadmium	<0.18	mg/kg	0.68	0.18	1	09/19/25 09:30	09/19/25 19:12	7440-43-9	
Chromium	25.5	mg/kg	1.4	0.38	1	09/19/25 09:30	09/19/25 19:12	7440-47-3	
Lead	57.0	mg/kg	2.7	0.82	1	09/19/25 09:30	09/19/25 19:12	7439-92-1	
Selenium	<1.8	mg/kg	5.4	1.8	1	09/19/25 09:30	09/19/25 19:12	7782-49-2	
Silver	<0.42	mg/kg	1.4	0.42	1	09/19/25 09:30	09/19/25 19:12	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.047	mg/kg	0.046	0.028	1	09/16/25 09:18	09/16/25 16:02	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<293	ug/kg	595	293	2.5	08/26/25 13:41	08/27/25 20:40	87-86-5	D3
Surrogates									
Nitrobenzene-d5 (S)	64	%	40-130		2.5	08/26/25 13:41	08/27/25 20:40	4165-60-0	
2-Fluorobiphenyl (S)	60	%	37-130		2.5	08/26/25 13:41	08/27/25 20:40	321-60-8	
Terphenyl-d14 (S)	66	%	46-132		2.5	08/26/25 13:41	08/27/25 20:40	1718-51-0	
Phenol-d6 (S)	56	%	34-130		2.5	08/26/25 13:41	08/27/25 20:40	13127-88-3	
2-Fluorophenol (S)	55	%	28-130		2.5	08/26/25 13:41	08/27/25 20:40	367-12-4	
2,4,6-Tribromophenol (S)	64	%	29-156		2.5	08/26/25 13:41	08/27/25 20:40	118-79-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<3.1	ug/kg	23.8	3.1	1	08/26/25 08:00	08/26/25 20:49	83-32-9	
Acenaphthylene	9.2J	ug/kg	23.8	3.0	1	08/26/25 08:00	08/26/25 20:49	208-96-8	
Anthracene	7.7J	ug/kg	23.8	3.0	1	08/26/25 08:00	08/26/25 20:49	120-12-7	
Benzo(a)anthracene	28.7	ug/kg	23.8	3.1	1	08/26/25 08:00	08/26/25 20:49	56-55-3	
Benzo(a)pyrene	43.8	ug/kg	23.8	2.7	1	08/26/25 08:00	08/26/25 20:49	50-32-8	
Benzo(b)fluoranthene	58.2	ug/kg	23.8	3.3	1	08/26/25 08:00	08/26/25 20:49	205-99-2	
Benzo(g,h,i)perylene	32.2	ug/kg	23.8	4.2	1	08/26/25 08:00	08/26/25 20:49	191-24-2	
Benzo(k)fluoranthene	23.1J	ug/kg	23.8	3.0	1	08/26/25 08:00	08/26/25 20:49	207-08-9	
Chrysene	41.8	ug/kg	23.8	4.5	1	08/26/25 08:00	08/26/25 20:49	218-01-9	
Dibenz(a,h)anthracene	5.9J	ug/kg	23.8	3.3	1	08/26/25 08:00	08/26/25 20:49	53-70-3	
Fluoranthene	72.2	ug/kg	23.8	2.8	1	08/26/25 08:00	08/26/25 20:49	206-44-0	
Fluorene	<2.9	ug/kg	23.8	2.9	1	08/26/25 08:00	08/26/25 20:49	86-73-7	
Indeno(1,2,3-cd)pyrene	25.2	ug/kg	23.8	5.0	1	08/26/25 08:00	08/26/25 20:49	193-39-5	
1-Methylnaphthalene	<3.5	ug/kg	23.8	3.5	1	08/26/25 08:00	08/26/25 20:49	90-12-0	
2-Methylnaphthalene	<3.5	ug/kg	23.8	3.5	1	08/26/25 08:00	08/26/25 20:49	91-57-6	
Naphthalene	2.8J	ug/kg	23.8	2.3	1	08/26/25 08:00	08/26/25 20:49	91-20-3	
Phenanthrene	22.2J	ug/kg	23.8	2.7	1	08/26/25 08:00	08/26/25 20:49	85-01-8	
Pyrene	55.5	ug/kg	23.8	3.5	1	08/26/25 08:00	08/26/25 20:49	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(2-4) Lab ID: 40300412005 Collected: 08/19/25 11:35 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	56	%	36-120		1	08/26/25 08:00	08/26/25 20:49	321-60-8	
Terphenyl-d14 (S)	61	%	36-120		1	08/26/25 08:00	08/26/25 20:49	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<22.2	ug/kg	92.6	22.2	1	08/21/25 13:37	08/25/25 11:29	630-20-6	
1,1,1-Trichloroethane	<23.7	ug/kg	92.6	23.7	1	08/21/25 13:37	08/25/25 11:29	71-55-6	
1,1,2,2-Tetrachloroethane	<33.5	ug/kg	92.6	33.5	1	08/21/25 13:37	08/25/25 11:29	79-34-5	
1,1,2-Trichloroethane	<33.7	ug/kg	92.6	33.7	1	08/21/25 13:37	08/25/25 11:29	79-00-5	
1,1-Dichloroethane	<23.7	ug/kg	92.6	23.7	1	08/21/25 13:37	08/25/25 11:29	75-34-3	
1,1-Dichloroethene	<30.7	ug/kg	92.6	30.7	1	08/21/25 13:37	08/25/25 11:29	75-35-4	
1,1-Dichloropropene	<30.0	ug/kg	92.6	30.0	1	08/21/25 13:37	08/25/25 11:29	563-58-6	
1,2,3-Trichlorobenzene	<103	ug/kg	463	103	1	08/21/25 13:37	08/25/25 11:29	87-61-6	
1,2,3-Trichloropropane	<45.0	ug/kg	92.6	45.0	1	08/21/25 13:37	08/25/25 11:29	96-18-4	
1,2,4-Trichlorobenzene	<76.3	ug/kg	463	76.3	1	08/21/25 13:37	08/25/25 11:29	120-82-1	
1,2,4-Trimethylbenzene	<27.6	ug/kg	92.6	27.6	1	08/21/25 13:37	08/25/25 11:29	95-63-6	
1,2-Dibromo-3-chloropropane	<71.8	ug/kg	463	71.8	1	08/21/25 13:37	08/25/25 11:29	96-12-8	
1,2-Dibromoethane (EDB)	<25.4	ug/kg	92.6	25.4	1	08/21/25 13:37	08/25/25 11:29	106-93-4	
1,2-Dichlorobenzene	<32.4	ug/kg	92.6	32.4	1	08/21/25 13:37	08/25/25 11:29	95-50-1	
1,2-Dichloroethane	<21.3	ug/kg	92.6	21.3	1	08/21/25 13:37	08/25/25 11:29	107-06-2	
1,2-Dichloropropane	<22.0	ug/kg	92.6	22.0	1	08/21/25 13:37	08/25/25 11:29	78-87-5	
1,3,5-Trimethylbenzene	<29.8	ug/kg	92.6	29.8	1	08/21/25 13:37	08/25/25 11:29	108-67-8	
1,3-Dichlorobenzene	<27.2	ug/kg	92.6	27.2	1	08/21/25 13:37	08/25/25 11:29	541-73-1	
1,3-Dichloropropane	<20.2	ug/kg	92.6	20.2	1	08/21/25 13:37	08/25/25 11:29	142-28-9	
1,4-Dichlorobenzene	<28.4	ug/kg	92.6	28.4	1	08/21/25 13:37	08/25/25 11:29	106-46-7	
2,2-Dichloropropane	<25.0	ug/kg	92.6	25.0	1	08/21/25 13:37	08/25/25 11:29	594-20-7	
2-Chlorotoluene	<30.0	ug/kg	92.6	30.0	1	08/21/25 13:37	08/25/25 11:29	95-49-8	
4-Chlorotoluene	<35.2	ug/kg	92.6	35.2	1	08/21/25 13:37	08/25/25 11:29	106-43-4	
Benzene	<22.0	ug/kg	37.0	22.0	1	08/21/25 13:37	08/25/25 11:29	71-43-2	
Bromobenzene	<36.1	ug/kg	92.6	36.1	1	08/21/25 13:37	08/25/25 11:29	108-86-1	
Bromochloromethane	<25.4	ug/kg	92.6	25.4	1	08/21/25 13:37	08/25/25 11:29	74-97-5	
Bromodichloromethane	<22.0	ug/kg	92.6	22.0	1	08/21/25 13:37	08/25/25 11:29	75-27-4	
Bromoform	<407	ug/kg	463	407	1	08/21/25 13:37	08/25/25 11:29	75-25-2	
Bromomethane	<130	ug/kg	463	130	1	08/21/25 13:37	08/25/25 11:29	74-83-9	
Carbon tetrachloride	<20.4	ug/kg	92.6	20.4	1	08/21/25 13:37	08/25/25 11:29	56-23-5	
Chlorobenzene	<11.1	ug/kg	92.6	11.1	1	08/21/25 13:37	08/25/25 11:29	108-90-7	
Chloroethane	<39.1	ug/kg	463	39.1	1	08/21/25 13:37	08/25/25 11:29	75-00-3	
Chloroform	<66.3	ug/kg	463	66.3	1	08/21/25 13:37	08/25/25 11:29	67-66-3	
Chloromethane	<35.2	ug/kg	92.6	35.2	1	08/21/25 13:37	08/25/25 11:29	74-87-3	
Dibromochloromethane	<316	ug/kg	463	316	1	08/21/25 13:37	08/25/25 11:29	124-48-1	
Dibromomethane	<27.4	ug/kg	92.6	27.4	1	08/21/25 13:37	08/25/25 11:29	74-95-3	
Dichlorodifluoromethane	<39.8	ug/kg	92.6	39.8	1	08/21/25 13:37	08/25/25 11:29	75-71-8	
Diisopropyl ether	<23.0	ug/kg	92.6	23.0	1	08/21/25 13:37	08/25/25 11:29	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(2-4) Lab ID: 40300412005 Collected: 08/19/25 11:35 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<22.0	ug/kg	92.6	22.0	1	08/21/25 13:37	08/25/25 11:29	100-41-4	
Hexachloro-1,3-butadiene	<184	ug/kg	463	184	1	08/21/25 13:37	08/25/25 11:29	87-68-3	
Isopropylbenzene (Cumene)	<31.6	ug/kg	92.6	31.6	1	08/21/25 13:37	08/25/25 11:29	98-82-8	
Methyl-tert-butyl ether	<27.2	ug/kg	92.6	27.2	1	08/21/25 13:37	08/25/25 11:29	1634-04-4	
Methylene Chloride	<25.7	ug/kg	92.6	25.7	1	08/21/25 13:37	08/25/25 11:29	75-09-2	
Naphthalene	<38.9	ug/kg	463	38.9	1	08/21/25 13:37	08/25/25 11:29	91-20-3	
Styrene	<23.7	ug/kg	92.6	23.7	1	08/21/25 13:37	08/25/25 11:29	100-42-5	
Tetrachloroethene	<35.9	ug/kg	92.6	35.9	1	08/21/25 13:37	08/25/25 11:29	127-18-4	
Toluene	<29.3	ug/kg	92.6	29.3	1	08/21/25 13:37	08/25/25 11:29	108-88-3	
Trichloroethene	<34.6	ug/kg	92.6	34.6	1	08/21/25 13:37	08/25/25 11:29	79-01-6	
Trichlorofluoromethane	<26.8	ug/kg	92.6	26.8	1	08/21/25 13:37	08/25/25 11:29	75-69-4	
Vinyl chloride	<18.7	ug/kg	92.6	18.7	1	08/21/25 13:37	08/25/25 11:29	75-01-4	
cis-1,2-Dichloroethene	<19.8	ug/kg	92.6	19.8	1	08/21/25 13:37	08/25/25 11:29	156-59-2	
cis-1,3-Dichloropropene	<61.1	ug/kg	463	61.1	1	08/21/25 13:37	08/25/25 11:29	10061-01-5	
m&p-Xylene	<53.2	ug/kg	185	53.2	1	08/21/25 13:37	08/25/25 11:29	179601-23-1	
n-Butylbenzene	<52.0	ug/kg	92.6	52.0	1	08/21/25 13:37	08/25/25 11:29	104-51-8	
n-Propylbenzene	<30.2	ug/kg	92.6	30.2	1	08/21/25 13:37	08/25/25 11:29	103-65-1	
o-Xylene	<30.1	ug/kg	92.6	30.1	1	08/21/25 13:37	08/25/25 11:29	95-47-6	
p-Isopropyltoluene	<31.5	ug/kg	92.6	31.5	1	08/21/25 13:37	08/25/25 11:29	99-87-6	
sec-Butylbenzene	<38.1	ug/kg	92.6	38.1	1	08/21/25 13:37	08/25/25 11:29	135-98-8	
tert-Butylbenzene	<29.1	ug/kg	92.6	29.1	1	08/21/25 13:37	08/25/25 11:29	98-06-6	
trans-1,2-Dichloroethene	<20.2	ug/kg	92.6	20.2	1	08/21/25 13:37	08/25/25 11:29	156-60-5	
trans-1,3-Dichloropropene	<265	ug/kg	463	265	1	08/21/25 13:37	08/25/25 11:29	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	144	%	56-189		1	08/21/25 13:37	08/25/25 11:29	2199-69-1	
4-Bromofluorobenzene (S)	139	%	58-188		1	08/21/25 13:37	08/25/25 11:29	460-00-4	
Toluene-d8 (S)	155	%	70-172		1	08/21/25 13:37	08/25/25 11:29	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	29.9	%	0.10	0.10	1	08/21/25 11:57

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(8-10) Lab ID: 40300412006 Collected: 08/19/25 11:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<1.4	mg/kg	2.3	1.4	1	09/19/25 09:30	09/19/25 19:13	7440-38-2	
Barium	15.5	mg/kg	0.46	0.14	1	09/19/25 09:30	09/19/25 19:13	7440-39-3	
Cadmium	<0.12	mg/kg	0.46	0.12	1	09/19/25 09:30	09/19/25 19:13	7440-43-9	
Chromium	7.5	mg/kg	0.93	0.26	1	09/19/25 09:30	09/19/25 19:13	7440-47-3	
Lead	0.88J	mg/kg	1.9	0.56	1	09/19/25 09:30	09/19/25 19:13	7439-92-1	
Selenium	<1.2	mg/kg	3.7	1.2	1	09/19/25 09:30	09/19/25 19:13	7782-49-2	
Silver	<0.29	mg/kg	0.93	0.29	1	09/19/25 09:30	09/19/25 19:13	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.019	mg/kg	0.032	0.019	1	09/16/25 09:18	09/16/25 16:10	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<86.7	ug/kg	176	86.7	1	08/26/25 13:41	08/27/25 16:24	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	68	%	40-130		1	08/26/25 13:41	08/27/25 16:24	4165-60-0	
2-Fluorobiphenyl (S)	67	%	37-130		1	08/26/25 13:41	08/27/25 16:24	321-60-8	
Terphenyl-d14 (S)	70	%	46-132		1	08/26/25 13:41	08/27/25 16:24	1718-51-0	
Phenol-d6 (S)	67	%	34-130		1	08/26/25 13:41	08/27/25 16:24	13127-88-3	
2-Fluorophenol (S)	65	%	28-130		1	08/26/25 13:41	08/27/25 16:24	367-12-4	
2,4,6-Tribromophenol (S)	70	%	29-156		1	08/26/25 13:41	08/27/25 16:24	118-79-6	
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	08/26/25 08:00	08/26/25 18:01	83-32-9	
Acenaphthylene	<2.2	ug/kg	17.6	2.2	1	08/26/25 08:00	08/26/25 18:01	208-96-8	
Anthracene	<2.2	ug/kg	17.6	2.2	1	08/26/25 08:00	08/26/25 18:01	120-12-7	
Benzo(a)anthracene	<2.3	ug/kg	17.6	2.3	1	08/26/25 08:00	08/26/25 18:01	56-55-3	
Benzo(a)pyrene	<2.0	ug/kg	17.6	2.0	1	08/26/25 08:00	08/26/25 18:01	50-32-8	
Benzo(b)fluoranthene	<2.4	ug/kg	17.6	2.4	1	08/26/25 08:00	08/26/25 18:01	205-99-2	
Benzo(g,h,i)perylene	<3.1	ug/kg	17.6	3.1	1	08/26/25 08:00	08/26/25 18:01	191-24-2	
Benzo(k)fluoranthene	<2.3	ug/kg	17.6	2.3	1	08/26/25 08:00	08/26/25 18:01	207-08-9	
Chrysene	<3.3	ug/kg	17.6	3.3	1	08/26/25 08:00	08/26/25 18:01	218-01-9	
Dibenz(a,h)anthracene	<2.4	ug/kg	17.6	2.4	1	08/26/25 08:00	08/26/25 18:01	53-70-3	
Fluoranthene	<2.1	ug/kg	17.6	2.1	1	08/26/25 08:00	08/26/25 18:01	206-44-0	
Fluorene	<2.1	ug/kg	17.6	2.1	1	08/26/25 08:00	08/26/25 18:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.7	ug/kg	17.6	3.7	1	08/26/25 08:00	08/26/25 18:01	193-39-5	
1-Methylnaphthalene	<2.6	ug/kg	17.6	2.6	1	08/26/25 08:00	08/26/25 18:01	90-12-0	
2-Methylnaphthalene	<2.6	ug/kg	17.6	2.6	1	08/26/25 08:00	08/26/25 18:01	91-57-6	
Naphthalene	<1.7	ug/kg	17.6	1.7	1	08/26/25 08:00	08/26/25 18:01	91-20-3	
Phenanthrene	<2.0	ug/kg	17.6	2.0	1	08/26/25 08:00	08/26/25 18:01	85-01-8	
Pyrene	<2.6	ug/kg	17.6	2.6	1	08/26/25 08:00	08/26/25 18:01	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(8-10) Lab ID: 40300412006 Collected: 08/19/25 11:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	62	%	36-120		1	08/26/25 08:00	08/26/25 18:01	321-60-8	
Terphenyl-d14 (S)	72	%	36-120		1	08/26/25 08:00	08/26/25 18:01	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.3	ug/kg	55.4	13.3	1	08/21/25 13:37	08/25/25 11:49	630-20-6	
1,1,1-Trichloroethane	<14.2	ug/kg	55.4	14.2	1	08/21/25 13:37	08/25/25 11:49	71-55-6	
1,1,2,2-Tetrachloroethane	<20.0	ug/kg	55.4	20.0	1	08/21/25 13:37	08/25/25 11:49	79-34-5	
1,1,2-Trichloroethane	<20.2	ug/kg	55.4	20.2	1	08/21/25 13:37	08/25/25 11:49	79-00-5	
1,1-Dichloroethane	<14.2	ug/kg	55.4	14.2	1	08/21/25 13:37	08/25/25 11:49	75-34-3	
1,1-Dichloroethene	<18.4	ug/kg	55.4	18.4	1	08/21/25 13:37	08/25/25 11:49	75-35-4	
1,1-Dichloropropene	<17.9	ug/kg	55.4	17.9	1	08/21/25 13:37	08/25/25 11:49	563-58-6	
1,2,3-Trichlorobenzene	<61.7	ug/kg	277	61.7	1	08/21/25 13:37	08/25/25 11:49	87-61-6	
1,2,3-Trichloropropane	<26.9	ug/kg	55.4	26.9	1	08/21/25 13:37	08/25/25 11:49	96-18-4	
1,2,4-Trichlorobenzene	<45.6	ug/kg	277	45.6	1	08/21/25 13:37	08/25/25 11:49	120-82-1	
1,2,4-Trimethylbenzene	<16.5	ug/kg	55.4	16.5	1	08/21/25 13:37	08/25/25 11:49	95-63-6	
1,2-Dibromo-3-chloropropane	<43.0	ug/kg	277	43.0	1	08/21/25 13:37	08/25/25 11:49	96-12-8	
1,2-Dibromoethane (EDB)	<15.2	ug/kg	55.4	15.2	1	08/21/25 13:37	08/25/25 11:49	106-93-4	
1,2-Dichlorobenzene	<19.4	ug/kg	55.4	19.4	1	08/21/25 13:37	08/25/25 11:49	95-50-1	
1,2-Dichloroethane	<12.7	ug/kg	55.4	12.7	1	08/21/25 13:37	08/25/25 11:49	107-06-2	
1,2-Dichloropropane	<13.2	ug/kg	55.4	13.2	1	08/21/25 13:37	08/25/25 11:49	78-87-5	
1,3,5-Trimethylbenzene	<17.8	ug/kg	55.4	17.8	1	08/21/25 13:37	08/25/25 11:49	108-67-8	
1,3-Dichlorobenzene	<16.3	ug/kg	55.4	16.3	1	08/21/25 13:37	08/25/25 11:49	541-73-1	
1,3-Dichloropropane	<12.1	ug/kg	55.4	12.1	1	08/21/25 13:37	08/25/25 11:49	142-28-9	
1,4-Dichlorobenzene	<17.0	ug/kg	55.4	17.0	1	08/21/25 13:37	08/25/25 11:49	106-46-7	
2,2-Dichloropropane	<14.9	ug/kg	55.4	14.9	1	08/21/25 13:37	08/25/25 11:49	594-20-7	
2-Chlorotoluene	<17.9	ug/kg	55.4	17.9	1	08/21/25 13:37	08/25/25 11:49	95-49-8	
4-Chlorotoluene	<21.0	ug/kg	55.4	21.0	1	08/21/25 13:37	08/25/25 11:49	106-43-4	
Benzene	<13.2	ug/kg	22.1	13.2	1	08/21/25 13:37	08/25/25 11:49	71-43-2	
Bromobenzene	<21.6	ug/kg	55.4	21.6	1	08/21/25 13:37	08/25/25 11:49	108-86-1	
Bromochloromethane	<15.2	ug/kg	55.4	15.2	1	08/21/25 13:37	08/25/25 11:49	74-97-5	
Bromodichloromethane	<13.2	ug/kg	55.4	13.2	1	08/21/25 13:37	08/25/25 11:49	75-27-4	
Bromoform	<244	ug/kg	277	244	1	08/21/25 13:37	08/25/25 11:49	75-25-2	
Bromomethane	<77.6	ug/kg	277	77.6	1	08/21/25 13:37	08/25/25 11:49	74-83-9	
Carbon tetrachloride	<12.2	ug/kg	55.4	12.2	1	08/21/25 13:37	08/25/25 11:49	56-23-5	
Chlorobenzene	<6.6	ug/kg	55.4	6.6	1	08/21/25 13:37	08/25/25 11:49	108-90-7	
Chloroethane	<23.4	ug/kg	277	23.4	1	08/21/25 13:37	08/25/25 11:49	75-00-3	
Chloroform	<39.6	ug/kg	277	39.6	1	08/21/25 13:37	08/25/25 11:49	67-66-3	
Chloromethane	<21.0	ug/kg	55.4	21.0	1	08/21/25 13:37	08/25/25 11:49	74-87-3	
Dibromochloromethane	<189	ug/kg	277	189	1	08/21/25 13:37	08/25/25 11:49	124-48-1	
Dibromomethane	<16.4	ug/kg	55.4	16.4	1	08/21/25 13:37	08/25/25 11:49	74-95-3	
Dichlorodifluoromethane	<23.8	ug/kg	55.4	23.8	1	08/21/25 13:37	08/25/25 11:49	75-71-8	
Diisopropyl ether	<13.7	ug/kg	55.4	13.7	1	08/21/25 13:37	08/25/25 11:49	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(8-10) Lab ID: 40300412006 Collected: 08/19/25 11:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<13.2	ug/kg	55.4	13.2	1	08/21/25 13:37	08/25/25 11:49	100-41-4	
Hexachloro-1,3-butadiene	<110	ug/kg	277	110	1	08/21/25 13:37	08/25/25 11:49	87-68-3	
Isopropylbenzene (Cumene)	<18.9	ug/kg	55.4	18.9	1	08/21/25 13:37	08/25/25 11:49	98-82-8	
Methyl-tert-butyl ether	<16.3	ug/kg	55.4	16.3	1	08/21/25 13:37	08/25/25 11:49	1634-04-4	
Methylene Chloride	<15.4	ug/kg	55.4	15.4	1	08/21/25 13:37	08/25/25 11:49	75-09-2	
Naphthalene	<23.3	ug/kg	277	23.3	1	08/21/25 13:37	08/25/25 11:49	91-20-3	
Styrene	<14.2	ug/kg	55.4	14.2	1	08/21/25 13:37	08/25/25 11:49	100-42-5	
Tetrachloroethene	<21.5	ug/kg	55.4	21.5	1	08/21/25 13:37	08/25/25 11:49	127-18-4	
Toluene	<17.5	ug/kg	55.4	17.5	1	08/21/25 13:37	08/25/25 11:49	108-88-3	
Trichloroethene	<20.7	ug/kg	55.4	20.7	1	08/21/25 13:37	08/25/25 11:49	79-01-6	
Trichlorofluoromethane	<16.1	ug/kg	55.4	16.1	1	08/21/25 13:37	08/25/25 11:49	75-69-4	
Vinyl chloride	<11.2	ug/kg	55.4	11.2	1	08/21/25 13:37	08/25/25 11:49	75-01-4	
cis-1,2-Dichloroethene	<11.8	ug/kg	55.4	11.8	1	08/21/25 13:37	08/25/25 11:49	156-59-2	
cis-1,3-Dichloropropene	<36.5	ug/kg	277	36.5	1	08/21/25 13:37	08/25/25 11:49	10061-01-5	
m&p-Xylene	<31.8	ug/kg	111	31.8	1	08/21/25 13:37	08/25/25 11:49	179601-23-1	
n-Butylbenzene	<31.1	ug/kg	55.4	31.1	1	08/21/25 13:37	08/25/25 11:49	104-51-8	
n-Propylbenzene	<18.1	ug/kg	55.4	18.1	1	08/21/25 13:37	08/25/25 11:49	103-65-1	
o-Xylene	<18.0	ug/kg	55.4	18.0	1	08/21/25 13:37	08/25/25 11:49	95-47-6	
p-Isopropyltoluene	<18.8	ug/kg	55.4	18.8	1	08/21/25 13:37	08/25/25 11:49	99-87-6	
sec-Butylbenzene	<22.8	ug/kg	55.4	22.8	1	08/21/25 13:37	08/25/25 11:49	135-98-8	
tert-Butylbenzene	<17.4	ug/kg	55.4	17.4	1	08/21/25 13:37	08/25/25 11:49	98-06-6	
trans-1,2-Dichloroethene	<12.1	ug/kg	55.4	12.1	1	08/21/25 13:37	08/25/25 11:49	156-60-5	
trans-1,3-Dichloropropene	<158	ug/kg	277	158	1	08/21/25 13:37	08/25/25 11:49	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	115	%	56-189		1	08/21/25 13:37	08/25/25 11:49	2199-69-1	
4-Bromofluorobenzene (S)	113	%	58-188		1	08/21/25 13:37	08/25/25 11:49	460-00-4	
Toluene-d8 (S)	125	%	70-172		1	08/21/25 13:37	08/25/25 11:49	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	5.1	%	0.10	0.10	1	08/21/25 11:57

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(18-20) Lab ID: 40300412007 Collected: 08/19/25 11:45 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<3.1	mg/kg	5.3	3.1	2	09/19/25 09:30	09/23/25 12:53	7440-38-2	D3
Barium	45.2	mg/kg	1.1	0.32	2	09/19/25 09:30	09/23/25 12:53	7440-39-3	
Cadmium	<0.28	mg/kg	1.1	0.28	2	09/19/25 09:30	09/23/25 12:53	7440-43-9	D3
Chromium	25.0	mg/kg	2.1	0.58	2	09/19/25 09:30	09/23/25 12:53	7440-47-3	
Lead	3.9J	mg/kg	4.2	1.3	2	09/19/25 09:30	09/23/25 12:53	7439-92-1	D3
Selenium	<2.8	mg/kg	8.4	2.8	2	09/19/25 09:30	09/23/25 12:53	7782-49-2	D3
Silver	<0.64	mg/kg	2.1	0.64	2	09/19/25 09:30	09/23/25 12:53	7440-22-4	D3
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.021	mg/kg	0.036	0.021	1	09/16/25 09:18	09/16/25 16:12	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	1470	ug/kg	739	364	4	08/26/25 13:41	08/27/25 19:57	87-86-5	D3
Surrogates									
Nitrobenzene-d5 (S)	93	%	40-130		4	08/26/25 13:41	08/27/25 19:57	4165-60-0	
2-Fluorobiphenyl (S)	62	%	37-130		4	08/26/25 13:41	08/27/25 19:57	321-60-8	
Terphenyl-d14 (S)	65	%	46-132		4	08/26/25 13:41	08/27/25 19:57	1718-51-0	
Phenol-d6 (S)	68	%	34-130		4	08/26/25 13:41	08/27/25 19:57	13127-88-3	
2-Fluorophenol (S)	64	%	28-130		4	08/26/25 13:41	08/27/25 19:57	367-12-4	
2,4,6-Tribromophenol (S)	63	%	29-156		4	08/26/25 13:41	08/27/25 19:57	118-79-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	14.0J	ug/kg	92.5	12.0	5	08/26/25 08:00	08/27/25 15:29	83-32-9	
Acenaphthylene	<11.7	ug/kg	92.5	11.7	5	08/26/25 08:00	08/27/25 15:29	208-96-8	
Anthracene	<11.5	ug/kg	92.5	11.5	5	08/26/25 08:00	08/27/25 15:29	120-12-7	
Benzo(a)anthracene	<11.9	ug/kg	92.5	11.9	5	08/26/25 08:00	08/27/25 15:29	56-55-3	
Benzo(a)pyrene	<10.5	ug/kg	92.5	10.5	5	08/26/25 08:00	08/27/25 15:29	50-32-8	
Benzo(b)fluoranthene	<12.8	ug/kg	92.5	12.8	5	08/26/25 08:00	08/27/25 15:29	205-99-2	
Benzo(g,h,i)perylene	<16.2	ug/kg	92.5	16.2	5	08/26/25 08:00	08/27/25 15:29	191-24-2	
Benzo(k)fluoranthene	<11.8	ug/kg	92.5	11.8	5	08/26/25 08:00	08/27/25 15:29	207-08-9	
Chrysene	<17.4	ug/kg	92.5	17.4	5	08/26/25 08:00	08/27/25 15:29	218-01-9	
Dibenz(a,h)anthracene	<12.8	ug/kg	92.5	12.8	5	08/26/25 08:00	08/27/25 15:29	53-70-3	
Fluoranthene	<10.9	ug/kg	92.5	10.9	5	08/26/25 08:00	08/27/25 15:29	206-44-0	
Fluorene	<11.1	ug/kg	92.5	11.1	5	08/26/25 08:00	08/27/25 15:29	86-73-7	
Indeno(1,2,3-cd)pyrene	<19.3	ug/kg	92.5	19.3	5	08/26/25 08:00	08/27/25 15:29	193-39-5	
1-Methylnaphthalene	559	ug/kg	92.5	13.5	5	08/26/25 08:00	08/27/25 15:29	90-12-0	
2-Methylnaphthalene	890	ug/kg	92.5	13.5	5	08/26/25 08:00	08/27/25 15:29	91-57-6	
Naphthalene	1470	ug/kg	92.5	9.0	5	08/26/25 08:00	08/27/25 15:29	91-20-3	
Phenanthrene	38.5J	ug/kg	92.5	10.6	5	08/26/25 08:00	08/27/25 15:29	85-01-8	
Pyrene	<13.6	ug/kg	92.5	13.6	5	08/26/25 08:00	08/27/25 15:29	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(18-20) Lab ID: 40300412007 Collected: 08/19/25 11:45 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	68	%	36-120		5	08/26/25 08:00	08/27/25 15:29	321-60-8	
Terphenyl-d14 (S)	73	%	36-120		5	08/26/25 08:00	08/27/25 15:29	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<364	ug/kg	1520	364	25	08/21/25 13:37	08/25/25 12:48	630-20-6	
1,1,1-Trichloroethane	<389	ug/kg	1520	389	25	08/21/25 13:37	08/25/25 12:48	71-55-6	
1,1,2,2-Tetrachloroethane	<550	ug/kg	1520	550	25	08/21/25 13:37	08/25/25 12:48	79-34-5	
1,1,2-Trichloroethane	<553	ug/kg	1520	553	25	08/21/25 13:37	08/25/25 12:48	79-00-5	
1,1-Dichloroethane	<389	ug/kg	1520	389	25	08/21/25 13:37	08/25/25 12:48	75-34-3	
1,1-Dichloroethene	<504	ug/kg	1520	504	25	08/21/25 13:37	08/25/25 12:48	75-35-4	
1,1-Dichloropropene	<492	ug/kg	1520	492	25	08/21/25 13:37	08/25/25 12:48	563-58-6	
1,2,3-Trichlorobenzene	<1690	ug/kg	7600	1690	25	08/21/25 13:37	08/25/25 12:48	87-61-6	
1,2,3-Trichloropropane	<738	ug/kg	1520	738	25	08/21/25 13:37	08/25/25 12:48	96-18-4	
1,2,4-Trichlorobenzene	<1250	ug/kg	7600	1250	25	08/21/25 13:37	08/25/25 12:48	120-82-1	
1,2,4-Trimethylbenzene	134000	ug/kg	1520	453	25	08/21/25 13:37	08/25/25 12:48	95-63-6	
1,2-Dibromo-3-chloropropane	<1180	ug/kg	7600	1180	25	08/21/25 13:37	08/25/25 12:48	96-12-8	
1,2-Dibromoethane (EDB)	<416	ug/kg	1520	416	25	08/21/25 13:37	08/25/25 12:48	106-93-4	
1,2-Dichlorobenzene	<532	ug/kg	1520	532	25	08/21/25 13:37	08/25/25 12:48	95-50-1	
1,2-Dichloroethane	<349	ug/kg	1520	349	25	08/21/25 13:37	08/25/25 12:48	107-06-2	
1,2-Dichloropropane	<362	ug/kg	1520	362	25	08/21/25 13:37	08/25/25 12:48	78-87-5	
1,3,5-Trimethylbenzene	<489	ug/kg	1520	489	25	08/21/25 13:37	08/25/25 12:48	108-67-8	
1,3-Dichlorobenzene	<447	ug/kg	1520	447	25	08/21/25 13:37	08/25/25 12:48	541-73-1	
1,3-Dichloropropane	<331	ug/kg	1520	331	25	08/21/25 13:37	08/25/25 12:48	142-28-9	
1,4-Dichlorobenzene	<467	ug/kg	1520	467	25	08/21/25 13:37	08/25/25 12:48	106-46-7	
2,2-Dichloropropane	<410	ug/kg	1520	410	25	08/21/25 13:37	08/25/25 12:48	594-20-7	
2-Chlorotoluene	<492	ug/kg	1520	492	25	08/21/25 13:37	08/25/25 12:48	95-49-8	
4-Chlorotoluene	<577	ug/kg	1520	577	25	08/21/25 13:37	08/25/25 12:48	106-43-4	
Benzene	<362	ug/kg	608	362	25	08/21/25 13:37	08/25/25 12:48	71-43-2	
Bromobenzene	<593	ug/kg	1520	593	25	08/21/25 13:37	08/25/25 12:48	108-86-1	
Bromochloromethane	<416	ug/kg	1520	416	25	08/21/25 13:37	08/25/25 12:48	74-97-5	
Bromodichloromethane	<362	ug/kg	1520	362	25	08/21/25 13:37	08/25/25 12:48	75-27-4	
Bromoform	<6690	ug/kg	7600	6690	25	08/21/25 13:37	08/25/25 12:48	75-25-2	
Bromomethane	<2130	ug/kg	7600	2130	25	08/21/25 13:37	08/25/25 12:48	74-83-9	
Carbon tetrachloride	<334	ug/kg	1520	334	25	08/21/25 13:37	08/25/25 12:48	56-23-5	
Chlorobenzene	<182	ug/kg	1520	182	25	08/21/25 13:37	08/25/25 12:48	108-90-7	
Chloroethane	<641	ug/kg	7600	641	25	08/21/25 13:37	08/25/25 12:48	75-00-3	
Chloroform	<1090	ug/kg	7600	1090	25	08/21/25 13:37	08/25/25 12:48	67-66-3	
Chloromethane	<577	ug/kg	1520	577	25	08/21/25 13:37	08/25/25 12:48	74-87-3	
Dibromochloromethane	<5190	ug/kg	7600	5190	25	08/21/25 13:37	08/25/25 12:48	124-48-1	
Dibromomethane	<450	ug/kg	1520	450	25	08/21/25 13:37	08/25/25 12:48	74-95-3	
Dichlorodifluoromethane	<653	ug/kg	1520	653	25	08/21/25 13:37	08/25/25 12:48	75-71-8	
Diisopropyl ether	<377	ug/kg	1520	377	25	08/21/25 13:37	08/25/25 12:48	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-3(18-20) Lab ID: 40300412007 Collected: 08/19/25 11:45 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	395J	ug/kg	1520	362	25	08/21/25 13:37	08/25/25 12:48	100-41-4	
Hexachloro-1,3-butadiene	<3020	ug/kg	7600	3020	25	08/21/25 13:37	08/25/25 12:48	87-68-3	
Isopropylbenzene (Cumene)	3120	ug/kg	1520	519	25	08/21/25 13:37	08/25/25 12:48	98-82-8	
Methyl-tert-butyl ether	<447	ug/kg	1520	447	25	08/21/25 13:37	08/25/25 12:48	1634-04-4	
Methylene Chloride	<422	ug/kg	1520	422	25	08/21/25 13:37	08/25/25 12:48	75-09-2	
Naphthalene	6620J	ug/kg	7600	639	25	08/21/25 13:37	08/25/25 12:48	91-20-3	
Styrene	<389	ug/kg	1520	389	25	08/21/25 13:37	08/25/25 12:48	100-42-5	
Tetrachloroethene	<589	ug/kg	1520	589	25	08/21/25 13:37	08/25/25 12:48	127-18-4	
Toluene	<481	ug/kg	1520	481	25	08/21/25 13:37	08/25/25 12:48	108-88-3	
Trichloroethene	<568	ug/kg	1520	568	25	08/21/25 13:37	08/25/25 12:48	79-01-6	
Trichlorofluoromethane	<441	ug/kg	1520	441	25	08/21/25 13:37	08/25/25 12:48	75-69-4	
Vinyl chloride	<307	ug/kg	1520	307	25	08/21/25 13:37	08/25/25 12:48	75-01-4	
cis-1,2-Dichloroethene	<325	ug/kg	1520	325	25	08/21/25 13:37	08/25/25 12:48	156-59-2	
cis-1,3-Dichloropropene	<1000	ug/kg	7600	1000	25	08/21/25 13:37	08/25/25 12:48	10061-01-5	
m&p-Xylene	<873	ug/kg	3040	873	25	08/21/25 13:37	08/25/25 12:48	179601-23-1	
n-Butylbenzene	21600	ug/kg	1520	853	25	08/21/25 13:37	08/25/25 12:48	104-51-8	
n-Propylbenzene	9610	ug/kg	1520	496	25	08/21/25 13:37	08/25/25 12:48	103-65-1	
o-Xylene	4710	ug/kg	1520	495	25	08/21/25 13:37	08/25/25 12:48	95-47-6	
p-Isopropyltoluene	11300	ug/kg	1520	517	25	08/21/25 13:37	08/25/25 12:48	99-87-6	
sec-Butylbenzene	10900	ug/kg	1520	624	25	08/21/25 13:37	08/25/25 12:48	135-98-8	
tert-Butylbenzene	2540	ug/kg	1520	477	25	08/21/25 13:37	08/25/25 12:48	98-06-6	
trans-1,2-Dichloroethene	<332	ug/kg	1520	332	25	08/21/25 13:37	08/25/25 12:48	156-60-5	
trans-1,3-Dichloropropene	<4350	ug/kg	7600	4350	25	08/21/25 13:37	08/25/25 12:48	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	236	%	56-189		25	08/21/25 13:37	08/25/25 12:48	2199-69-1	S4
4-Bromofluorobenzene (S)	103	%	58-188		25	08/21/25 13:37	08/25/25 12:48	460-00-4	S4
Toluene-d8 (S)	118	%	70-172		25	08/21/25 13:37	08/25/25 12:48	2037-26-5	S4

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	9.7	%	0.10	0.10	1	08/21/25 11:58

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(2-3) Lab ID: 40300412008 Collected: 08/19/25 12:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:17	7440-38-2	
Barium	30.1	mg/kg	0.54	0.16	1	09/19/25 09:30	09/19/25 19:17	7440-39-3	
Cadmium	<0.14	mg/kg	0.54	0.14	1	09/19/25 09:30	09/19/25 19:17	7440-43-9	
Chromium	14.1	mg/kg	1.1	0.30	1	09/19/25 09:30	09/19/25 19:17	7440-47-3	
Lead	2.8	mg/kg	2.2	0.65	1	09/19/25 09:30	09/19/25 19:17	7439-92-1	
Selenium	<1.4	mg/kg	4.3	1.4	1	09/19/25 09:30	09/19/25 19:17	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	09/19/25 09:30	09/19/25 19:17	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.024	mg/kg	0.040	0.024	1	09/16/25 09:18	09/16/25 16:15	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<101	ug/kg	206	101	1	08/26/25 13:41	08/27/25 16:45	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	64	%	40-130		1	08/26/25 13:41	08/27/25 16:45	4165-60-0	
2-Fluorobiphenyl (S)	57	%	37-130		1	08/26/25 13:41	08/27/25 16:45	321-60-8	
Terphenyl-d14 (S)	64	%	46-132		1	08/26/25 13:41	08/27/25 16:45	1718-51-0	
Phenol-d6 (S)	63	%	34-130		1	08/26/25 13:41	08/27/25 16:45	13127-88-3	
2-Fluorophenol (S)	61	%	28-130		1	08/26/25 13:41	08/27/25 16:45	367-12-4	
2,4,6-Tribromophenol (S)	65	%	29-156		1	08/26/25 13:41	08/27/25 16:45	118-79-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.7	ug/kg	20.5	2.7	1	08/26/25 08:00	08/26/25 18:31	83-32-9	
Acenaphthylene	<2.6	ug/kg	20.5	2.6	1	08/26/25 08:00	08/26/25 18:31	208-96-8	
Anthracene	<2.5	ug/kg	20.5	2.5	1	08/26/25 08:00	08/26/25 18:31	120-12-7	
Benzo(a)anthracene	<2.7	ug/kg	20.5	2.7	1	08/26/25 08:00	08/26/25 18:31	56-55-3	
Benzo(a)pyrene	<2.3	ug/kg	20.5	2.3	1	08/26/25 08:00	08/26/25 18:31	50-32-8	
Benzo(b)fluoranthene	<2.9	ug/kg	20.5	2.9	1	08/26/25 08:00	08/26/25 18:31	205-99-2	
Benzo(g,h,i)perylene	<3.6	ug/kg	20.5	3.6	1	08/26/25 08:00	08/26/25 18:31	191-24-2	
Benzo(k)fluoranthene	<2.6	ug/kg	20.5	2.6	1	08/26/25 08:00	08/26/25 18:31	207-08-9	
Chrysene	<3.9	ug/kg	20.5	3.9	1	08/26/25 08:00	08/26/25 18:31	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	20.5	2.8	1	08/26/25 08:00	08/26/25 18:31	53-70-3	
Fluoranthene	<2.4	ug/kg	20.5	2.4	1	08/26/25 08:00	08/26/25 18:31	206-44-0	
Fluorene	<2.5	ug/kg	20.5	2.5	1	08/26/25 08:00	08/26/25 18:31	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.3	ug/kg	20.5	4.3	1	08/26/25 08:00	08/26/25 18:31	193-39-5	
1-Methylnaphthalene	<3.0	ug/kg	20.5	3.0	1	08/26/25 08:00	08/26/25 18:31	90-12-0	
2-Methylnaphthalene	<3.0	ug/kg	20.5	3.0	1	08/26/25 08:00	08/26/25 18:31	91-57-6	
Naphthalene	<2.0	ug/kg	20.5	2.0	1	08/26/25 08:00	08/26/25 18:31	91-20-3	
Phenanthrene	<2.4	ug/kg	20.5	2.4	1	08/26/25 08:00	08/26/25 18:31	85-01-8	
Pyrene	<3.0	ug/kg	20.5	3.0	1	08/26/25 08:00	08/26/25 18:31	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(2-3) Lab ID: 40300412008 Collected: 08/19/25 12:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	43	%	36-120		1	08/26/25 08:00	08/26/25 18:31	321-60-8	
Terphenyl-d14 (S)	59	%	36-120		1	08/26/25 08:00	08/26/25 18:31	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<17.5	ug/kg	73.0	17.5	1	08/21/25 13:37	08/25/25 12:09	630-20-6	
1,1,1-Trichloroethane	<18.7	ug/kg	73.0	18.7	1	08/21/25 13:37	08/25/25 12:09	71-55-6	
1,1,2,2-Tetrachloroethane	<26.4	ug/kg	73.0	26.4	1	08/21/25 13:37	08/25/25 12:09	79-34-5	
1,1,2-Trichloroethane	<26.6	ug/kg	73.0	26.6	1	08/21/25 13:37	08/25/25 12:09	79-00-5	
1,1-Dichloroethane	<18.7	ug/kg	73.0	18.7	1	08/21/25 13:37	08/25/25 12:09	75-34-3	
1,1-Dichloroethene	<24.2	ug/kg	73.0	24.2	1	08/21/25 13:37	08/25/25 12:09	75-35-4	
1,1-Dichloropropene	<23.7	ug/kg	73.0	23.7	1	08/21/25 13:37	08/25/25 12:09	563-58-6	
1,2,3-Trichlorobenzene	<81.4	ug/kg	365	81.4	1	08/21/25 13:37	08/25/25 12:09	87-61-6	
1,2,3-Trichloropropane	<35.5	ug/kg	73.0	35.5	1	08/21/25 13:37	08/25/25 12:09	96-18-4	
1,2,4-Trichlorobenzene	<60.2	ug/kg	365	60.2	1	08/21/25 13:37	08/25/25 12:09	120-82-1	
1,2,4-Trimethylbenzene	<21.8	ug/kg	73.0	21.8	1	08/21/25 13:37	08/25/25 12:09	95-63-6	
1,2-Dibromo-3-chloropropane	<56.7	ug/kg	365	56.7	1	08/21/25 13:37	08/25/25 12:09	96-12-8	
1,2-Dibromoethane (EDB)	<20.0	ug/kg	73.0	20.0	1	08/21/25 13:37	08/25/25 12:09	106-93-4	
1,2-Dichlorobenzene	<25.6	ug/kg	73.0	25.6	1	08/21/25 13:37	08/25/25 12:09	95-50-1	
1,2-Dichloroethane	<16.8	ug/kg	73.0	16.8	1	08/21/25 13:37	08/25/25 12:09	107-06-2	
1,2-Dichloropropane	<17.4	ug/kg	73.0	17.4	1	08/21/25 13:37	08/25/25 12:09	78-87-5	
1,3,5-Trimethylbenzene	<23.5	ug/kg	73.0	23.5	1	08/21/25 13:37	08/25/25 12:09	108-67-8	
1,3-Dichlorobenzene	<21.5	ug/kg	73.0	21.5	1	08/21/25 13:37	08/25/25 12:09	541-73-1	
1,3-Dichloropropane	<15.9	ug/kg	73.0	15.9	1	08/21/25 13:37	08/25/25 12:09	142-28-9	
1,4-Dichlorobenzene	<22.4	ug/kg	73.0	22.4	1	08/21/25 13:37	08/25/25 12:09	106-46-7	
2,2-Dichloropropane	<19.7	ug/kg	73.0	19.7	1	08/21/25 13:37	08/25/25 12:09	594-20-7	
2-Chlorotoluene	<23.7	ug/kg	73.0	23.7	1	08/21/25 13:37	08/25/25 12:09	95-49-8	
4-Chlorotoluene	<27.8	ug/kg	73.0	27.8	1	08/21/25 13:37	08/25/25 12:09	106-43-4	
Benzene	<17.4	ug/kg	29.2	17.4	1	08/21/25 13:37	08/25/25 12:09	71-43-2	
Bromobenzene	<28.5	ug/kg	73.0	28.5	1	08/21/25 13:37	08/25/25 12:09	108-86-1	
Bromochloromethane	<20.0	ug/kg	73.0	20.0	1	08/21/25 13:37	08/25/25 12:09	74-97-5	
Bromodichloromethane	<17.4	ug/kg	73.0	17.4	1	08/21/25 13:37	08/25/25 12:09	75-27-4	
Bromoform	<321	ug/kg	365	321	1	08/21/25 13:37	08/25/25 12:09	75-25-2	
Bromomethane	<102	ug/kg	365	102	1	08/21/25 13:37	08/25/25 12:09	74-83-9	
Carbon tetrachloride	<16.1	ug/kg	73.0	16.1	1	08/21/25 13:37	08/25/25 12:09	56-23-5	
Chlorobenzene	<8.7	ug/kg	73.0	8.7	1	08/21/25 13:37	08/25/25 12:09	108-90-7	
Chloroethane	<30.8	ug/kg	365	30.8	1	08/21/25 13:37	08/25/25 12:09	75-00-3	
Chloroform	<52.3	ug/kg	365	52.3	1	08/21/25 13:37	08/25/25 12:09	67-66-3	
Chloromethane	<27.8	ug/kg	73.0	27.8	1	08/21/25 13:37	08/25/25 12:09	74-87-3	
Dibromochloromethane	<250	ug/kg	365	250	1	08/21/25 13:37	08/25/25 12:09	124-48-1	
Dibromomethane	<21.6	ug/kg	73.0	21.6	1	08/21/25 13:37	08/25/25 12:09	74-95-3	
Dichlorodifluoromethane	<31.4	ug/kg	73.0	31.4	1	08/21/25 13:37	08/25/25 12:09	75-71-8	
Diisopropyl ether	<18.1	ug/kg	73.0	18.1	1	08/21/25 13:37	08/25/25 12:09	108-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(2-3) Lab ID: 40300412008 Collected: 08/19/25 12:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<17.4	ug/kg	73.0	17.4	1	08/21/25 13:37	08/25/25 12:09	100-41-4	
Hexachloro-1,3-butadiene	<145	ug/kg	365	145	1	08/21/25 13:37	08/25/25 12:09	87-68-3	
Isopropylbenzene (Cumene)	<25.0	ug/kg	73.0	25.0	1	08/21/25 13:37	08/25/25 12:09	98-82-8	
Methyl-tert-butyl ether	<21.5	ug/kg	73.0	21.5	1	08/21/25 13:37	08/25/25 12:09	1634-04-4	
Methylene Chloride	<20.3	ug/kg	73.0	20.3	1	08/21/25 13:37	08/25/25 12:09	75-09-2	
Naphthalene	<30.7	ug/kg	365	30.7	1	08/21/25 13:37	08/25/25 12:09	91-20-3	
Styrene	<18.7	ug/kg	73.0	18.7	1	08/21/25 13:37	08/25/25 12:09	100-42-5	
Tetrachloroethene	<28.3	ug/kg	73.0	28.3	1	08/21/25 13:37	08/25/25 12:09	127-18-4	
Toluene	<23.1	ug/kg	73.0	23.1	1	08/21/25 13:37	08/25/25 12:09	108-88-3	
Trichloroethene	<27.3	ug/kg	73.0	27.3	1	08/21/25 13:37	08/25/25 12:09	79-01-6	
Trichlorofluoromethane	<21.2	ug/kg	73.0	21.2	1	08/21/25 13:37	08/25/25 12:09	75-69-4	
Vinyl chloride	<14.8	ug/kg	73.0	14.8	1	08/21/25 13:37	08/25/25 12:09	75-01-4	
cis-1,2-Dichloroethene	<15.6	ug/kg	73.0	15.6	1	08/21/25 13:37	08/25/25 12:09	156-59-2	
cis-1,3-Dichloropropene	<48.2	ug/kg	365	48.2	1	08/21/25 13:37	08/25/25 12:09	10061-01-5	
m&p-Xylene	<42.0	ug/kg	146	42.0	1	08/21/25 13:37	08/25/25 12:09	179601-23-1	
n-Butylbenzene	<41.0	ug/kg	73.0	41.0	1	08/21/25 13:37	08/25/25 12:09	104-51-8	
n-Propylbenzene	<23.8	ug/kg	73.0	23.8	1	08/21/25 13:37	08/25/25 12:09	103-65-1	
o-Xylene	<23.8	ug/kg	73.0	23.8	1	08/21/25 13:37	08/25/25 12:09	95-47-6	
p-Isopropyltoluene	<24.8	ug/kg	73.0	24.8	1	08/21/25 13:37	08/25/25 12:09	99-87-6	
sec-Butylbenzene	<30.0	ug/kg	73.0	30.0	1	08/21/25 13:37	08/25/25 12:09	135-98-8	
tert-Butylbenzene	<22.9	ug/kg	73.0	22.9	1	08/21/25 13:37	08/25/25 12:09	98-06-6	
trans-1,2-Dichloroethene	<16.0	ug/kg	73.0	16.0	1	08/21/25 13:37	08/25/25 12:09	156-60-5	
trans-1,3-Dichloropropene	<209	ug/kg	365	209	1	08/21/25 13:37	08/25/25 12:09	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	122	%	56-189		1	08/21/25 13:37	08/25/25 12:09	2199-69-1	
4-Bromofluorobenzene (S)	121	%	58-188		1	08/21/25 13:37	08/25/25 12:09	460-00-4	
Toluene-d8 (S)	132	%	70-172		1	08/21/25 13:37	08/25/25 12:09	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	18.7	%	0.10	0.10	1		08/21/25 11:58		

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(3-5) Lab ID: 40300412009 Collected: 08/19/25 12:35 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:19	7440-38-2	
Barium	24.5	mg/kg	0.49	0.15	1	09/19/25 09:30	09/19/25 19:19	7440-39-3	
Cadmium	<0.13	mg/kg	0.49	0.13	1	09/19/25 09:30	09/19/25 19:19	7440-43-9	
Chromium	13.8	mg/kg	0.97	0.27	1	09/19/25 09:30	09/19/25 19:19	7440-47-3	
Lead	1.9J	mg/kg	1.9	0.58	1	09/19/25 09:30	09/19/25 19:19	7439-92-1	
Selenium	<1.3	mg/kg	3.9	1.3	1	09/19/25 09:30	09/19/25 19:19	7782-49-2	
Silver	<0.30	mg/kg	0.97	0.30	1	09/19/25 09:30	09/19/25 19:19	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.020	mg/kg	0.033	0.020	1	09/16/25 09:18	09/16/25 16:17	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<85.6	ug/kg	174	85.6	1	08/26/25 13:41	08/27/25 17:07	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	66	%	40-130		1	08/26/25 13:41	08/27/25 17:07	4165-60-0	
2-Fluorobiphenyl (S)	66	%	37-130		1	08/26/25 13:41	08/27/25 17:07	321-60-8	
Terphenyl-d14 (S)	69	%	46-132		1	08/26/25 13:41	08/27/25 17:07	1718-51-0	
Phenol-d6 (S)	66	%	34-130		1	08/26/25 13:41	08/27/25 17:07	13127-88-3	
2-Fluorophenol (S)	63	%	28-130		1	08/26/25 13:41	08/27/25 17:07	367-12-4	
2,4,6-Tribromophenol (S)	68	%	29-156		1	08/26/25 13:41	08/27/25 17:07	118-79-6	
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	08/26/25 08:00	08/26/25 18:47	83-32-9	
Acenaphthylene	<2.2	ug/kg	17.4	2.2	1	08/26/25 08:00	08/26/25 18:47	208-96-8	
Anthracene	<2.2	ug/kg	17.4	2.2	1	08/26/25 08:00	08/26/25 18:47	120-12-7	
Benzo(a)anthracene	<2.3	ug/kg	17.4	2.3	1	08/26/25 08:00	08/26/25 18:47	56-55-3	
Benzo(a)pyrene	<2.0	ug/kg	17.4	2.0	1	08/26/25 08:00	08/26/25 18:47	50-32-8	
Benzo(b)fluoranthene	<2.4	ug/kg	17.4	2.4	1	08/26/25 08:00	08/26/25 18:47	205-99-2	
Benzo(g,h,i)perylene	<3.1	ug/kg	17.4	3.1	1	08/26/25 08:00	08/26/25 18:47	191-24-2	
Benzo(k)fluoranthene	<2.2	ug/kg	17.4	2.2	1	08/26/25 08:00	08/26/25 18:47	207-08-9	
Chrysene	<3.3	ug/kg	17.4	3.3	1	08/26/25 08:00	08/26/25 18:47	218-01-9	
Dibenz(a,h)anthracene	<2.4	ug/kg	17.4	2.4	1	08/26/25 08:00	08/26/25 18:47	53-70-3	
Fluoranthene	<2.1	ug/kg	17.4	2.1	1	08/26/25 08:00	08/26/25 18:47	206-44-0	
Fluorene	<2.1	ug/kg	17.4	2.1	1	08/26/25 08:00	08/26/25 18:47	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.6	ug/kg	17.4	3.6	1	08/26/25 08:00	08/26/25 18:47	193-39-5	
1-Methylnaphthalene	<2.5	ug/kg	17.4	2.5	1	08/26/25 08:00	08/26/25 18:47	90-12-0	
2-Methylnaphthalene	<2.5	ug/kg	17.4	2.5	1	08/26/25 08:00	08/26/25 18:47	91-57-6	
Naphthalene	<1.7	ug/kg	17.4	1.7	1	08/26/25 08:00	08/26/25 18:47	91-20-3	
Phenanthrene	<2.0	ug/kg	17.4	2.0	1	08/26/25 08:00	08/26/25 18:47	85-01-8	
Pyrene	<2.6	ug/kg	17.4	2.6	1	08/26/25 08:00	08/26/25 18:47	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(3-5) Lab ID: 40300412009 Collected: 08/19/25 12:35 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	60	%	36-120		1	08/26/25 08:00	08/26/25 18:47	321-60-8	
Terphenyl-d14 (S)	71	%	36-120		1	08/26/25 08:00	08/26/25 18:47	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.0	ug/kg	54.3	13.0	1	08/22/25 12:03	08/23/25 03:23	630-20-6	
1,1,1-Trichloroethane	<13.9	ug/kg	54.3	13.9	1	08/22/25 12:03	08/23/25 03:23	71-55-6	
1,1,2,2-Tetrachloroethane	<19.7	ug/kg	54.3	19.7	1	08/22/25 12:03	08/23/25 03:23	79-34-5	
1,1,2-Trichloroethane	<19.8	ug/kg	54.3	19.8	1	08/22/25 12:03	08/23/25 03:23	79-00-5	
1,1-Dichloroethane	<13.9	ug/kg	54.3	13.9	1	08/22/25 12:03	08/23/25 03:23	75-34-3	
1,1-Dichloroethene	<18.0	ug/kg	54.3	18.0	1	08/22/25 12:03	08/23/25 03:23	75-35-4	
1,1-Dichloropropene	<17.6	ug/kg	54.3	17.6	1	08/22/25 12:03	08/23/25 03:23	563-58-6	
1,2,3-Trichlorobenzene	<60.5	ug/kg	271	60.5	1	08/22/25 12:03	08/23/25 03:23	87-61-6	v2
1,2,3-Trichloropropane	<26.4	ug/kg	54.3	26.4	1	08/22/25 12:03	08/23/25 03:23	96-18-4	
1,2,4-Trichlorobenzene	<44.7	ug/kg	271	44.7	1	08/22/25 12:03	08/23/25 03:23	120-82-1	
1,2,4-Trimethylbenzene	<16.2	ug/kg	54.3	16.2	1	08/22/25 12:03	08/23/25 03:23	95-63-6	
1,2-Dibromo-3-chloropropane	<42.1	ug/kg	271	42.1	1	08/22/25 12:03	08/23/25 03:23	96-12-8	
1,2-Dibromoethane (EDB)	<14.9	ug/kg	54.3	14.9	1	08/22/25 12:03	08/23/25 03:23	106-93-4	
1,2-Dichlorobenzene	<19.0	ug/kg	54.3	19.0	1	08/22/25 12:03	08/23/25 03:23	95-50-1	
1,2-Dichloroethane	<12.5	ug/kg	54.3	12.5	1	08/22/25 12:03	08/23/25 03:23	107-06-2	
1,2-Dichloropropane	<12.9	ug/kg	54.3	12.9	1	08/22/25 12:03	08/23/25 03:23	78-87-5	
1,3,5-Trimethylbenzene	<17.5	ug/kg	54.3	17.5	1	08/22/25 12:03	08/23/25 03:23	108-67-8	
1,3-Dichlorobenzene	<16.0	ug/kg	54.3	16.0	1	08/22/25 12:03	08/23/25 03:23	541-73-1	
1,3-Dichloropropane	<11.8	ug/kg	54.3	11.8	1	08/22/25 12:03	08/23/25 03:23	142-28-9	
1,4-Dichlorobenzene	<16.7	ug/kg	54.3	16.7	1	08/22/25 12:03	08/23/25 03:23	106-46-7	
2,2-Dichloropropane	<14.7	ug/kg	54.3	14.7	1	08/22/25 12:03	08/23/25 03:23	594-20-7	
2-Chlorotoluene	<17.6	ug/kg	54.3	17.6	1	08/22/25 12:03	08/23/25 03:23	95-49-8	
4-Chlorotoluene	<20.6	ug/kg	54.3	20.6	1	08/22/25 12:03	08/23/25 03:23	106-43-4	
Benzene	<12.9	ug/kg	21.7	12.9	1	08/22/25 12:03	08/23/25 03:23	71-43-2	
Bromobenzene	<21.2	ug/kg	54.3	21.2	1	08/22/25 12:03	08/23/25 03:23	108-86-1	
Bromochloromethane	<14.9	ug/kg	54.3	14.9	1	08/22/25 12:03	08/23/25 03:23	74-97-5	
Bromodichloromethane	<12.9	ug/kg	54.3	12.9	1	08/22/25 12:03	08/23/25 03:23	75-27-4	
Bromoform	<239	ug/kg	271	239	1	08/22/25 12:03	08/23/25 03:23	75-25-2	
Bromomethane	<76.1	ug/kg	271	76.1	1	08/22/25 12:03	08/23/25 03:23	74-83-9	
Carbon tetrachloride	<11.9	ug/kg	54.3	11.9	1	08/22/25 12:03	08/23/25 03:23	56-23-5	
Chlorobenzene	<6.5	ug/kg	54.3	6.5	1	08/22/25 12:03	08/23/25 03:23	108-90-7	
Chloroethane	<22.9	ug/kg	271	22.9	1	08/22/25 12:03	08/23/25 03:23	75-00-3	
Chloroform	<38.9	ug/kg	271	38.9	1	08/22/25 12:03	08/23/25 03:23	67-66-3	
Chloromethane	<20.6	ug/kg	54.3	20.6	1	08/22/25 12:03	08/23/25 03:23	74-87-3	
Dibromochloromethane	<186	ug/kg	271	186	1	08/22/25 12:03	08/23/25 03:23	124-48-1	
Dibromomethane	<16.1	ug/kg	54.3	16.1	1	08/22/25 12:03	08/23/25 03:23	74-95-3	
Dichlorodifluoromethane	<23.3	ug/kg	54.3	23.3	1	08/22/25 12:03	08/23/25 03:23	75-71-8	
Diisopropyl ether	<13.5	ug/kg	54.3	13.5	1	08/22/25 12:03	08/23/25 03:23	108-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(3-5) Lab ID: 40300412009 Collected: 08/19/25 12:35 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<12.9	ug/kg	54.3	12.9	1	08/22/25 12:03	08/23/25 03:23	100-41-4	v2
Hexachloro-1,3-butadiene	<108	ug/kg	271	108	1	08/22/25 12:03	08/23/25 03:23	87-68-3	
Isopropylbenzene (Cumene)	<18.5	ug/kg	54.3	18.5	1	08/22/25 12:03	08/23/25 03:23	98-82-8	
Methyl-tert-butyl ether	<16.0	ug/kg	54.3	16.0	1	08/22/25 12:03	08/23/25 03:23	1634-04-4	
Methylene Chloride	<15.1	ug/kg	54.3	15.1	1	08/22/25 12:03	08/23/25 03:23	75-09-2	
Naphthalene	<22.8	ug/kg	271	22.8	1	08/22/25 12:03	08/23/25 03:23	91-20-3	
Styrene	<13.9	ug/kg	54.3	13.9	1	08/22/25 12:03	08/23/25 03:23	100-42-5	
Tetrachloroethene	<21.1	ug/kg	54.3	21.1	1	08/22/25 12:03	08/23/25 03:23	127-18-4	
Toluene	<17.2	ug/kg	54.3	17.2	1	08/22/25 12:03	08/23/25 03:23	108-88-3	
Trichloroethene	<20.3	ug/kg	54.3	20.3	1	08/22/25 12:03	08/23/25 03:23	79-01-6	
Trichlorofluoromethane	<15.7	ug/kg	54.3	15.7	1	08/22/25 12:03	08/23/25 03:23	75-69-4	
Vinyl chloride	<11.0	ug/kg	54.3	11.0	1	08/22/25 12:03	08/23/25 03:23	75-01-4	
cis-1,2-Dichloroethene	<11.6	ug/kg	54.3	11.6	1	08/22/25 12:03	08/23/25 03:23	156-59-2	
cis-1,3-Dichloropropene	<35.8	ug/kg	271	35.8	1	08/22/25 12:03	08/23/25 03:23	10061-01-5	
m&p-Xylene	<31.2	ug/kg	109	31.2	1	08/22/25 12:03	08/23/25 03:23	179601-23-1	
n-Butylbenzene	<30.5	ug/kg	54.3	30.5	1	08/22/25 12:03	08/23/25 03:23	104-51-8	
n-Propylbenzene	<17.7	ug/kg	54.3	17.7	1	08/22/25 12:03	08/23/25 03:23	103-65-1	
o-Xylene	<17.7	ug/kg	54.3	17.7	1	08/22/25 12:03	08/23/25 03:23	95-47-6	
p-Isopropyltoluene	<18.5	ug/kg	54.3	18.5	1	08/22/25 12:03	08/23/25 03:23	99-87-6	
sec-Butylbenzene	<22.3	ug/kg	54.3	22.3	1	08/22/25 12:03	08/23/25 03:23	135-98-8	
tert-Butylbenzene	<17.0	ug/kg	54.3	17.0	1	08/22/25 12:03	08/23/25 03:23	98-06-6	
trans-1,2-Dichloroethene	<11.9	ug/kg	54.3	11.9	1	08/22/25 12:03	08/23/25 03:23	156-60-5	
trans-1,3-Dichloropropene	<155	ug/kg	271	155	1	08/22/25 12:03	08/23/25 03:23	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	56-189		1	08/22/25 12:03	08/23/25 03:23	2199-69-1	
4-Bromofluorobenzene (S)	91	%	58-188		1	08/22/25 12:03	08/23/25 03:23	460-00-4	
Toluene-d8 (S)	106	%	70-172		1	08/22/25 12:03	08/23/25 03:23	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	4.1	%	0.10	0.10	1	08/22/25 10:58

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-5(2-4) Lab ID: 40300412010 Collected: 08/19/25 13:55 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:21	7440-38-2	
Barium	25.7	mg/kg	0.50	0.15	1	09/19/25 09:30	09/19/25 19:21	7440-39-3	
Cadmium	<0.13	mg/kg	0.50	0.13	1	09/19/25 09:30	09/19/25 19:21	7440-43-9	
Chromium	15.3	mg/kg	1.0	0.28	1	09/19/25 09:30	09/19/25 19:21	7440-47-3	
Lead	1.7J	mg/kg	2.0	0.60	1	09/19/25 09:30	09/19/25 19:21	7439-92-1	
Selenium	<1.3	mg/kg	4.0	1.3	1	09/19/25 09:30	09/19/25 19:21	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	09/19/25 09:30	09/19/25 19:21	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.020	mg/kg	0.033	0.020	1	09/16/25 09:18	09/16/25 16:20	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<89.0	ug/kg	181	89.0	1	08/26/25 13:41	08/27/25 17:28	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	44	%	40-130		1	08/26/25 13:41	08/27/25 17:28	4165-60-0	
2-Fluorobiphenyl (S)	40	%	37-130		1	08/26/25 13:41	08/27/25 17:28	321-60-8	
Terphenyl-d14 (S)	41	%	46-132		1	08/26/25 13:41	08/27/25 17:28	1718-51-0	S0
Phenol-d6 (S)	43	%	34-130		1	08/26/25 13:41	08/27/25 17:28	13127-88-3	
2-Fluorophenol (S)	41	%	28-130		1	08/26/25 13:41	08/27/25 17:28	367-12-4	
2,4,6-Tribromophenol (S)	45	%	29-156		1	08/26/25 13:41	08/27/25 17:28	118-79-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.3	ug/kg	18.1	2.3	1	08/26/25 08:00	08/26/25 19:02	83-32-9	
Acenaphthylene	<2.3	ug/kg	18.1	2.3	1	08/26/25 08:00	08/26/25 19:02	208-96-8	
Anthracene	<2.2	ug/kg	18.1	2.2	1	08/26/25 08:00	08/26/25 19:02	120-12-7	
Benzo(a)anthracene	<2.3	ug/kg	18.1	2.3	1	08/26/25 08:00	08/26/25 19:02	56-55-3	
Benzo(a)pyrene	<2.1	ug/kg	18.1	2.1	1	08/26/25 08:00	08/26/25 19:02	50-32-8	
Benzo(b)fluoranthene	<2.5	ug/kg	18.1	2.5	1	08/26/25 08:00	08/26/25 19:02	205-99-2	
Benzo(g,h,i)perylene	<3.2	ug/kg	18.1	3.2	1	08/26/25 08:00	08/26/25 19:02	191-24-2	
Benzo(k)fluoranthene	<2.3	ug/kg	18.1	2.3	1	08/26/25 08:00	08/26/25 19:02	207-08-9	
Chrysene	<3.4	ug/kg	18.1	3.4	1	08/26/25 08:00	08/26/25 19:02	218-01-9	
Dibenz(a,h)anthracene	<2.5	ug/kg	18.1	2.5	1	08/26/25 08:00	08/26/25 19:02	53-70-3	
Fluoranthene	<2.1	ug/kg	18.1	2.1	1	08/26/25 08:00	08/26/25 19:02	206-44-0	
Fluorene	<2.2	ug/kg	18.1	2.2	1	08/26/25 08:00	08/26/25 19:02	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.8	ug/kg	18.1	3.8	1	08/26/25 08:00	08/26/25 19:02	193-39-5	
1-Methylnaphthalene	<2.6	ug/kg	18.1	2.6	1	08/26/25 08:00	08/26/25 19:02	90-12-0	
2-Methylnaphthalene	<2.6	ug/kg	18.1	2.6	1	08/26/25 08:00	08/26/25 19:02	91-57-6	
Naphthalene	<1.8	ug/kg	18.1	1.8	1	08/26/25 08:00	08/26/25 19:02	91-20-3	
Phenanthrene	<2.1	ug/kg	18.1	2.1	1	08/26/25 08:00	08/26/25 19:02	85-01-8	
Pyrene	<2.7	ug/kg	18.1	2.7	1	08/26/25 08:00	08/26/25 19:02	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-5(2-4) Lab ID: 40300412010 Collected: 08/19/25 13:55 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	56	%	36-120		1	08/26/25 08:00	08/26/25 19:02	321-60-8	
Terphenyl-d14 (S)	64	%	36-120		1	08/26/25 08:00	08/26/25 19:02	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.0	ug/kg	58.3	14.0	1	08/22/25 12:03	08/23/25 03:43	630-20-6	
1,1,1-Trichloroethane	<14.9	ug/kg	58.3	14.9	1	08/22/25 12:03	08/23/25 03:43	71-55-6	
1,1,2,2-Tetrachloroethane	<21.1	ug/kg	58.3	21.1	1	08/22/25 12:03	08/23/25 03:43	79-34-5	
1,1,2-Trichloroethane	<21.2	ug/kg	58.3	21.2	1	08/22/25 12:03	08/23/25 03:43	79-00-5	
1,1-Dichloroethane	<14.9	ug/kg	58.3	14.9	1	08/22/25 12:03	08/23/25 03:43	75-34-3	
1,1-Dichloroethene	<19.3	ug/kg	58.3	19.3	1	08/22/25 12:03	08/23/25 03:43	75-35-4	
1,1-Dichloropropene	<18.9	ug/kg	58.3	18.9	1	08/22/25 12:03	08/23/25 03:43	563-58-6	
1,2,3-Trichlorobenzene	<64.9	ug/kg	291	64.9	1	08/22/25 12:03	08/23/25 03:43	87-61-6	v2
1,2,3-Trichloropropane	<28.3	ug/kg	58.3	28.3	1	08/22/25 12:03	08/23/25 03:43	96-18-4	
1,2,4-Trichlorobenzene	<48.0	ug/kg	291	48.0	1	08/22/25 12:03	08/23/25 03:43	120-82-1	
1,2,4-Trimethylbenzene	<17.4	ug/kg	58.3	17.4	1	08/22/25 12:03	08/23/25 03:43	95-63-6	
1,2-Dibromo-3-chloropropane	<45.2	ug/kg	291	45.2	1	08/22/25 12:03	08/23/25 03:43	96-12-8	
1,2-Dibromoethane (EDB)	<16.0	ug/kg	58.3	16.0	1	08/22/25 12:03	08/23/25 03:43	106-93-4	
1,2-Dichlorobenzene	<20.4	ug/kg	58.3	20.4	1	08/22/25 12:03	08/23/25 03:43	95-50-1	
1,2-Dichloroethane	<13.4	ug/kg	58.3	13.4	1	08/22/25 12:03	08/23/25 03:43	107-06-2	
1,2-Dichloropropane	<13.9	ug/kg	58.3	13.9	1	08/22/25 12:03	08/23/25 03:43	78-87-5	
1,3,5-Trimethylbenzene	<18.8	ug/kg	58.3	18.8	1	08/22/25 12:03	08/23/25 03:43	108-67-8	
1,3-Dichlorobenzene	<17.1	ug/kg	58.3	17.1	1	08/22/25 12:03	08/23/25 03:43	541-73-1	
1,3-Dichloropropane	<12.7	ug/kg	58.3	12.7	1	08/22/25 12:03	08/23/25 03:43	142-28-9	
1,4-Dichlorobenzene	<17.9	ug/kg	58.3	17.9	1	08/22/25 12:03	08/23/25 03:43	106-46-7	
2,2-Dichloropropane	<15.7	ug/kg	58.3	15.7	1	08/22/25 12:03	08/23/25 03:43	594-20-7	
2-Chlorotoluene	<18.9	ug/kg	58.3	18.9	1	08/22/25 12:03	08/23/25 03:43	95-49-8	
4-Chlorotoluene	<22.1	ug/kg	58.3	22.1	1	08/22/25 12:03	08/23/25 03:43	106-43-4	
Benzene	<13.9	ug/kg	23.3	13.9	1	08/22/25 12:03	08/23/25 03:43	71-43-2	
Bromobenzene	<22.7	ug/kg	58.3	22.7	1	08/22/25 12:03	08/23/25 03:43	108-86-1	
Bromochloromethane	<16.0	ug/kg	58.3	16.0	1	08/22/25 12:03	08/23/25 03:43	74-97-5	
Bromodichloromethane	<13.9	ug/kg	58.3	13.9	1	08/22/25 12:03	08/23/25 03:43	75-27-4	
Bromoform	<256	ug/kg	291	256	1	08/22/25 12:03	08/23/25 03:43	75-25-2	
Bromomethane	<81.7	ug/kg	291	81.7	1	08/22/25 12:03	08/23/25 03:43	74-83-9	
Carbon tetrachloride	<12.8	ug/kg	58.3	12.8	1	08/22/25 12:03	08/23/25 03:43	56-23-5	
Chlorobenzene	<7.0	ug/kg	58.3	7.0	1	08/22/25 12:03	08/23/25 03:43	108-90-7	
Chloroethane	<24.6	ug/kg	291	24.6	1	08/22/25 12:03	08/23/25 03:43	75-00-3	
Chloroform	<41.7	ug/kg	291	41.7	1	08/22/25 12:03	08/23/25 03:43	67-66-3	
Chloromethane	<22.1	ug/kg	58.3	22.1	1	08/22/25 12:03	08/23/25 03:43	74-87-3	
Dibromochloromethane	<199	ug/kg	291	199	1	08/22/25 12:03	08/23/25 03:43	124-48-1	
Dibromomethane	<17.2	ug/kg	58.3	17.2	1	08/22/25 12:03	08/23/25 03:43	74-95-3	
Dichlorodifluoromethane	<25.0	ug/kg	58.3	25.0	1	08/22/25 12:03	08/23/25 03:43	75-71-8	
Diisopropyl ether	<14.4	ug/kg	58.3	14.4	1	08/22/25 12:03	08/23/25 03:43	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-5(2-4) Lab ID: 40300412010 Collected: 08/19/25 13:55 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<13.9	ug/kg	58.3	13.9	1	08/22/25 12:03	08/23/25 03:43	100-41-4	v2
Hexachloro-1,3-butadiene	<116	ug/kg	291	116	1	08/22/25 12:03	08/23/25 03:43	87-68-3	
Isopropylbenzene (Cumene)	<19.9	ug/kg	58.3	19.9	1	08/22/25 12:03	08/23/25 03:43	98-82-8	
Methyl-tert-butyl ether	<17.1	ug/kg	58.3	17.1	1	08/22/25 12:03	08/23/25 03:43	1634-04-4	
Methylene Chloride	<16.2	ug/kg	58.3	16.2	1	08/22/25 12:03	08/23/25 03:43	75-09-2	
Naphthalene	<24.5	ug/kg	291	24.5	1	08/22/25 12:03	08/23/25 03:43	91-20-3	
Styrene	<14.9	ug/kg	58.3	14.9	1	08/22/25 12:03	08/23/25 03:43	100-42-5	
Tetrachloroethene	<22.6	ug/kg	58.3	22.6	1	08/22/25 12:03	08/23/25 03:43	127-18-4	
Toluene	<18.4	ug/kg	58.3	18.4	1	08/22/25 12:03	08/23/25 03:43	108-88-3	
Trichloroethene	<21.8	ug/kg	58.3	21.8	1	08/22/25 12:03	08/23/25 03:43	79-01-6	
Trichlorofluoromethane	<16.9	ug/kg	58.3	16.9	1	08/22/25 12:03	08/23/25 03:43	75-69-4	
Vinyl chloride	<11.8	ug/kg	58.3	11.8	1	08/22/25 12:03	08/23/25 03:43	75-01-4	
cis-1,2-Dichloroethene	<12.5	ug/kg	58.3	12.5	1	08/22/25 12:03	08/23/25 03:43	156-59-2	
cis-1,3-Dichloropropene	<38.4	ug/kg	291	38.4	1	08/22/25 12:03	08/23/25 03:43	10061-01-5	
m&p-Xylene	<33.5	ug/kg	117	33.5	1	08/22/25 12:03	08/23/25 03:43	179601-23-1	
n-Butylbenzene	<32.7	ug/kg	58.3	32.7	1	08/22/25 12:03	08/23/25 03:43	104-51-8	
n-Propylbenzene	<19.0	ug/kg	58.3	19.0	1	08/22/25 12:03	08/23/25 03:43	103-65-1	
o-Xylene	<19.0	ug/kg	58.3	19.0	1	08/22/25 12:03	08/23/25 03:43	95-47-6	
p-Isopropyltoluene	<19.8	ug/kg	58.3	19.8	1	08/22/25 12:03	08/23/25 03:43	99-87-6	
sec-Butylbenzene	<23.9	ug/kg	58.3	23.9	1	08/22/25 12:03	08/23/25 03:43	135-98-8	
tert-Butylbenzene	<18.3	ug/kg	58.3	18.3	1	08/22/25 12:03	08/23/25 03:43	98-06-6	
trans-1,2-Dichloroethene	<12.7	ug/kg	58.3	12.7	1	08/22/25 12:03	08/23/25 03:43	156-60-5	
trans-1,3-Dichloropropene	<167	ug/kg	291	167	1	08/22/25 12:03	08/23/25 03:43	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	110	%	56-189		1	08/22/25 12:03	08/23/25 03:43	2199-69-1	
4-Bromofluorobenzene (S)	102	%	58-188		1	08/22/25 12:03	08/23/25 03:43	460-00-4	
Toluene-d8 (S)	114	%	70-172		1	08/22/25 12:03	08/23/25 03:43	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	7.6	%	0.10	0.10	1	08/22/25 10:58

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-5(4.5-6.5) Lab ID: 40300412011 Collected: 08/19/25 14:10 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<3.3	mg/kg	5.7	3.3	2	09/19/25 09:30	09/23/25 12:54	7440-38-2	D3
Barium	50.3	mg/kg	1.1	0.34	2	09/19/25 09:30	09/23/25 12:54	7440-39-3	
Cadmium	<0.30	mg/kg	1.1	0.30	2	09/19/25 09:30	09/23/25 12:54	7440-43-9	D3
Chromium	32.2	mg/kg	2.3	0.63	2	09/19/25 09:30	09/23/25 12:54	7440-47-3	
Lead	1.8J	mg/kg	4.5	1.4	2	09/19/25 09:30	09/23/25 12:54	7439-92-1	D3
Selenium	<3.0	mg/kg	9.1	3.0	2	09/19/25 09:30	09/23/25 12:54	7782-49-2	D3
Silver	<0.70	mg/kg	2.3	0.70	2	09/19/25 09:30	09/23/25 12:54	7440-22-4	D3
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.022	mg/kg	0.037	0.022	1	09/16/25 09:18	09/16/25 16:22	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<95.3	ug/kg	194	95.3	1	08/26/25 13:41	08/27/25 17:49	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	67	%	40-130		1	08/26/25 13:41	08/27/25 17:49	4165-60-0	
2-Fluorobiphenyl (S)	63	%	37-130		1	08/26/25 13:41	08/27/25 17:49	321-60-8	
Terphenyl-d14 (S)	70	%	46-132		1	08/26/25 13:41	08/27/25 17:49	1718-51-0	
Phenol-d6 (S)	67	%	34-130		1	08/26/25 13:41	08/27/25 17:49	13127-88-3	
2-Fluorophenol (S)	66	%	28-130		1	08/26/25 13:41	08/27/25 17:49	367-12-4	
2,4,6-Tribromophenol (S)	67	%	29-156		1	08/26/25 13:41	08/27/25 17:49	118-79-6	
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	08/26/25 08:00	08/26/25 19:17	83-32-9	
Acenaphthylene	<2.4	ug/kg	19.3	2.4	1	08/26/25 08:00	08/26/25 19:17	208-96-8	
Anthracene	<2.4	ug/kg	19.3	2.4	1	08/26/25 08:00	08/26/25 19:17	120-12-7	
Benzo(a)anthracene	<2.5	ug/kg	19.3	2.5	1	08/26/25 08:00	08/26/25 19:17	56-55-3	
Benzo(a)pyrene	<2.2	ug/kg	19.3	2.2	1	08/26/25 08:00	08/26/25 19:17	50-32-8	
Benzo(b)fluoranthene	<2.7	ug/kg	19.3	2.7	1	08/26/25 08:00	08/26/25 19:17	205-99-2	
Benzo(g,h,i)perylene	<3.4	ug/kg	19.3	3.4	1	08/26/25 08:00	08/26/25 19:17	191-24-2	
Benzo(k)fluoranthene	<2.5	ug/kg	19.3	2.5	1	08/26/25 08:00	08/26/25 19:17	207-08-9	
Chrysene	<3.6	ug/kg	19.3	3.6	1	08/26/25 08:00	08/26/25 19:17	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	19.3	2.7	1	08/26/25 08:00	08/26/25 19:17	53-70-3	
Fluoranthene	<2.3	ug/kg	19.3	2.3	1	08/26/25 08:00	08/26/25 19:17	206-44-0	
Fluorene	<2.3	ug/kg	19.3	2.3	1	08/26/25 08:00	08/26/25 19:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	19.3	4.0	1	08/26/25 08:00	08/26/25 19:17	193-39-5	
1-Methylnaphthalene	<2.8	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 19:17	90-12-0	
2-Methylnaphthalene	<2.8	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 19:17	91-57-6	
Naphthalene	<1.9	ug/kg	19.3	1.9	1	08/26/25 08:00	08/26/25 19:17	91-20-3	
Phenanthrene	<2.2	ug/kg	19.3	2.2	1	08/26/25 08:00	08/26/25 19:17	85-01-8	
Pyrene	<2.8	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 19:17	129-00-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-5(4.5-6.5) Lab ID: 40300412011 Collected: 08/19/25 14:10 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	59	%	36-120		1	08/26/25 08:00	08/26/25 19:17	321-60-8	
Terphenyl-d14 (S)	69	%	36-120		1	08/26/25 08:00	08/26/25 19:17	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<15.8	ug/kg	65.9	15.8	1	08/22/25 12:03	08/23/25 04:03	630-20-6	
1,1,1-Trichloroethane	<16.9	ug/kg	65.9	16.9	1	08/22/25 12:03	08/23/25 04:03	71-55-6	
1,1,2,2-Tetrachloroethane	<23.9	ug/kg	65.9	23.9	1	08/22/25 12:03	08/23/25 04:03	79-34-5	
1,1,2-Trichloroethane	<24.0	ug/kg	65.9	24.0	1	08/22/25 12:03	08/23/25 04:03	79-00-5	
1,1-Dichloroethane	<16.9	ug/kg	65.9	16.9	1	08/22/25 12:03	08/23/25 04:03	75-34-3	
1,1-Dichloroethene	<21.9	ug/kg	65.9	21.9	1	08/22/25 12:03	08/23/25 04:03	75-35-4	
1,1-Dichloropropene	<21.4	ug/kg	65.9	21.4	1	08/22/25 12:03	08/23/25 04:03	563-58-6	
1,2,3-Trichlorobenzene	<73.4	ug/kg	330	73.4	1	08/22/25 12:03	08/23/25 04:03	87-61-6	v2
1,2,3-Trichloropropane	<32.0	ug/kg	65.9	32.0	1	08/22/25 12:03	08/23/25 04:03	96-18-4	
1,2,4-Trichlorobenzene	<54.3	ug/kg	330	54.3	1	08/22/25 12:03	08/23/25 04:03	120-82-1	
1,2,4-Trimethylbenzene	<19.6	ug/kg	65.9	19.6	1	08/22/25 12:03	08/23/25 04:03	95-63-6	
1,2-Dibromo-3-chloropropane	<51.2	ug/kg	330	51.2	1	08/22/25 12:03	08/23/25 04:03	96-12-8	
1,2-Dibromoethane (EDB)	<18.1	ug/kg	65.9	18.1	1	08/22/25 12:03	08/23/25 04:03	106-93-4	
1,2-Dichlorobenzene	<23.1	ug/kg	65.9	23.1	1	08/22/25 12:03	08/23/25 04:03	95-50-1	
1,2-Dichloroethane	<15.2	ug/kg	65.9	15.2	1	08/22/25 12:03	08/23/25 04:03	107-06-2	
1,2-Dichloropropane	<15.7	ug/kg	65.9	15.7	1	08/22/25 12:03	08/23/25 04:03	78-87-5	
1,3,5-Trimethylbenzene	<21.2	ug/kg	65.9	21.2	1	08/22/25 12:03	08/23/25 04:03	108-67-8	
1,3-Dichlorobenzene	<19.4	ug/kg	65.9	19.4	1	08/22/25 12:03	08/23/25 04:03	541-73-1	
1,3-Dichloropropane	<14.4	ug/kg	65.9	14.4	1	08/22/25 12:03	08/23/25 04:03	142-28-9	
1,4-Dichlorobenzene	<20.3	ug/kg	65.9	20.3	1	08/22/25 12:03	08/23/25 04:03	106-46-7	
2,2-Dichloropropane	<17.8	ug/kg	65.9	17.8	1	08/22/25 12:03	08/23/25 04:03	594-20-7	
2-Chlorotoluene	<21.4	ug/kg	65.9	21.4	1	08/22/25 12:03	08/23/25 04:03	95-49-8	
4-Chlorotoluene	<25.1	ug/kg	65.9	25.1	1	08/22/25 12:03	08/23/25 04:03	106-43-4	
Benzene	<15.7	ug/kg	26.4	15.7	1	08/22/25 12:03	08/23/25 04:03	71-43-2	
Bromobenzene	<25.7	ug/kg	65.9	25.7	1	08/22/25 12:03	08/23/25 04:03	108-86-1	
Bromochloromethane	<18.1	ug/kg	65.9	18.1	1	08/22/25 12:03	08/23/25 04:03	74-97-5	
Bromodichloromethane	<15.7	ug/kg	65.9	15.7	1	08/22/25 12:03	08/23/25 04:03	75-27-4	
Bromoform	<290	ug/kg	330	290	1	08/22/25 12:03	08/23/25 04:03	75-25-2	
Bromomethane	<92.4	ug/kg	330	92.4	1	08/22/25 12:03	08/23/25 04:03	74-83-9	
Carbon tetrachloride	<14.5	ug/kg	65.9	14.5	1	08/22/25 12:03	08/23/25 04:03	56-23-5	
Chlorobenzene	<7.9	ug/kg	65.9	7.9	1	08/22/25 12:03	08/23/25 04:03	108-90-7	
Chloroethane	<27.8	ug/kg	330	27.8	1	08/22/25 12:03	08/23/25 04:03	75-00-3	
Chloroform	<47.2	ug/kg	330	47.2	1	08/22/25 12:03	08/23/25 04:03	67-66-3	
Chloromethane	<25.1	ug/kg	65.9	25.1	1	08/22/25 12:03	08/23/25 04:03	74-87-3	
Dibromochloromethane	<225	ug/kg	330	225	1	08/22/25 12:03	08/23/25 04:03	124-48-1	
Dibromomethane	<19.5	ug/kg	65.9	19.5	1	08/22/25 12:03	08/23/25 04:03	74-95-3	
Dichlorodifluoromethane	<28.4	ug/kg	65.9	28.4	1	08/22/25 12:03	08/23/25 04:03	75-71-8	
Diisopropyl ether	<16.4	ug/kg	65.9	16.4	1	08/22/25 12:03	08/23/25 04:03	108-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-5(4.5-6.5) Lab ID: 40300412011 Collected: 08/19/25 14:10 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<15.7	ug/kg	65.9	15.7	1	08/22/25 12:03	08/23/25 04:03	100-41-4	v2
Hexachloro-1,3-butadiene	<131	ug/kg	330	131	1	08/22/25 12:03	08/23/25 04:03	87-68-3	
Isopropylbenzene (Cumene)	<22.5	ug/kg	65.9	22.5	1	08/22/25 12:03	08/23/25 04:03	98-82-8	
Methyl-tert-butyl ether	<19.4	ug/kg	65.9	19.4	1	08/22/25 12:03	08/23/25 04:03	1634-04-4	
Methylene Chloride	<18.3	ug/kg	65.9	18.3	1	08/22/25 12:03	08/23/25 04:03	75-09-2	
Naphthalene	<27.7	ug/kg	330	27.7	1	08/22/25 12:03	08/23/25 04:03	91-20-3	
Styrene	<16.9	ug/kg	65.9	16.9	1	08/22/25 12:03	08/23/25 04:03	100-42-5	
Tetrachloroethene	<25.6	ug/kg	65.9	25.6	1	08/22/25 12:03	08/23/25 04:03	127-18-4	
Toluene	<20.9	ug/kg	65.9	20.9	1	08/22/25 12:03	08/23/25 04:03	108-88-3	
Trichloroethene	<24.7	ug/kg	65.9	24.7	1	08/22/25 12:03	08/23/25 04:03	79-01-6	
Trichlorofluoromethane	<19.1	ug/kg	65.9	19.1	1	08/22/25 12:03	08/23/25 04:03	75-69-4	
Vinyl chloride	<13.3	ug/kg	65.9	13.3	1	08/22/25 12:03	08/23/25 04:03	75-01-4	
cis-1,2-Dichloroethene	<14.1	ug/kg	65.9	14.1	1	08/22/25 12:03	08/23/25 04:03	156-59-2	
cis-1,3-Dichloropropene	<43.5	ug/kg	330	43.5	1	08/22/25 12:03	08/23/25 04:03	10061-01-5	
m&p-Xylene	<37.9	ug/kg	132	37.9	1	08/22/25 12:03	08/23/25 04:03	179601-23-1	
n-Butylbenzene	<37.0	ug/kg	65.9	37.0	1	08/22/25 12:03	08/23/25 04:03	104-51-8	
n-Propylbenzene	<21.5	ug/kg	65.9	21.5	1	08/22/25 12:03	08/23/25 04:03	103-65-1	
o-Xylene	<21.5	ug/kg	65.9	21.5	1	08/22/25 12:03	08/23/25 04:03	95-47-6	
p-Isopropyltoluene	<22.4	ug/kg	65.9	22.4	1	08/22/25 12:03	08/23/25 04:03	99-87-6	
sec-Butylbenzene	<27.1	ug/kg	65.9	27.1	1	08/22/25 12:03	08/23/25 04:03	135-98-8	
tert-Butylbenzene	<20.7	ug/kg	65.9	20.7	1	08/22/25 12:03	08/23/25 04:03	98-06-6	
trans-1,2-Dichloroethene	<14.4	ug/kg	65.9	14.4	1	08/22/25 12:03	08/23/25 04:03	156-60-5	
trans-1,3-Dichloropropene	<189	ug/kg	330	189	1	08/22/25 12:03	08/23/25 04:03	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	109	%	56-189		1	08/22/25 12:03	08/23/25 04:03	2199-69-1	
4-Bromofluorobenzene (S)	100	%	58-188		1	08/22/25 12:03	08/23/25 04:03	460-00-4	
Toluene-d8 (S)	118	%	70-172		1	08/22/25 12:03	08/23/25 04:03	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	13.7	%	0.10	0.10	1	08/22/25 10:58

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-6(2-4) Lab ID: 40300412012 Collected: 08/19/25 14:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.2J	mg/kg	2.7	1.6	1	09/19/25 09:30	09/19/25 19:25	7440-38-2	
Barium	93.5	mg/kg	0.55	0.16	1	09/19/25 09:30	09/19/25 19:25	7440-39-3	
Cadmium	<0.15	mg/kg	0.55	0.15	1	09/19/25 09:30	09/19/25 19:25	7440-43-9	
Chromium	15.4	mg/kg	1.1	0.31	1	09/19/25 09:30	09/19/25 19:25	7440-47-3	
Lead	22.1	mg/kg	2.2	0.66	1	09/19/25 09:30	09/19/25 19:25	7439-92-1	
Selenium	1.8J	mg/kg	4.4	1.4	1	09/19/25 09:30	09/19/25 19:25	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	09/19/25 09:30	09/19/25 19:25	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.031J	mg/kg	0.034	0.020	1	09/16/25 09:18	09/16/25 16:25	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<230	ug/kg	468	230	2.5	08/26/25 13:41	08/27/25 22:06	87-86-5	D3
Surrogates									
Nitrobenzene-d5 (S)	65	%	40-130		2.5	08/26/25 13:41	08/27/25 22:06	4165-60-0	
2-Fluorobiphenyl (S)	61	%	37-130		2.5	08/26/25 13:41	08/27/25 22:06	321-60-8	
Terphenyl-d14 (S)	65	%	46-132		2.5	08/26/25 13:41	08/27/25 22:06	1718-51-0	
Phenol-d6 (S)	59	%	34-130		2.5	08/26/25 13:41	08/27/25 22:06	13127-88-3	
2-Fluorophenol (S)	56	%	28-130		2.5	08/26/25 13:41	08/27/25 22:06	367-12-4	
2,4,6-Tribromophenol (S)	61	%	29-156		2.5	08/26/25 13:41	08/27/25 22:06	118-79-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<12.1	ug/kg	93.5	12.1	5	08/26/25 08:00	08/26/25 21:04	83-32-9	
Acenaphthylene	182	ug/kg	93.5	11.8	5	08/26/25 08:00	08/26/25 21:04	208-96-8	
Anthracene	111	ug/kg	93.5	11.6	5	08/26/25 08:00	08/26/25 21:04	120-12-7	
Benzo(a)anthracene	488	ug/kg	93.5	12.1	5	08/26/25 08:00	08/26/25 21:04	56-55-3	
Benzo(a)pyrene	667	ug/kg	93.5	10.6	5	08/26/25 08:00	08/26/25 21:04	50-32-8	
Benzo(b)fluoranthene	906	ug/kg	93.5	13.0	5	08/26/25 08:00	08/26/25 21:04	205-99-2	
Benzo(g,h,i)perylene	532	ug/kg	93.5	16.4	5	08/26/25 08:00	08/26/25 21:04	191-24-2	
Benzo(k)fluoranthene	343	ug/kg	93.5	11.9	5	08/26/25 08:00	08/26/25 21:04	207-08-9	
Chrysene	585	ug/kg	93.5	17.6	5	08/26/25 08:00	08/26/25 21:04	218-01-9	
Dibenz(a,h)anthracene	148	ug/kg	93.5	12.9	5	08/26/25 08:00	08/26/25 21:04	53-70-3	
Fluoranthene	855	ug/kg	93.5	11.1	5	08/26/25 08:00	08/26/25 21:04	206-44-0	
Fluorene	22.5J	ug/kg	93.5	11.2	5	08/26/25 08:00	08/26/25 21:04	86-73-7	
Indeno(1,2,3-cd)pyrene	417	ug/kg	93.5	19.5	5	08/26/25 08:00	08/26/25 21:04	193-39-5	
1-Methylnaphthalene	15.2J	ug/kg	93.5	13.6	5	08/26/25 08:00	08/26/25 21:04	90-12-0	
2-Methylnaphthalene	19.7J	ug/kg	93.5	13.7	5	08/26/25 08:00	08/26/25 21:04	91-57-6	
Naphthalene	28.5J	ug/kg	93.5	9.1	5	08/26/25 08:00	08/26/25 21:04	91-20-3	
Phenanthrene	203	ug/kg	93.5	10.7	5	08/26/25 08:00	08/26/25 21:04	85-01-8	
Pyrene	715	ug/kg	93.5	13.7	5	08/26/25 08:00	08/26/25 21:04	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-6(2-4) Lab ID: 40300412012 Collected: 08/19/25 14:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	57	%	36-120		5	08/26/25 08:00	08/26/25 21:04	321-60-8	
Terphenyl-d14 (S)	62	%	36-120		5	08/26/25 08:00	08/26/25 21:04	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.9	ug/kg	62.0	14.9	1	08/22/25 12:03	08/23/25 04:23	630-20-6	
1,1,1-Trichloroethane	<15.9	ug/kg	62.0	15.9	1	08/22/25 12:03	08/23/25 04:23	71-55-6	
1,1,2,2-Tetrachloroethane	<22.4	ug/kg	62.0	22.4	1	08/22/25 12:03	08/23/25 04:23	79-34-5	
1,1,2-Trichloroethane	<22.6	ug/kg	62.0	22.6	1	08/22/25 12:03	08/23/25 04:23	79-00-5	
1,1-Dichloroethane	<15.9	ug/kg	62.0	15.9	1	08/22/25 12:03	08/23/25 04:23	75-34-3	
1,1-Dichloroethene	<20.6	ug/kg	62.0	20.6	1	08/22/25 12:03	08/23/25 04:23	75-35-4	
1,1-Dichloropropene	<20.1	ug/kg	62.0	20.1	1	08/22/25 12:03	08/23/25 04:23	563-58-6	
1,2,3-Trichlorobenzene	<69.0	ug/kg	310	69.0	1	08/22/25 12:03	08/23/25 04:23	87-61-6	v2
1,2,3-Trichloropropane	<30.1	ug/kg	62.0	30.1	1	08/22/25 12:03	08/23/25 04:23	96-18-4	
1,2,4-Trichlorobenzene	<51.1	ug/kg	310	51.1	1	08/22/25 12:03	08/23/25 04:23	120-82-1	
1,2,4-Trimethylbenzene	<18.5	ug/kg	62.0	18.5	1	08/22/25 12:03	08/23/25 04:23	95-63-6	
1,2-Dibromo-3-chloropropane	<48.1	ug/kg	310	48.1	1	08/22/25 12:03	08/23/25 04:23	96-12-8	
1,2-Dibromoethane (EDB)	<17.0	ug/kg	62.0	17.0	1	08/22/25 12:03	08/23/25 04:23	106-93-4	
1,2-Dichlorobenzene	<21.7	ug/kg	62.0	21.7	1	08/22/25 12:03	08/23/25 04:23	95-50-1	
1,2-Dichloroethane	<14.3	ug/kg	62.0	14.3	1	08/22/25 12:03	08/23/25 04:23	107-06-2	
1,2-Dichloropropane	<14.7	ug/kg	62.0	14.7	1	08/22/25 12:03	08/23/25 04:23	78-87-5	
1,3,5-Trimethylbenzene	<20.0	ug/kg	62.0	20.0	1	08/22/25 12:03	08/23/25 04:23	108-67-8	
1,3-Dichlorobenzene	<18.2	ug/kg	62.0	18.2	1	08/22/25 12:03	08/23/25 04:23	541-73-1	
1,3-Dichloropropane	<13.5	ug/kg	62.0	13.5	1	08/22/25 12:03	08/23/25 04:23	142-28-9	
1,4-Dichlorobenzene	<19.0	ug/kg	62.0	19.0	1	08/22/25 12:03	08/23/25 04:23	106-46-7	
2,2-Dichloropropane	<16.7	ug/kg	62.0	16.7	1	08/22/25 12:03	08/23/25 04:23	594-20-7	
2-Chlorotoluene	<20.1	ug/kg	62.0	20.1	1	08/22/25 12:03	08/23/25 04:23	95-49-8	
4-Chlorotoluene	<23.5	ug/kg	62.0	23.5	1	08/22/25 12:03	08/23/25 04:23	106-43-4	
Benzene	<14.7	ug/kg	24.8	14.7	1	08/22/25 12:03	08/23/25 04:23	71-43-2	
Bromobenzene	<24.2	ug/kg	62.0	24.2	1	08/22/25 12:03	08/23/25 04:23	108-86-1	
Bromochloromethane	<17.0	ug/kg	62.0	17.0	1	08/22/25 12:03	08/23/25 04:23	74-97-5	
Bromodichloromethane	<14.7	ug/kg	62.0	14.7	1	08/22/25 12:03	08/23/25 04:23	75-27-4	
Bromoform	<273	ug/kg	310	273	1	08/22/25 12:03	08/23/25 04:23	75-25-2	
Bromomethane	<86.9	ug/kg	310	86.9	1	08/22/25 12:03	08/23/25 04:23	74-83-9	
Carbon tetrachloride	<13.6	ug/kg	62.0	13.6	1	08/22/25 12:03	08/23/25 04:23	56-23-5	
Chlorobenzene	<7.4	ug/kg	62.0	7.4	1	08/22/25 12:03	08/23/25 04:23	108-90-7	
Chloroethane	<26.1	ug/kg	310	26.1	1	08/22/25 12:03	08/23/25 04:23	75-00-3	
Chloroform	<44.4	ug/kg	310	44.4	1	08/22/25 12:03	08/23/25 04:23	67-66-3	
Chloromethane	<23.5	ug/kg	62.0	23.5	1	08/22/25 12:03	08/23/25 04:23	74-87-3	
Dibromochloromethane	<212	ug/kg	310	212	1	08/22/25 12:03	08/23/25 04:23	124-48-1	
Dibromomethane	<18.3	ug/kg	62.0	18.3	1	08/22/25 12:03	08/23/25 04:23	74-95-3	
Dichlorodifluoromethane	<26.6	ug/kg	62.0	26.6	1	08/22/25 12:03	08/23/25 04:23	75-71-8	
Diisopropyl ether	<15.4	ug/kg	62.0	15.4	1	08/22/25 12:03	08/23/25 04:23	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-6(2-4) Lab ID: 40300412012 Collected: 08/19/25 14:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<14.7	ug/kg	62.0	14.7	1	08/22/25 12:03	08/23/25 04:23	100-41-4	v2
Hexachloro-1,3-butadiene	<123	ug/kg	310	123	1	08/22/25 12:03	08/23/25 04:23	87-68-3	
Isopropylbenzene (Cumene)	<21.2	ug/kg	62.0	21.2	1	08/22/25 12:03	08/23/25 04:23	98-82-8	
Methyl-tert-butyl ether	<18.2	ug/kg	62.0	18.2	1	08/22/25 12:03	08/23/25 04:23	1634-04-4	
Methylene Chloride	<17.2	ug/kg	62.0	17.2	1	08/22/25 12:03	08/23/25 04:23	75-09-2	
Naphthalene	149J	ug/kg	310	26.1	1	08/22/25 12:03	08/23/25 04:23	91-20-3	
Styrene	<15.9	ug/kg	62.0	15.9	1	08/22/25 12:03	08/23/25 04:23	100-42-5	
Tetrachloroethene	<24.0	ug/kg	62.0	24.0	1	08/22/25 12:03	08/23/25 04:23	127-18-4	
Toluene	<19.6	ug/kg	62.0	19.6	1	08/22/25 12:03	08/23/25 04:23	108-88-3	
Trichloroethene	<23.2	ug/kg	62.0	23.2	1	08/22/25 12:03	08/23/25 04:23	79-01-6	
Trichlorofluoromethane	<18.0	ug/kg	62.0	18.0	1	08/22/25 12:03	08/23/25 04:23	75-69-4	
Vinyl chloride	<12.5	ug/kg	62.0	12.5	1	08/22/25 12:03	08/23/25 04:23	75-01-4	
cis-1,2-Dichloroethene	<13.3	ug/kg	62.0	13.3	1	08/22/25 12:03	08/23/25 04:23	156-59-2	
cis-1,3-Dichloropropene	<40.9	ug/kg	310	40.9	1	08/22/25 12:03	08/23/25 04:23	10061-01-5	
m&p-Xylene	<35.6	ug/kg	124	35.6	1	08/22/25 12:03	08/23/25 04:23	179601-23-1	
n-Butylbenzene	<34.8	ug/kg	62.0	34.8	1	08/22/25 12:03	08/23/25 04:23	104-51-8	
n-Propylbenzene	<20.2	ug/kg	62.0	20.2	1	08/22/25 12:03	08/23/25 04:23	103-65-1	
o-Xylene	<20.2	ug/kg	62.0	20.2	1	08/22/25 12:03	08/23/25 04:23	95-47-6	
p-Isopropyltoluene	<21.1	ug/kg	62.0	21.1	1	08/22/25 12:03	08/23/25 04:23	99-87-6	
sec-Butylbenzene	<25.5	ug/kg	62.0	25.5	1	08/22/25 12:03	08/23/25 04:23	135-98-8	
tert-Butylbenzene	<19.5	ug/kg	62.0	19.5	1	08/22/25 12:03	08/23/25 04:23	98-06-6	
trans-1,2-Dichloroethene	<13.5	ug/kg	62.0	13.5	1	08/22/25 12:03	08/23/25 04:23	156-60-5	
trans-1,3-Dichloropropene	<177	ug/kg	310	177	1	08/22/25 12:03	08/23/25 04:23	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	104	%	56-189		1	08/22/25 12:03	08/23/25 04:23	2199-69-1	
4-Bromofluorobenzene (S)	95	%	58-188		1	08/22/25 12:03	08/23/25 04:23	460-00-4	
Toluene-d8 (S)	118	%	70-172		1	08/22/25 12:03	08/23/25 04:23	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	10.7	%	0.10	0.10	1		08/22/25 10:59		

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-6(5-7) Lab ID: 40300412013 Collected: 08/19/25 14:50 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:27	7440-38-2	
Barium	35.4	mg/kg	0.57	0.17	1	09/19/25 09:30	09/19/25 19:27	7440-39-3	
Cadmium	<0.15	mg/kg	0.57	0.15	1	09/19/25 09:30	09/19/25 19:27	7440-43-9	
Chromium	15.9	mg/kg	1.1	0.31	1	09/19/25 09:30	09/19/25 19:27	7440-47-3	
Lead	1.8J	mg/kg	2.3	0.68	1	09/19/25 09:30	09/19/25 19:27	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	09/19/25 09:30	09/19/25 19:27	7782-49-2	
Silver	0.52J	mg/kg	1.1	0.35	1	09/19/25 09:30	09/19/25 19:27	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.021	mg/kg	0.036	0.021	1	09/16/25 09:18	09/16/25 16:28	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<95.5	ug/kg	194	95.5	1	08/26/25 13:41	08/27/25 18:11	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	71	%	40-130		1	08/26/25 13:41	08/27/25 18:11	4165-60-0	
2-Fluorobiphenyl (S)	66	%	37-130		1	08/26/25 13:41	08/27/25 18:11	321-60-8	
Terphenyl-d14 (S)	75	%	46-132		1	08/26/25 13:41	08/27/25 18:11	1718-51-0	
Phenol-d6 (S)	71	%	34-130		1	08/26/25 13:41	08/27/25 18:11	13127-88-3	
2-Fluorophenol (S)	67	%	28-130		1	08/26/25 13:41	08/27/25 18:11	367-12-4	
2,4,6-Tribromophenol (S)	72	%	29-156		1	08/26/25 13:41	08/27/25 18:11	118-79-6	
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	08/26/25 08:00	08/26/25 19:32	83-32-9	
Acenaphthylene	<2.4	ug/kg	19.4	2.4	1	08/26/25 08:00	08/26/25 19:32	208-96-8	
Anthracene	<2.4	ug/kg	19.4	2.4	1	08/26/25 08:00	08/26/25 19:32	120-12-7	
Benzo(a)anthracene	3.4J	ug/kg	19.4	2.5	1	08/26/25 08:00	08/26/25 19:32	56-55-3	
Benzo(a)pyrene	2.7J	ug/kg	19.4	2.2	1	08/26/25 08:00	08/26/25 19:32	50-32-8	
Benzo(b)fluoranthene	4.7J	ug/kg	19.4	2.7	1	08/26/25 08:00	08/26/25 19:32	205-99-2	
Benzo(g,h,i)perylene	<3.4	ug/kg	19.4	3.4	1	08/26/25 08:00	08/26/25 19:32	191-24-2	
Benzo(k)fluoranthene	<2.5	ug/kg	19.4	2.5	1	08/26/25 08:00	08/26/25 19:32	207-08-9	
Chrysene	4.1J	ug/kg	19.4	3.7	1	08/26/25 08:00	08/26/25 19:32	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	19.4	2.7	1	08/26/25 08:00	08/26/25 19:32	53-70-3	
Fluoranthene	6.9J	ug/kg	19.4	2.3	1	08/26/25 08:00	08/26/25 19:32	206-44-0	
Fluorene	<2.3	ug/kg	19.4	2.3	1	08/26/25 08:00	08/26/25 19:32	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	19.4	4.0	1	08/26/25 08:00	08/26/25 19:32	193-39-5	
1-Methylnaphthalene	<2.8	ug/kg	19.4	2.8	1	08/26/25 08:00	08/26/25 19:32	90-12-0	
2-Methylnaphthalene	<2.8	ug/kg	19.4	2.8	1	08/26/25 08:00	08/26/25 19:32	91-57-6	
Naphthalene	<1.9	ug/kg	19.4	1.9	1	08/26/25 08:00	08/26/25 19:32	91-20-3	
Phenanthrene	<2.2	ug/kg	19.4	2.2	1	08/26/25 08:00	08/26/25 19:32	85-01-8	
Pyrene	5.1J	ug/kg	19.4	2.9	1	08/26/25 08:00	08/26/25 19:32	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-6(5-7) Lab ID: 40300412013 Collected: 08/19/25 14:50 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	60	%	36-120		1	08/26/25 08:00	08/26/25 19:32	321-60-8	
Terphenyl-d14 (S)	66	%	36-120		1	08/26/25 08:00	08/26/25 19:32	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<15.9	ug/kg	66.2	15.9	1	08/22/25 12:03	08/23/25 04:44	630-20-6	
1,1,1-Trichloroethane	<16.9	ug/kg	66.2	16.9	1	08/22/25 12:03	08/23/25 04:44	71-55-6	
1,1,2,2-Tetrachloroethane	<23.9	ug/kg	66.2	23.9	1	08/22/25 12:03	08/23/25 04:44	79-34-5	
1,1,2-Trichloroethane	<24.1	ug/kg	66.2	24.1	1	08/22/25 12:03	08/23/25 04:44	79-00-5	
1,1-Dichloroethane	<16.9	ug/kg	66.2	16.9	1	08/22/25 12:03	08/23/25 04:44	75-34-3	
1,1-Dichloroethene	<22.0	ug/kg	66.2	22.0	1	08/22/25 12:03	08/23/25 04:44	75-35-4	
1,1-Dichloropropene	<21.4	ug/kg	66.2	21.4	1	08/22/25 12:03	08/23/25 04:44	563-58-6	
1,2,3-Trichlorobenzene	<73.7	ug/kg	331	73.7	1	08/22/25 12:03	08/23/25 04:44	87-61-6	v2
1,2,3-Trichloropropane	<32.1	ug/kg	66.2	32.1	1	08/22/25 12:03	08/23/25 04:44	96-18-4	
1,2,4-Trichlorobenzene	<54.5	ug/kg	331	54.5	1	08/22/25 12:03	08/23/25 04:44	120-82-1	
1,2,4-Trimethylbenzene	<19.7	ug/kg	66.2	19.7	1	08/22/25 12:03	08/23/25 04:44	95-63-6	
1,2-Dibromo-3-chloropropane	<51.3	ug/kg	331	51.3	1	08/22/25 12:03	08/23/25 04:44	96-12-8	
1,2-Dibromoethane (EDB)	<18.1	ug/kg	66.2	18.1	1	08/22/25 12:03	08/23/25 04:44	106-93-4	
1,2-Dichlorobenzene	<23.2	ug/kg	66.2	23.2	1	08/22/25 12:03	08/23/25 04:44	95-50-1	
1,2-Dichloroethane	<15.2	ug/kg	66.2	15.2	1	08/22/25 12:03	08/23/25 04:44	107-06-2	
1,2-Dichloropropane	<15.7	ug/kg	66.2	15.7	1	08/22/25 12:03	08/23/25 04:44	78-87-5	
1,3,5-Trimethylbenzene	<21.3	ug/kg	66.2	21.3	1	08/22/25 12:03	08/23/25 04:44	108-67-8	
1,3-Dichlorobenzene	<19.5	ug/kg	66.2	19.5	1	08/22/25 12:03	08/23/25 04:44	541-73-1	
1,3-Dichloropropane	<14.4	ug/kg	66.2	14.4	1	08/22/25 12:03	08/23/25 04:44	142-28-9	
1,4-Dichlorobenzene	<20.3	ug/kg	66.2	20.3	1	08/22/25 12:03	08/23/25 04:44	106-46-7	
2,2-Dichloropropane	<17.9	ug/kg	66.2	17.9	1	08/22/25 12:03	08/23/25 04:44	594-20-7	
2-Chlorotoluene	<21.4	ug/kg	66.2	21.4	1	08/22/25 12:03	08/23/25 04:44	95-49-8	
4-Chlorotoluene	<25.1	ug/kg	66.2	25.1	1	08/22/25 12:03	08/23/25 04:44	106-43-4	
Benzene	<15.7	ug/kg	26.5	15.7	1	08/22/25 12:03	08/23/25 04:44	71-43-2	
Bromobenzene	<25.8	ug/kg	66.2	25.8	1	08/22/25 12:03	08/23/25 04:44	108-86-1	
Bromochloromethane	<18.1	ug/kg	66.2	18.1	1	08/22/25 12:03	08/23/25 04:44	74-97-5	
Bromodichloromethane	<15.7	ug/kg	66.2	15.7	1	08/22/25 12:03	08/23/25 04:44	75-27-4	
Bromoform	<291	ug/kg	331	291	1	08/22/25 12:03	08/23/25 04:44	75-25-2	
Bromomethane	<92.7	ug/kg	331	92.7	1	08/22/25 12:03	08/23/25 04:44	74-83-9	
Carbon tetrachloride	<14.6	ug/kg	66.2	14.6	1	08/22/25 12:03	08/23/25 04:44	56-23-5	
Chlorobenzene	<7.9	ug/kg	66.2	7.9	1	08/22/25 12:03	08/23/25 04:44	108-90-7	
Chloroethane	<27.9	ug/kg	331	27.9	1	08/22/25 12:03	08/23/25 04:44	75-00-3	
Chloroform	<47.4	ug/kg	331	47.4	1	08/22/25 12:03	08/23/25 04:44	67-66-3	
Chloromethane	<25.1	ug/kg	66.2	25.1	1	08/22/25 12:03	08/23/25 04:44	74-87-3	
Dibromochloromethane	<226	ug/kg	331	226	1	08/22/25 12:03	08/23/25 04:44	124-48-1	
Dibromomethane	<19.6	ug/kg	66.2	19.6	1	08/22/25 12:03	08/23/25 04:44	74-95-3	
Dichlorodifluoromethane	<28.4	ug/kg	66.2	28.4	1	08/22/25 12:03	08/23/25 04:44	75-71-8	
Diisopropyl ether	<16.4	ug/kg	66.2	16.4	1	08/22/25 12:03	08/23/25 04:44	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-6(5-7) Lab ID: 40300412013 Collected: 08/19/25 14:50 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<15.7	ug/kg	66.2	15.7	1	08/22/25 12:03	08/23/25 04:44	100-41-4	v2
Hexachloro-1,3-butadiene	<132	ug/kg	331	132	1	08/22/25 12:03	08/23/25 04:44	87-68-3	
Isopropylbenzene (Cumene)	<22.6	ug/kg	66.2	22.6	1	08/22/25 12:03	08/23/25 04:44	98-82-8	
Methyl-tert-butyl ether	<19.4	ug/kg	66.2	19.4	1	08/22/25 12:03	08/23/25 04:44	1634-04-4	
Methylene Chloride	<18.4	ug/kg	66.2	18.4	1	08/22/25 12:03	08/23/25 04:44	75-09-2	
Naphthalene	<27.8	ug/kg	331	27.8	1	08/22/25 12:03	08/23/25 04:44	91-20-3	
Styrene	<16.9	ug/kg	66.2	16.9	1	08/22/25 12:03	08/23/25 04:44	100-42-5	
Tetrachloroethene	<25.7	ug/kg	66.2	25.7	1	08/22/25 12:03	08/23/25 04:44	127-18-4	
Toluene	<20.9	ug/kg	66.2	20.9	1	08/22/25 12:03	08/23/25 04:44	108-88-3	
Trichloroethene	<24.7	ug/kg	66.2	24.7	1	08/22/25 12:03	08/23/25 04:44	79-01-6	
Trichlorofluoromethane	<19.2	ug/kg	66.2	19.2	1	08/22/25 12:03	08/23/25 04:44	75-69-4	
Vinyl chloride	<13.4	ug/kg	66.2	13.4	1	08/22/25 12:03	08/23/25 04:44	75-01-4	
cis-1,2-Dichloroethene	<14.2	ug/kg	66.2	14.2	1	08/22/25 12:03	08/23/25 04:44	156-59-2	
cis-1,3-Dichloropropene	<43.7	ug/kg	331	43.7	1	08/22/25 12:03	08/23/25 04:44	10061-01-5	
m&p-Xylene	<38.0	ug/kg	132	38.0	1	08/22/25 12:03	08/23/25 04:44	179601-23-1	
n-Butylbenzene	<37.1	ug/kg	66.2	37.1	1	08/22/25 12:03	08/23/25 04:44	104-51-8	
n-Propylbenzene	<21.6	ug/kg	66.2	21.6	1	08/22/25 12:03	08/23/25 04:44	103-65-1	
o-Xylene	<21.5	ug/kg	66.2	21.5	1	08/22/25 12:03	08/23/25 04:44	95-47-6	
p-Isopropyltoluene	<22.5	ug/kg	66.2	22.5	1	08/22/25 12:03	08/23/25 04:44	99-87-6	
sec-Butylbenzene	<27.2	ug/kg	66.2	27.2	1	08/22/25 12:03	08/23/25 04:44	135-98-8	
tert-Butylbenzene	<20.8	ug/kg	66.2	20.8	1	08/22/25 12:03	08/23/25 04:44	98-06-6	
trans-1,2-Dichloroethene	<14.5	ug/kg	66.2	14.5	1	08/22/25 12:03	08/23/25 04:44	156-60-5	
trans-1,3-Dichloropropene	<189	ug/kg	331	189	1	08/22/25 12:03	08/23/25 04:44	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	105	%	56-189		1	08/22/25 12:03	08/23/25 04:44	2199-69-1	
4-Bromofluorobenzene (S)	98	%	58-188		1	08/22/25 12:03	08/23/25 04:44	460-00-4	
Toluene-d8 (S)	116	%	70-172		1	08/22/25 12:03	08/23/25 04:44	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	13.9	%	0.10	0.10	1	08/22/25 10:59

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-7(2-4) Lab ID: 40300412014 Collected: 08/19/25 15:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:28	7440-38-2	
Barium	49.0	mg/kg	0.54	0.16	1	09/19/25 09:30	09/19/25 19:28	7440-39-3	
Cadmium	<0.14	mg/kg	0.54	0.14	1	09/19/25 09:30	09/19/25 19:28	7440-43-9	
Chromium	11.9	mg/kg	1.1	0.30	1	09/19/25 09:30	09/19/25 19:28	7440-47-3	
Lead	3.0	mg/kg	2.2	0.65	1	09/19/25 09:30	09/19/25 19:28	7439-92-1	
Selenium	<1.4	mg/kg	4.3	1.4	1	09/19/25 09:30	09/19/25 19:28	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	09/19/25 09:30	09/19/25 19:28	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.021	mg/kg	0.036	0.021	1	09/16/25 09:18	09/16/25 16:30	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<90.7	ug/kg	184	90.7	1	08/26/25 13:41	08/27/25 18:32	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	58	%	40-130		1	08/26/25 13:41	08/27/25 18:32	4165-60-0	
2-Fluorobiphenyl (S)	56	%	37-130		1	08/26/25 13:41	08/27/25 18:32	321-60-8	
Terphenyl-d14 (S)	63	%	46-132		1	08/26/25 13:41	08/27/25 18:32	1718-51-0	
Phenol-d6 (S)	58	%	34-130		1	08/26/25 13:41	08/27/25 18:32	13127-88-3	
2-Fluorophenol (S)	53	%	28-130		1	08/26/25 13:41	08/27/25 18:32	367-12-4	
2,4,6-Tribromophenol (S)	63	%	29-156		1	08/26/25 13:41	08/27/25 18:32	118-79-6	
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	18.5	2.4	1	08/26/25 08:00	08/26/25 19:48	83-32-9	
Acenaphthylene	<2.3	ug/kg	18.5	2.3	1	08/26/25 08:00	08/26/25 19:48	208-96-8	
Anthracene	<2.3	ug/kg	18.5	2.3	1	08/26/25 08:00	08/26/25 19:48	120-12-7	
Benzo(a)anthracene	7.5J	ug/kg	18.5	2.4	1	08/26/25 08:00	08/26/25 19:48	56-55-3	
Benzo(a)pyrene	8.6J	ug/kg	18.5	2.1	1	08/26/25 08:00	08/26/25 19:48	50-32-8	
Benzo(b)fluoranthene	13.6J	ug/kg	18.5	2.6	1	08/26/25 08:00	08/26/25 19:48	205-99-2	
Benzo(g,h,i)perylene	8.7J	ug/kg	18.5	3.2	1	08/26/25 08:00	08/26/25 19:48	191-24-2	
Benzo(k)fluoranthene	6.5J	ug/kg	18.5	2.4	1	08/26/25 08:00	08/26/25 19:48	207-08-9	
Chrysene	10.0J	ug/kg	18.5	3.5	1	08/26/25 08:00	08/26/25 19:48	218-01-9	
Dibenz(a,h)anthracene	<2.6	ug/kg	18.5	2.6	1	08/26/25 08:00	08/26/25 19:48	53-70-3	
Fluoranthene	15.8J	ug/kg	18.5	2.2	1	08/26/25 08:00	08/26/25 19:48	206-44-0	
Fluorene	<2.2	ug/kg	18.5	2.2	1	08/26/25 08:00	08/26/25 19:48	86-73-7	
Indeno(1,2,3-cd)pyrene	6.3J	ug/kg	18.5	3.8	1	08/26/25 08:00	08/26/25 19:48	193-39-5	
1-Methylnaphthalene	<2.7	ug/kg	18.5	2.7	1	08/26/25 08:00	08/26/25 19:48	90-12-0	
2-Methylnaphthalene	<2.7	ug/kg	18.5	2.7	1	08/26/25 08:00	08/26/25 19:48	91-57-6	
Naphthalene	<1.8	ug/kg	18.5	1.8	1	08/26/25 08:00	08/26/25 19:48	91-20-3	
Phenanthrene	2.3J	ug/kg	18.5	2.1	1	08/26/25 08:00	08/26/25 19:48	85-01-8	
Pyrene	11.7J	ug/kg	18.5	2.7	1	08/26/25 08:00	08/26/25 19:48	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-7(2-4) Lab ID: 40300412014 Collected: 08/19/25 15:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	48	%	36-120		1	08/26/25 08:00	08/26/25 19:48	321-60-8	
Terphenyl-d14 (S)	53	%	36-120		1	08/26/25 08:00	08/26/25 19:48	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.5	ug/kg	60.4	14.5	1	08/22/25 12:03	08/23/25 05:04	630-20-6	
1,1,1-Trichloroethane	<15.5	ug/kg	60.4	15.5	1	08/22/25 12:03	08/23/25 05:04	71-55-6	
1,1,2,2-Tetrachloroethane	<21.9	ug/kg	60.4	21.9	1	08/22/25 12:03	08/23/25 05:04	79-34-5	
1,1,2-Trichloroethane	<22.0	ug/kg	60.4	22.0	1	08/22/25 12:03	08/23/25 05:04	79-00-5	
1,1-Dichloroethane	<15.5	ug/kg	60.4	15.5	1	08/22/25 12:03	08/23/25 05:04	75-34-3	
1,1-Dichloroethene	<20.1	ug/kg	60.4	20.1	1	08/22/25 12:03	08/23/25 05:04	75-35-4	
1,1-Dichloropropene	<19.6	ug/kg	60.4	19.6	1	08/22/25 12:03	08/23/25 05:04	563-58-6	
1,2,3-Trichlorobenzene	<67.3	ug/kg	302	67.3	1	08/22/25 12:03	08/23/25 05:04	87-61-6	v2
1,2,3-Trichloropropane	<29.4	ug/kg	60.4	29.4	1	08/22/25 12:03	08/23/25 05:04	96-18-4	
1,2,4-Trichlorobenzene	<49.8	ug/kg	302	49.8	1	08/22/25 12:03	08/23/25 05:04	120-82-1	
1,2,4-Trimethylbenzene	<18.0	ug/kg	60.4	18.0	1	08/22/25 12:03	08/23/25 05:04	95-63-6	
1,2-Dibromo-3-chloropropane	<46.9	ug/kg	302	46.9	1	08/22/25 12:03	08/23/25 05:04	96-12-8	
1,2-Dibromoethane (EDB)	<16.6	ug/kg	60.4	16.6	1	08/22/25 12:03	08/23/25 05:04	106-93-4	
1,2-Dichlorobenzene	<21.2	ug/kg	60.4	21.2	1	08/22/25 12:03	08/23/25 05:04	95-50-1	
1,2-Dichloroethane	<13.9	ug/kg	60.4	13.9	1	08/22/25 12:03	08/23/25 05:04	107-06-2	
1,2-Dichloropropane	<14.4	ug/kg	60.4	14.4	1	08/22/25 12:03	08/23/25 05:04	78-87-5	
1,3,5-Trimethylbenzene	<19.5	ug/kg	60.4	19.5	1	08/22/25 12:03	08/23/25 05:04	108-67-8	
1,3-Dichlorobenzene	<17.8	ug/kg	60.4	17.8	1	08/22/25 12:03	08/23/25 05:04	541-73-1	
1,3-Dichloropropane	<13.2	ug/kg	60.4	13.2	1	08/22/25 12:03	08/23/25 05:04	142-28-9	
1,4-Dichlorobenzene	<18.6	ug/kg	60.4	18.6	1	08/22/25 12:03	08/23/25 05:04	106-46-7	
2,2-Dichloropropane	<16.3	ug/kg	60.4	16.3	1	08/22/25 12:03	08/23/25 05:04	594-20-7	
2-Chlorotoluene	<19.6	ug/kg	60.4	19.6	1	08/22/25 12:03	08/23/25 05:04	95-49-8	
4-Chlorotoluene	<23.0	ug/kg	60.4	23.0	1	08/22/25 12:03	08/23/25 05:04	106-43-4	
Benzene	<14.4	ug/kg	24.2	14.4	1	08/22/25 12:03	08/23/25 05:04	71-43-2	
Bromobenzene	<23.6	ug/kg	60.4	23.6	1	08/22/25 12:03	08/23/25 05:04	108-86-1	
Bromochloromethane	<16.6	ug/kg	60.4	16.6	1	08/22/25 12:03	08/23/25 05:04	74-97-5	
Bromodichloromethane	<14.4	ug/kg	60.4	14.4	1	08/22/25 12:03	08/23/25 05:04	75-27-4	
Bromoform	<266	ug/kg	302	266	1	08/22/25 12:03	08/23/25 05:04	75-25-2	
Bromomethane	<84.7	ug/kg	302	84.7	1	08/22/25 12:03	08/23/25 05:04	74-83-9	
Carbon tetrachloride	<13.3	ug/kg	60.4	13.3	1	08/22/25 12:03	08/23/25 05:04	56-23-5	
Chlorobenzene	<7.2	ug/kg	60.4	7.2	1	08/22/25 12:03	08/23/25 05:04	108-90-7	
Chloroethane	<25.5	ug/kg	302	25.5	1	08/22/25 12:03	08/23/25 05:04	75-00-3	
Chloroform	<43.3	ug/kg	302	43.3	1	08/22/25 12:03	08/23/25 05:04	67-66-3	
Chloromethane	<23.0	ug/kg	60.4	23.0	1	08/22/25 12:03	08/23/25 05:04	74-87-3	
Dibromochloromethane	<207	ug/kg	302	207	1	08/22/25 12:03	08/23/25 05:04	124-48-1	
Dibromomethane	<17.9	ug/kg	60.4	17.9	1	08/22/25 12:03	08/23/25 05:04	74-95-3	
Dichlorodifluoromethane	<26.0	ug/kg	60.4	26.0	1	08/22/25 12:03	08/23/25 05:04	75-71-8	
Diisopropyl ether	<15.0	ug/kg	60.4	15.0	1	08/22/25 12:03	08/23/25 05:04	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-7(2-4) Lab ID: 40300412014 Collected: 08/19/25 15:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<14.4	ug/kg	60.4	14.4	1	08/22/25 12:03	08/23/25 05:04	100-41-4	v2
Hexachloro-1,3-butadiene	<120	ug/kg	302	120	1	08/22/25 12:03	08/23/25 05:04	87-68-3	
Isopropylbenzene (Cumene)	<20.6	ug/kg	60.4	20.6	1	08/22/25 12:03	08/23/25 05:04	98-82-8	
Methyl-tert-butyl ether	<17.8	ug/kg	60.4	17.8	1	08/22/25 12:03	08/23/25 05:04	1634-04-4	
Methylene Chloride	<16.8	ug/kg	60.4	16.8	1	08/22/25 12:03	08/23/25 05:04	75-09-2	
Naphthalene	<25.4	ug/kg	302	25.4	1	08/22/25 12:03	08/23/25 05:04	91-20-3	
Styrene	<15.5	ug/kg	60.4	15.5	1	08/22/25 12:03	08/23/25 05:04	100-42-5	
Tetrachloroethene	<23.4	ug/kg	60.4	23.4	1	08/22/25 12:03	08/23/25 05:04	127-18-4	
Toluene	<19.1	ug/kg	60.4	19.1	1	08/22/25 12:03	08/23/25 05:04	108-88-3	
Trichloroethene	<22.6	ug/kg	60.4	22.6	1	08/22/25 12:03	08/23/25 05:04	79-01-6	
Trichlorofluoromethane	<17.5	ug/kg	60.4	17.5	1	08/22/25 12:03	08/23/25 05:04	75-69-4	
Vinyl chloride	<12.2	ug/kg	60.4	12.2	1	08/22/25 12:03	08/23/25 05:04	75-01-4	
cis-1,2-Dichloroethene	<12.9	ug/kg	60.4	12.9	1	08/22/25 12:03	08/23/25 05:04	156-59-2	
cis-1,3-Dichloropropene	<39.9	ug/kg	302	39.9	1	08/22/25 12:03	08/23/25 05:04	10061-01-5	
m&p-Xylene	<34.7	ug/kg	121	34.7	1	08/22/25 12:03	08/23/25 05:04	179601-23-1	
n-Butylbenzene	<33.9	ug/kg	60.4	33.9	1	08/22/25 12:03	08/23/25 05:04	104-51-8	
n-Propylbenzene	<19.7	ug/kg	60.4	19.7	1	08/22/25 12:03	08/23/25 05:04	103-65-1	
o-Xylene	<19.7	ug/kg	60.4	19.7	1	08/22/25 12:03	08/23/25 05:04	95-47-6	
p-Isopropyltoluene	<20.5	ug/kg	60.4	20.5	1	08/22/25 12:03	08/23/25 05:04	99-87-6	
sec-Butylbenzene	<24.8	ug/kg	60.4	24.8	1	08/22/25 12:03	08/23/25 05:04	135-98-8	
tert-Butylbenzene	<19.0	ug/kg	60.4	19.0	1	08/22/25 12:03	08/23/25 05:04	98-06-6	
trans-1,2-Dichloroethene	<13.2	ug/kg	60.4	13.2	1	08/22/25 12:03	08/23/25 05:04	156-60-5	
trans-1,3-Dichloropropene	<173	ug/kg	302	173	1	08/22/25 12:03	08/23/25 05:04	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	139	%	56-189		1	08/22/25 12:03	08/23/25 05:04	2199-69-1	
4-Bromofluorobenzene (S)	123	%	58-188		1	08/22/25 12:03	08/23/25 05:04	460-00-4	
Toluene-d8 (S)	147	%	70-172		1	08/22/25 12:03	08/23/25 05:04	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	9.5	%	0.10	0.10	1	08/22/25 10:59

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-7(9-11) Lab ID: 40300412015 Collected: 08/19/25 16:00 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:34	7440-38-2	
Barium	19.6	mg/kg	0.55	0.16	1	09/19/25 09:30	09/19/25 19:34	7440-39-3	
Cadmium	<0.15	mg/kg	0.55	0.15	1	09/19/25 09:30	09/19/25 19:34	7440-43-9	
Chromium	11.3	mg/kg	1.1	0.31	1	09/19/25 09:30	09/19/25 19:34	7440-47-3	
Lead	1.5J	mg/kg	2.2	0.66	1	09/19/25 09:30	09/19/25 19:34	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	09/19/25 09:30	09/19/25 19:34	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	09/19/25 09:30	09/19/25 19:34	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.021	mg/kg	0.035	0.021	1	09/16/25 09:18	09/16/25 16:33	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<91.6	ug/kg	186	91.6	1	08/26/25 13:41	08/27/25 18:53	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	74	%	40-130		1	08/26/25 13:41	08/27/25 18:53	4165-60-0	
2-Fluorobiphenyl (S)	67	%	37-130		1	08/26/25 13:41	08/27/25 18:53	321-60-8	
Terphenyl-d14 (S)	73	%	46-132		1	08/26/25 13:41	08/27/25 18:53	1718-51-0	
Phenol-d6 (S)	71	%	34-130		1	08/26/25 13:41	08/27/25 18:53	13127-88-3	
2-Fluorophenol (S)	70	%	28-130		1	08/26/25 13:41	08/27/25 18:53	367-12-4	
2,4,6-Tribromophenol (S)	72	%	29-156		1	08/26/25 13:41	08/27/25 18:53	118-79-6	
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	18.6	2.4	1	08/26/25 08:00	08/26/25 20:03	83-32-9	
Acenaphthylene	10.8J	ug/kg	18.6	2.4	1	08/26/25 08:00	08/26/25 20:03	208-96-8	
Anthracene	<2.3	ug/kg	18.6	2.3	1	08/26/25 08:00	08/26/25 20:03	120-12-7	
Benzo(a)anthracene	25.8	ug/kg	18.6	2.4	1	08/26/25 08:00	08/26/25 20:03	56-55-3	
Benzo(a)pyrene	35.1	ug/kg	18.6	2.1	1	08/26/25 08:00	08/26/25 20:03	50-32-8	
Benzo(b)fluoranthene	48.1	ug/kg	18.6	2.6	1	08/26/25 08:00	08/26/25 20:03	205-99-2	
Benzo(g,h,i)perylene	27.2	ug/kg	18.6	3.3	1	08/26/25 08:00	08/26/25 20:03	191-24-2	
Benzo(k)fluoranthene	20.3	ug/kg	18.6	2.4	1	08/26/25 08:00	08/26/25 20:03	207-08-9	
Chrysene	37.7	ug/kg	18.6	3.5	1	08/26/25 08:00	08/26/25 20:03	218-01-9	
Dibenz(a,h)anthracene	5.2J	ug/kg	18.6	2.6	1	08/26/25 08:00	08/26/25 20:03	53-70-3	
Fluoranthene	51.5	ug/kg	18.6	2.2	1	08/26/25 08:00	08/26/25 20:03	206-44-0	
Fluorene	<2.2	ug/kg	18.6	2.2	1	08/26/25 08:00	08/26/25 20:03	86-73-7	
Indeno(1,2,3-cd)pyrene	21.5	ug/kg	18.6	3.9	1	08/26/25 08:00	08/26/25 20:03	193-39-5	
1-Methylnaphthalene	<2.7	ug/kg	18.6	2.7	1	08/26/25 08:00	08/26/25 20:03	90-12-0	
2-Methylnaphthalene	<2.7	ug/kg	18.6	2.7	1	08/26/25 08:00	08/26/25 20:03	91-57-6	
Naphthalene	<1.8	ug/kg	18.6	1.8	1	08/26/25 08:00	08/26/25 20:03	91-20-3	
Phenanthrene	10.8J	ug/kg	18.6	2.1	1	08/26/25 08:00	08/26/25 20:03	85-01-8	
Pyrene	43.7	ug/kg	18.6	2.7	1	08/26/25 08:00	08/26/25 20:03	129-00-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-7(9-11) Lab ID: 40300412015 Collected: 08/19/25 16:00 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	54	%	36-120		1	08/26/25 08:00	08/26/25 20:03	321-60-8	
Terphenyl-d14 (S)	58	%	36-120		1	08/26/25 08:00	08/26/25 20:03	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.7	ug/kg	61.5	14.7	1	08/22/25 12:03	08/23/25 00:41	630-20-6	
1,1,1-Trichloroethane	<15.7	ug/kg	61.5	15.7	1	08/22/25 12:03	08/23/25 00:41	71-55-6	
1,1,2,2-Tetrachloroethane	<22.3	ug/kg	61.5	22.3	1	08/22/25 12:03	08/23/25 00:41	79-34-5	
1,1,2-Trichloroethane	<22.4	ug/kg	61.5	22.4	1	08/22/25 12:03	08/23/25 00:41	79-00-5	
1,1-Dichloroethane	<15.7	ug/kg	61.5	15.7	1	08/22/25 12:03	08/23/25 00:41	75-34-3	
1,1-Dichloroethene	<20.4	ug/kg	61.5	20.4	1	08/22/25 12:03	08/23/25 00:41	75-35-4	
1,1-Dichloropropene	<19.9	ug/kg	61.5	19.9	1	08/22/25 12:03	08/23/25 00:41	563-58-6	
1,2,3-Trichlorobenzene	<68.5	ug/kg	307	68.5	1	08/22/25 12:03	08/23/25 00:41	87-61-6	v2
1,2,3-Trichloropropane	<29.9	ug/kg	61.5	29.9	1	08/22/25 12:03	08/23/25 00:41	96-18-4	
1,2,4-Trichlorobenzene	<50.6	ug/kg	307	50.6	1	08/22/25 12:03	08/23/25 00:41	120-82-1	
1,2,4-Trimethylbenzene	<18.3	ug/kg	61.5	18.3	1	08/22/25 12:03	08/23/25 00:41	95-63-6	
1,2-Dibromo-3-chloropropane	<47.7	ug/kg	307	47.7	1	08/22/25 12:03	08/23/25 00:41	96-12-8	
1,2-Dibromoethane (EDB)	<16.8	ug/kg	61.5	16.8	1	08/22/25 12:03	08/23/25 00:41	106-93-4	
1,2-Dichlorobenzene	<21.5	ug/kg	61.5	21.5	1	08/22/25 12:03	08/23/25 00:41	95-50-1	
1,2-Dichloroethane	<14.1	ug/kg	61.5	14.1	1	08/22/25 12:03	08/23/25 00:41	107-06-2	
1,2-Dichloropropane	<14.6	ug/kg	61.5	14.6	1	08/22/25 12:03	08/23/25 00:41	78-87-5	
1,3,5-Trimethylbenzene	<19.8	ug/kg	61.5	19.8	1	08/22/25 12:03	08/23/25 00:41	108-67-8	
1,3-Dichlorobenzene	<18.1	ug/kg	61.5	18.1	1	08/22/25 12:03	08/23/25 00:41	541-73-1	
1,3-Dichloropropane	<13.4	ug/kg	61.5	13.4	1	08/22/25 12:03	08/23/25 00:41	142-28-9	
1,4-Dichlorobenzene	<18.9	ug/kg	61.5	18.9	1	08/22/25 12:03	08/23/25 00:41	106-46-7	
2,2-Dichloropropane	<16.6	ug/kg	61.5	16.6	1	08/22/25 12:03	08/23/25 00:41	594-20-7	
2-Chlorotoluene	<19.9	ug/kg	61.5	19.9	1	08/22/25 12:03	08/23/25 00:41	95-49-8	
4-Chlorotoluene	<23.4	ug/kg	61.5	23.4	1	08/22/25 12:03	08/23/25 00:41	106-43-4	
Benzene	<14.6	ug/kg	24.6	14.6	1	08/22/25 12:03	08/23/25 00:41	71-43-2	
Bromobenzene	<24.0	ug/kg	61.5	24.0	1	08/22/25 12:03	08/23/25 00:41	108-86-1	
Bromochloromethane	<16.8	ug/kg	61.5	16.8	1	08/22/25 12:03	08/23/25 00:41	74-97-5	
Bromodichloromethane	<14.6	ug/kg	61.5	14.6	1	08/22/25 12:03	08/23/25 00:41	75-27-4	
Bromoform	<270	ug/kg	307	270	1	08/22/25 12:03	08/23/25 00:41	75-25-2	
Bromomethane	<86.2	ug/kg	307	86.2	1	08/22/25 12:03	08/23/25 00:41	74-83-9	
Carbon tetrachloride	<13.5	ug/kg	61.5	13.5	1	08/22/25 12:03	08/23/25 00:41	56-23-5	
Chlorobenzene	<7.4	ug/kg	61.5	7.4	1	08/22/25 12:03	08/23/25 00:41	108-90-7	
Chloroethane	<25.9	ug/kg	307	25.9	1	08/22/25 12:03	08/23/25 00:41	75-00-3	
Chloroform	<44.0	ug/kg	307	44.0	1	08/22/25 12:03	08/23/25 00:41	67-66-3	
Chloromethane	<23.4	ug/kg	61.5	23.4	1	08/22/25 12:03	08/23/25 00:41	74-87-3	
Dibromochloromethane	<210	ug/kg	307	210	1	08/22/25 12:03	08/23/25 00:41	124-48-1	
Dibromomethane	<18.2	ug/kg	61.5	18.2	1	08/22/25 12:03	08/23/25 00:41	74-95-3	
Dichlorodifluoromethane	<26.4	ug/kg	61.5	26.4	1	08/22/25 12:03	08/23/25 00:41	75-71-8	
Diisopropyl ether	<15.2	ug/kg	61.5	15.2	1	08/22/25 12:03	08/23/25 00:41	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-7(9-11) Lab ID: 40300412015 Collected: 08/19/25 16:00 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Ethylbenzene	<14.6	ug/kg	61.5	14.6	1	08/22/25 12:03	08/23/25 00:41	100-41-4	v2
Hexachloro-1,3-butadiene	<122	ug/kg	307	122	1	08/22/25 12:03	08/23/25 00:41	87-68-3	
Isopropylbenzene (Cumene)	<21.0	ug/kg	61.5	21.0	1	08/22/25 12:03	08/23/25 00:41	98-82-8	
Methyl-tert-butyl ether	<18.1	ug/kg	61.5	18.1	1	08/22/25 12:03	08/23/25 00:41	1634-04-4	
Methylene Chloride	<17.1	ug/kg	61.5	17.1	1	08/22/25 12:03	08/23/25 00:41	75-09-2	
Naphthalene	<25.9	ug/kg	307	25.9	1	08/22/25 12:03	08/23/25 00:41	91-20-3	
Styrene	<15.7	ug/kg	61.5	15.7	1	08/22/25 12:03	08/23/25 00:41	100-42-5	
Tetrachloroethene	<23.8	ug/kg	61.5	23.8	1	08/22/25 12:03	08/23/25 00:41	127-18-4	
Toluene	<19.5	ug/kg	61.5	19.5	1	08/22/25 12:03	08/23/25 00:41	108-88-3	
Trichloroethene	<23.0	ug/kg	61.5	23.0	1	08/22/25 12:03	08/23/25 00:41	79-01-6	
Trichlorofluoromethane	<17.8	ug/kg	61.5	17.8	1	08/22/25 12:03	08/23/25 00:41	75-69-4	
Vinyl chloride	<12.4	ug/kg	61.5	12.4	1	08/22/25 12:03	08/23/25 00:41	75-01-4	
cis-1,2-Dichloroethene	<13.2	ug/kg	61.5	13.2	1	08/22/25 12:03	08/23/25 00:41	156-59-2	
cis-1,3-Dichloropropene	<40.6	ug/kg	307	40.6	1	08/22/25 12:03	08/23/25 00:41	10061-01-5	
m&p-Xylene	<35.3	ug/kg	123	35.3	1	08/22/25 12:03	08/23/25 00:41	179601-23-1	
n-Butylbenzene	<34.5	ug/kg	61.5	34.5	1	08/22/25 12:03	08/23/25 00:41	104-51-8	
n-Propylbenzene	<20.1	ug/kg	61.5	20.1	1	08/22/25 12:03	08/23/25 00:41	103-65-1	
o-Xylene	<20.0	ug/kg	61.5	20.0	1	08/22/25 12:03	08/23/25 00:41	95-47-6	
p-Isopropyltoluene	<20.9	ug/kg	61.5	20.9	1	08/22/25 12:03	08/23/25 00:41	99-87-6	
sec-Butylbenzene	<25.3	ug/kg	61.5	25.3	1	08/22/25 12:03	08/23/25 00:41	135-98-8	
tert-Butylbenzene	<19.3	ug/kg	61.5	19.3	1	08/22/25 12:03	08/23/25 00:41	98-06-6	
trans-1,2-Dichloroethene	<13.4	ug/kg	61.5	13.4	1	08/22/25 12:03	08/23/25 00:41	156-60-5	
trans-1,3-Dichloropropene	<176	ug/kg	307	176	1	08/22/25 12:03	08/23/25 00:41	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	56-189		1	08/22/25 12:03	08/23/25 00:41	2199-69-1	
4-Bromofluorobenzene (S)	92	%	58-188		1	08/22/25 12:03	08/23/25 00:41	460-00-4	
Toluene-d8 (S)	109	%	70-172		1	08/22/25 12:03	08/23/25 00:41	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	10.3	%	0.10	0.10	1		08/22/25 10:59		

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-8(1.5-3.5) Lab ID: 40300412016 Collected: 08/19/25 16:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:36	7440-38-2	
Barium	81.7	mg/kg	0.53	0.16	1	09/19/25 09:30	09/19/25 19:36	7440-39-3	
Cadmium	0.99	mg/kg	0.53	0.14	1	09/19/25 09:30	09/19/25 19:36	7440-43-9	
Chromium	11.2	mg/kg	1.1	0.30	1	09/19/25 09:30	09/19/25 19:36	7440-47-3	
Lead	7.5	mg/kg	2.1	0.64	1	09/19/25 09:30	09/19/25 19:36	7439-92-1	
Selenium	1.4J	mg/kg	4.3	1.4	1	09/19/25 09:30	09/19/25 19:36	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	09/19/25 09:30	09/19/25 19:36	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.023J	mg/kg	0.035	0.021	1	09/16/25 09:18	09/16/25 16:40	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<94.9	ug/kg	193	94.9	1	08/26/25 13:41	08/27/25 19:15	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	67	%	40-130		1	08/26/25 13:41	08/27/25 19:15	4165-60-0	
2-Fluorobiphenyl (S)	61	%	37-130		1	08/26/25 13:41	08/27/25 19:15	321-60-8	
Terphenyl-d14 (S)	70	%	46-132		1	08/26/25 13:41	08/27/25 19:15	1718-51-0	
Phenol-d6 (S)	60	%	34-130		1	08/26/25 13:41	08/27/25 19:15	13127-88-3	
2-Fluorophenol (S)	59	%	28-130		1	08/26/25 13:41	08/27/25 19:15	367-12-4	
2,4,6-Tribromophenol (S)	69	%	29-156		1	08/26/25 13:41	08/27/25 19:15	118-79-6	
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	08/26/25 08:00	08/26/25 21:20	83-32-9	
Acenaphthylene	<2.4	ug/kg	19.3	2.4	1	08/26/25 08:00	08/26/25 21:20	208-96-8	
Anthracene	<2.4	ug/kg	19.3	2.4	1	08/26/25 08:00	08/26/25 21:20	120-12-7	
Benzo(a)anthracene	3.4J	ug/kg	19.3	2.5	1	08/26/25 08:00	08/26/25 21:20	56-55-3	
Benzo(a)pyrene	3.2J	ug/kg	19.3	2.2	1	08/26/25 08:00	08/26/25 21:20	50-32-8	
Benzo(b)fluoranthene	5.7J	ug/kg	19.3	2.7	1	08/26/25 08:00	08/26/25 21:20	205-99-2	
Benzo(g,h,i)perylene	<3.4	ug/kg	19.3	3.4	1	08/26/25 08:00	08/26/25 21:20	191-24-2	
Benzo(k)fluoranthene	<2.5	ug/kg	19.3	2.5	1	08/26/25 08:00	08/26/25 21:20	207-08-9	
Chrysene	3.9J	ug/kg	19.3	3.6	1	08/26/25 08:00	08/26/25 21:20	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	19.3	2.7	1	08/26/25 08:00	08/26/25 21:20	53-70-3	
Fluoranthene	5.5J	ug/kg	19.3	2.3	1	08/26/25 08:00	08/26/25 21:20	206-44-0	
Fluorene	<2.3	ug/kg	19.3	2.3	1	08/26/25 08:00	08/26/25 21:20	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	19.3	4.0	1	08/26/25 08:00	08/26/25 21:20	193-39-5	
1-Methylnaphthalene	<2.8	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 21:20	90-12-0	
2-Methylnaphthalene	<2.8	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 21:20	91-57-6	
Naphthalene	<1.9	ug/kg	19.3	1.9	1	08/26/25 08:00	08/26/25 21:20	91-20-3	
Phenanthrene	2.3J	ug/kg	19.3	2.2	1	08/26/25 08:00	08/26/25 21:20	85-01-8	
Pyrene	4.3J	ug/kg	19.3	2.8	1	08/26/25 08:00	08/26/25 21:20	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-8(1.5-3.5) Lab ID: 40300412016 Collected: 08/19/25 16:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	61	%	36-120		1	08/26/25 08:00	08/26/25 21:20	321-60-8	
Terphenyl-d14 (S)	69	%	36-120		1	08/26/25 08:00	08/26/25 21:20	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<15.7	ug/kg	65.3	15.7	1	08/22/25 12:03	08/23/25 05:25	630-20-6	
1,1,1-Trichloroethane	<16.7	ug/kg	65.3	16.7	1	08/22/25 12:03	08/23/25 05:25	71-55-6	
1,1,2,2-Tetrachloroethane	<23.6	ug/kg	65.3	23.6	1	08/22/25 12:03	08/23/25 05:25	79-34-5	
1,1,2-Trichloroethane	<23.8	ug/kg	65.3	23.8	1	08/22/25 12:03	08/23/25 05:25	79-00-5	
1,1-Dichloroethane	<16.7	ug/kg	65.3	16.7	1	08/22/25 12:03	08/23/25 05:25	75-34-3	
1,1-Dichloroethene	<21.7	ug/kg	65.3	21.7	1	08/22/25 12:03	08/23/25 05:25	75-35-4	
1,1-Dichloropropene	<21.2	ug/kg	65.3	21.2	1	08/22/25 12:03	08/23/25 05:25	563-58-6	
1,2,3-Trichlorobenzene	<72.8	ug/kg	327	72.8	1	08/22/25 12:03	08/23/25 05:25	87-61-6	v2
1,2,3-Trichloropropane	<31.7	ug/kg	65.3	31.7	1	08/22/25 12:03	08/23/25 05:25	96-18-4	
1,2,4-Trichlorobenzene	<53.8	ug/kg	327	53.8	1	08/22/25 12:03	08/23/25 05:25	120-82-1	
1,2,4-Trimethylbenzene	<19.5	ug/kg	65.3	19.5	1	08/22/25 12:03	08/23/25 05:25	95-63-6	
1,2-Dibromo-3-chloropropane	<50.7	ug/kg	327	50.7	1	08/22/25 12:03	08/23/25 05:25	96-12-8	
1,2-Dibromoethane (EDB)	<17.9	ug/kg	65.3	17.9	1	08/22/25 12:03	08/23/25 05:25	106-93-4	
1,2-Dichlorobenzene	<22.9	ug/kg	65.3	22.9	1	08/22/25 12:03	08/23/25 05:25	95-50-1	
1,2-Dichloroethane	<15.0	ug/kg	65.3	15.0	1	08/22/25 12:03	08/23/25 05:25	107-06-2	
1,2-Dichloropropane	<15.5	ug/kg	65.3	15.5	1	08/22/25 12:03	08/23/25 05:25	78-87-5	
1,3,5-Trimethylbenzene	<21.0	ug/kg	65.3	21.0	1	08/22/25 12:03	08/23/25 05:25	108-67-8	
1,3-Dichlorobenzene	<19.2	ug/kg	65.3	19.2	1	08/22/25 12:03	08/23/25 05:25	541-73-1	
1,3-Dichloropropane	<14.2	ug/kg	65.3	14.2	1	08/22/25 12:03	08/23/25 05:25	142-28-9	
1,4-Dichlorobenzene	<20.1	ug/kg	65.3	20.1	1	08/22/25 12:03	08/23/25 05:25	106-46-7	
2,2-Dichloropropane	<17.6	ug/kg	65.3	17.6	1	08/22/25 12:03	08/23/25 05:25	594-20-7	
2-Chlorotoluene	<21.2	ug/kg	65.3	21.2	1	08/22/25 12:03	08/23/25 05:25	95-49-8	
4-Chlorotoluene	<24.8	ug/kg	65.3	24.8	1	08/22/25 12:03	08/23/25 05:25	106-43-4	
Benzene	<15.5	ug/kg	26.1	15.5	1	08/22/25 12:03	08/23/25 05:25	71-43-2	
Bromobenzene	<25.5	ug/kg	65.3	25.5	1	08/22/25 12:03	08/23/25 05:25	108-86-1	
Bromochloromethane	<17.9	ug/kg	65.3	17.9	1	08/22/25 12:03	08/23/25 05:25	74-97-5	
Bromodichloromethane	<15.5	ug/kg	65.3	15.5	1	08/22/25 12:03	08/23/25 05:25	75-27-4	
Bromoform	<287	ug/kg	327	287	1	08/22/25 12:03	08/23/25 05:25	75-25-2	
Bromomethane	<91.6	ug/kg	327	91.6	1	08/22/25 12:03	08/23/25 05:25	74-83-9	
Carbon tetrachloride	<14.4	ug/kg	65.3	14.4	1	08/22/25 12:03	08/23/25 05:25	56-23-5	
Chlorobenzene	<7.8	ug/kg	65.3	7.8	1	08/22/25 12:03	08/23/25 05:25	108-90-7	
Chloroethane	<27.6	ug/kg	327	27.6	1	08/22/25 12:03	08/23/25 05:25	75-00-3	
Chloroform	<46.8	ug/kg	327	46.8	1	08/22/25 12:03	08/23/25 05:25	67-66-3	
Chloromethane	<24.8	ug/kg	65.3	24.8	1	08/22/25 12:03	08/23/25 05:25	74-87-3	
Dibromochloromethane	<223	ug/kg	327	223	1	08/22/25 12:03	08/23/25 05:25	124-48-1	
Dibromomethane	<19.3	ug/kg	65.3	19.3	1	08/22/25 12:03	08/23/25 05:25	74-95-3	
Dichlorodifluoromethane	<28.1	ug/kg	65.3	28.1	1	08/22/25 12:03	08/23/25 05:25	75-71-8	
Diisopropyl ether	<16.2	ug/kg	65.3	16.2	1	08/22/25 12:03	08/23/25 05:25	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-8(1.5-3.5) Lab ID: 40300412016 Collected: 08/19/25 16:30 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Ethylbenzene	<15.5	ug/kg	65.3	15.5	1	08/22/25 12:03	08/23/25 05:25	100-41-4	v2
Hexachloro-1,3-butadiene	<130	ug/kg	327	130	1	08/22/25 12:03	08/23/25 05:25	87-68-3	
Isopropylbenzene (Cumene)	<22.3	ug/kg	65.3	22.3	1	08/22/25 12:03	08/23/25 05:25	98-82-8	
Methyl-tert-butyl ether	<19.2	ug/kg	65.3	19.2	1	08/22/25 12:03	08/23/25 05:25	1634-04-4	
Methylene Chloride	<18.2	ug/kg	65.3	18.2	1	08/22/25 12:03	08/23/25 05:25	75-09-2	
Naphthalene	<27.5	ug/kg	327	27.5	1	08/22/25 12:03	08/23/25 05:25	91-20-3	
Styrene	<16.7	ug/kg	65.3	16.7	1	08/22/25 12:03	08/23/25 05:25	100-42-5	
Tetrachloroethene	<25.3	ug/kg	65.3	25.3	1	08/22/25 12:03	08/23/25 05:25	127-18-4	
Toluene	<20.7	ug/kg	65.3	20.7	1	08/22/25 12:03	08/23/25 05:25	108-88-3	
Trichloroethene	<24.4	ug/kg	65.3	24.4	1	08/22/25 12:03	08/23/25 05:25	79-01-6	
Trichlorofluoromethane	<18.9	ug/kg	65.3	18.9	1	08/22/25 12:03	08/23/25 05:25	75-69-4	
Vinyl chloride	<13.2	ug/kg	65.3	13.2	1	08/22/25 12:03	08/23/25 05:25	75-01-4	
cis-1,2-Dichloroethene	<14.0	ug/kg	65.3	14.0	1	08/22/25 12:03	08/23/25 05:25	156-59-2	
cis-1,3-Dichloropropene	<43.1	ug/kg	327	43.1	1	08/22/25 12:03	08/23/25 05:25	10061-01-5	
m&p-Xylene	<37.5	ug/kg	131	37.5	1	08/22/25 12:03	08/23/25 05:25	179601-23-1	
n-Butylbenzene	<36.7	ug/kg	65.3	36.7	1	08/22/25 12:03	08/23/25 05:25	104-51-8	
n-Propylbenzene	<21.3	ug/kg	65.3	21.3	1	08/22/25 12:03	08/23/25 05:25	103-65-1	
o-Xylene	<21.3	ug/kg	65.3	21.3	1	08/22/25 12:03	08/23/25 05:25	95-47-6	
p-Isopropyltoluene	<22.2	ug/kg	65.3	22.2	1	08/22/25 12:03	08/23/25 05:25	99-87-6	
sec-Butylbenzene	<26.8	ug/kg	65.3	26.8	1	08/22/25 12:03	08/23/25 05:25	135-98-8	
tert-Butylbenzene	<20.5	ug/kg	65.3	20.5	1	08/22/25 12:03	08/23/25 05:25	98-06-6	
trans-1,2-Dichloroethene	<14.3	ug/kg	65.3	14.3	1	08/22/25 12:03	08/23/25 05:25	156-60-5	
trans-1,3-Dichloropropene	<187	ug/kg	327	187	1	08/22/25 12:03	08/23/25 05:25	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	56-189		1	08/22/25 12:03	08/23/25 05:25	2199-69-1	
4-Bromofluorobenzene (S)	94	%	58-188		1	08/22/25 12:03	08/23/25 05:25	460-00-4	
Toluene-d8 (S)	104	%	70-172		1	08/22/25 12:03	08/23/25 05:25	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	13.3	%	0.10	0.10	1		08/22/25 10:59		

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-8(5-7) Lab ID: 40300412017 Collected: 08/19/25 16:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<2.9	mg/kg	4.9	2.9	2	09/19/25 09:30	09/23/25 12:56	7440-38-2	D3
Barium	132	mg/kg	0.98	0.29	2	09/19/25 09:30	09/23/25 12:56	7440-39-3	
Cadmium	<0.26	mg/kg	0.98	0.26	2	09/19/25 09:30	09/23/25 12:56	7440-43-9	D3
Chromium	10.4	mg/kg	2.0	0.55	2	09/19/25 09:30	09/23/25 12:56	7440-47-3	
Lead	<1.2	mg/kg	3.9	1.2	2	09/19/25 09:30	09/23/25 12:56	7439-92-1	D3
Selenium	3.4J	mg/kg	7.9	2.6	2	09/19/25 09:30	09/23/25 12:56	7782-49-2	D3
Silver	<0.60	mg/kg	2.0	0.60	2	09/19/25 09:30	09/23/25 12:56	7440-22-4	D3
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.020	mg/kg	0.034	0.020	1	09/16/25 09:18	09/16/25 16:43	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<85.4	ug/kg	173	85.4	1	08/26/25 13:41	08/27/25 19:36	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	76	%	40-130		1	08/26/25 13:41	08/27/25 19:36	4165-60-0	
2-Fluorobiphenyl (S)	74	%	37-130		1	08/26/25 13:41	08/27/25 19:36	321-60-8	
Terphenyl-d14 (S)	78	%	46-132		1	08/26/25 13:41	08/27/25 19:36	1718-51-0	
Phenol-d6 (S)	70	%	34-130		1	08/26/25 13:41	08/27/25 19:36	13127-88-3	
2-Fluorophenol (S)	66	%	28-130		1	08/26/25 13:41	08/27/25 19:36	367-12-4	
2,4,6-Tribromophenol (S)	67	%	29-156		1	08/26/25 13:41	08/27/25 19:36	118-79-6	
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	08/26/25 08:00	08/27/25 15:44	83-32-9	
Acenaphthylene	2.5J	ug/kg	17.3	2.2	1	08/26/25 08:00	08/27/25 15:44	208-96-8	
Anthracene	<2.1	ug/kg	17.3	2.1	1	08/26/25 08:00	08/27/25 15:44	120-12-7	
Benzo(a)anthracene	4.3J	ug/kg	17.3	2.2	1	08/26/25 08:00	08/27/25 15:44	56-55-3	
Benzo(a)pyrene	5.1J	ug/kg	17.3	2.0	1	08/26/25 08:00	08/27/25 15:44	50-32-8	
Benzo(b)fluoranthene	8.2J	ug/kg	17.3	2.4	1	08/26/25 08:00	08/27/25 15:44	205-99-2	
Benzo(g,h,i)perylene	5.5J	ug/kg	17.3	3.0	1	08/26/25 08:00	08/27/25 15:44	191-24-2	
Benzo(k)fluoranthene	3.7J	ug/kg	17.3	2.2	1	08/26/25 08:00	08/27/25 15:44	207-08-9	
Chrysene	6.3J	ug/kg	17.3	3.3	1	08/26/25 08:00	08/27/25 15:44	218-01-9	
Dibenz(a,h)anthracene	<2.4	ug/kg	17.3	2.4	1	08/26/25 08:00	08/27/25 15:44	53-70-3	
Fluoranthene	7.8J	ug/kg	17.3	2.1	1	08/26/25 08:00	08/27/25 15:44	206-44-0	
Fluorene	<2.1	ug/kg	17.3	2.1	1	08/26/25 08:00	08/27/25 15:44	86-73-7	
Indeno(1,2,3-cd)pyrene	3.6J	ug/kg	17.3	3.6	1	08/26/25 08:00	08/27/25 15:44	193-39-5	
1-Methylnaphthalene	<2.5	ug/kg	17.3	2.5	1	08/26/25 08:00	08/27/25 15:44	90-12-0	
2-Methylnaphthalene	<2.5	ug/kg	17.3	2.5	1	08/26/25 08:00	08/27/25 15:44	91-57-6	
Naphthalene	<1.7	ug/kg	17.3	1.7	1	08/26/25 08:00	08/27/25 15:44	91-20-3	
Phenanthrene	2.7J	ug/kg	17.3	2.0	1	08/26/25 08:00	08/27/25 15:44	85-01-8	
Pyrene	6.8J	ug/kg	17.3	2.5	1	08/26/25 08:00	08/27/25 15:44	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-8(5-7) Lab ID: 40300412017 Collected: 08/19/25 16:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	69	%	36-120		1	08/26/25 08:00	08/27/25 15:44	321-60-8	
Terphenyl-d14 (S)	77	%	36-120		1	08/26/25 08:00	08/27/25 15:44	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<12.9	ug/kg	53.8	12.9	1	08/22/25 12:03	08/23/25 05:45	630-20-6	
1,1,1-Trichloroethane	<13.8	ug/kg	53.8	13.8	1	08/22/25 12:03	08/23/25 05:45	71-55-6	
1,1,2,2-Tetrachloroethane	<19.5	ug/kg	53.8	19.5	1	08/22/25 12:03	08/23/25 05:45	79-34-5	
1,1,2-Trichloroethane	<19.6	ug/kg	53.8	19.6	1	08/22/25 12:03	08/23/25 05:45	79-00-5	
1,1-Dichloroethane	<13.8	ug/kg	53.8	13.8	1	08/22/25 12:03	08/23/25 05:45	75-34-3	
1,1-Dichloroethene	<17.9	ug/kg	53.8	17.9	1	08/22/25 12:03	08/23/25 05:45	75-35-4	
1,1-Dichloropropene	<17.4	ug/kg	53.8	17.4	1	08/22/25 12:03	08/23/25 05:45	563-58-6	
1,2,3-Trichlorobenzene	<60.0	ug/kg	269	60.0	1	08/22/25 12:03	08/23/25 05:45	87-61-6	v2
1,2,3-Trichloropropane	<26.2	ug/kg	53.8	26.2	1	08/22/25 12:03	08/23/25 05:45	96-18-4	
1,2,4-Trichlorobenzene	<44.4	ug/kg	269	44.4	1	08/22/25 12:03	08/23/25 05:45	120-82-1	
1,2,4-Trimethylbenzene	<16.0	ug/kg	53.8	16.0	1	08/22/25 12:03	08/23/25 05:45	95-63-6	
1,2-Dibromo-3-chloropropane	<41.8	ug/kg	269	41.8	1	08/22/25 12:03	08/23/25 05:45	96-12-8	
1,2-Dibromoethane (EDB)	<14.8	ug/kg	53.8	14.8	1	08/22/25 12:03	08/23/25 05:45	106-93-4	
1,2-Dichlorobenzene	<18.9	ug/kg	53.8	18.9	1	08/22/25 12:03	08/23/25 05:45	95-50-1	
1,2-Dichloroethane	<12.4	ug/kg	53.8	12.4	1	08/22/25 12:03	08/23/25 05:45	107-06-2	
1,2-Dichloropropane	<12.8	ug/kg	53.8	12.8	1	08/22/25 12:03	08/23/25 05:45	78-87-5	
1,3,5-Trimethylbenzene	<17.3	ug/kg	53.8	17.3	1	08/22/25 12:03	08/23/25 05:45	108-67-8	
1,3-Dichlorobenzene	<15.8	ug/kg	53.8	15.8	1	08/22/25 12:03	08/23/25 05:45	541-73-1	
1,3-Dichloropropane	<11.7	ug/kg	53.8	11.7	1	08/22/25 12:03	08/23/25 05:45	142-28-9	
1,4-Dichlorobenzene	<16.5	ug/kg	53.8	16.5	1	08/22/25 12:03	08/23/25 05:45	106-46-7	
2,2-Dichloropropane	<14.5	ug/kg	53.8	14.5	1	08/22/25 12:03	08/23/25 05:45	594-20-7	
2-Chlorotoluene	<17.4	ug/kg	53.8	17.4	1	08/22/25 12:03	08/23/25 05:45	95-49-8	
4-Chlorotoluene	<20.5	ug/kg	53.8	20.5	1	08/22/25 12:03	08/23/25 05:45	106-43-4	
Benzene	<12.8	ug/kg	21.5	12.8	1	08/22/25 12:03	08/23/25 05:45	71-43-2	
Bromobenzene	<21.0	ug/kg	53.8	21.0	1	08/22/25 12:03	08/23/25 05:45	108-86-1	
Bromochloromethane	<14.8	ug/kg	53.8	14.8	1	08/22/25 12:03	08/23/25 05:45	74-97-5	
Bromodichloromethane	<12.8	ug/kg	53.8	12.8	1	08/22/25 12:03	08/23/25 05:45	75-27-4	
Bromoform	<237	ug/kg	269	237	1	08/22/25 12:03	08/23/25 05:45	75-25-2	
Bromomethane	<75.5	ug/kg	269	75.5	1	08/22/25 12:03	08/23/25 05:45	74-83-9	
Carbon tetrachloride	<11.8	ug/kg	53.8	11.8	1	08/22/25 12:03	08/23/25 05:45	56-23-5	
Chlorobenzene	<6.4	ug/kg	53.8	6.4	1	08/22/25 12:03	08/23/25 05:45	108-90-7	
Chloroethane	<22.7	ug/kg	269	22.7	1	08/22/25 12:03	08/23/25 05:45	75-00-3	
Chloroform	<38.5	ug/kg	269	38.5	1	08/22/25 12:03	08/23/25 05:45	67-66-3	
Chloromethane	<20.5	ug/kg	53.8	20.5	1	08/22/25 12:03	08/23/25 05:45	74-87-3	
Dibromochloromethane	<184	ug/kg	269	184	1	08/22/25 12:03	08/23/25 05:45	124-48-1	
Dibromomethane	<15.9	ug/kg	53.8	15.9	1	08/22/25 12:03	08/23/25 05:45	74-95-3	
Dichlorodifluoromethane	<23.1	ug/kg	53.8	23.1	1	08/22/25 12:03	08/23/25 05:45	75-71-8	
Diisopropyl ether	<13.4	ug/kg	53.8	13.4	1	08/22/25 12:03	08/23/25 05:45	108-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-8(5-7) Lab ID: 40300412017 Collected: 08/19/25 16:40 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<12.8	ug/kg	53.8	12.8	1	08/22/25 12:03	08/23/25 05:45	100-41-4	v2
Hexachloro-1,3-butadiene	<107	ug/kg	269	107	1	08/22/25 12:03	08/23/25 05:45	87-68-3	
Isopropylbenzene (Cumene)	<18.4	ug/kg	53.8	18.4	1	08/22/25 12:03	08/23/25 05:45	98-82-8	
Methyl-tert-butyl ether	<15.8	ug/kg	53.8	15.8	1	08/22/25 12:03	08/23/25 05:45	1634-04-4	
Methylene Chloride	<15.0	ug/kg	53.8	15.0	1	08/22/25 12:03	08/23/25 05:45	75-09-2	
Naphthalene	<22.6	ug/kg	269	22.6	1	08/22/25 12:03	08/23/25 05:45	91-20-3	
Styrene	<13.8	ug/kg	53.8	13.8	1	08/22/25 12:03	08/23/25 05:45	100-42-5	
Tetrachloroethene	<20.9	ug/kg	53.8	20.9	1	08/22/25 12:03	08/23/25 05:45	127-18-4	
Toluene	<17.0	ug/kg	53.8	17.0	1	08/22/25 12:03	08/23/25 05:45	108-88-3	
Trichloroethene	<20.1	ug/kg	53.8	20.1	1	08/22/25 12:03	08/23/25 05:45	79-01-6	
Trichlorofluoromethane	<15.6	ug/kg	53.8	15.6	1	08/22/25 12:03	08/23/25 05:45	75-69-4	
Vinyl chloride	<10.9	ug/kg	53.8	10.9	1	08/22/25 12:03	08/23/25 05:45	75-01-4	
cis-1,2-Dichloroethene	<11.5	ug/kg	53.8	11.5	1	08/22/25 12:03	08/23/25 05:45	156-59-2	
cis-1,3-Dichloropropene	<35.5	ug/kg	269	35.5	1	08/22/25 12:03	08/23/25 05:45	10061-01-5	
m&p-Xylene	<30.9	ug/kg	108	30.9	1	08/22/25 12:03	08/23/25 05:45	179601-23-1	
n-Butylbenzene	<30.2	ug/kg	53.8	30.2	1	08/22/25 12:03	08/23/25 05:45	104-51-8	
n-Propylbenzene	<17.6	ug/kg	53.8	17.6	1	08/22/25 12:03	08/23/25 05:45	103-65-1	
o-Xylene	<17.5	ug/kg	53.8	17.5	1	08/22/25 12:03	08/23/25 05:45	95-47-6	
p-Isopropyltoluene	<18.3	ug/kg	53.8	18.3	1	08/22/25 12:03	08/23/25 05:45	99-87-6	
sec-Butylbenzene	<22.1	ug/kg	53.8	22.1	1	08/22/25 12:03	08/23/25 05:45	135-98-8	
tert-Butylbenzene	<16.9	ug/kg	53.8	16.9	1	08/22/25 12:03	08/23/25 05:45	98-06-6	
trans-1,2-Dichloroethene	<11.8	ug/kg	53.8	11.8	1	08/22/25 12:03	08/23/25 05:45	156-60-5	
trans-1,3-Dichloropropene	<154	ug/kg	269	154	1	08/22/25 12:03	08/23/25 05:45	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	56-189		1	08/22/25 12:03	08/23/25 05:45	2199-69-1	
4-Bromofluorobenzene (S)	91	%	58-188		1	08/22/25 12:03	08/23/25 05:45	460-00-4	
Toluene-d8 (S)	106	%	70-172		1	08/22/25 12:03	08/23/25 05:45	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	3.7	%	0.10	0.10	1		08/22/25 10:59		

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(16.5-18.5) Lab ID: 40300412018 Collected: 08/19/25 18:00 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:40	7440-38-2	
Barium	43.3	mg/kg	0.51	0.15	1	09/19/25 09:30	09/19/25 19:40	7440-39-3	
Cadmium	<0.14	mg/kg	0.51	0.14	1	09/19/25 09:30	09/19/25 19:40	7440-43-9	
Chromium	13.1	mg/kg	1.0	0.28	1	09/19/25 09:30	09/19/25 19:40	7440-47-3	
Lead	2.2	mg/kg	2.0	0.61	1	09/19/25 09:30	09/19/25 19:40	7439-92-1	
Selenium	<1.3	mg/kg	4.1	1.3	1	09/19/25 09:30	09/19/25 19:40	7782-49-2	
Silver	0.52J	mg/kg	1.0	0.31	1	09/19/25 09:30	09/19/25 19:40	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.022	mg/kg	0.037	0.022	1	09/16/25 09:18	09/16/25 16:45	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	1450	ug/kg	763	376	4	08/26/25 13:41	08/27/25 20:19	87-86-5	D3
Surrogates									
Nitrobenzene-d5 (S)	113	%	40-130		4	08/26/25 13:41	08/27/25 20:19	4165-60-0	
2-Fluorobiphenyl (S)	63	%	37-130		4	08/26/25 13:41	08/27/25 20:19	321-60-8	
Terphenyl-d14 (S)	65	%	46-132		4	08/26/25 13:41	08/27/25 20:19	1718-51-0	
Phenol-d6 (S)	62	%	34-130		4	08/26/25 13:41	08/27/25 20:19	13127-88-3	
2-Fluorophenol (S)	59	%	28-130		4	08/26/25 13:41	08/27/25 20:19	367-12-4	
2,4,6-Tribromophenol (S)	61	%	29-156		4	08/26/25 13:41	08/27/25 20:19	118-79-6	
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	8.8J	ug/kg	19.0	2.5	1	08/28/25 07:25	08/28/25 12:35	83-32-9	
Acenaphthylene	5.1J	ug/kg	19.0	2.4	1	08/28/25 07:25	08/28/25 12:35	208-96-8	
Anthracene	<2.4	ug/kg	19.0	2.4	1	08/28/25 07:25	08/28/25 12:35	120-12-7	
Benzo(a)anthracene	<2.5	ug/kg	19.0	2.5	1	08/28/25 07:25	08/28/25 12:35	56-55-3	
Benzo(a)pyrene	<2.2	ug/kg	19.0	2.2	1	08/28/25 07:25	08/28/25 12:35	50-32-8	
Benzo(b)fluoranthene	<2.6	ug/kg	19.0	2.6	1	08/28/25 07:25	08/28/25 12:35	205-99-2	
Benzo(g,h,i)perylene	<3.3	ug/kg	19.0	3.3	1	08/28/25 07:25	08/28/25 12:35	191-24-2	
Benzo(k)fluoranthene	<2.4	ug/kg	19.0	2.4	1	08/28/25 07:25	08/28/25 12:35	207-08-9	
Chrysene	<3.6	ug/kg	19.0	3.6	1	08/28/25 07:25	08/28/25 12:35	218-01-9	
Dibenz(a,h)anthracene	<2.6	ug/kg	19.0	2.6	1	08/28/25 07:25	08/28/25 12:35	53-70-3	
Fluoranthene	<2.3	ug/kg	19.0	2.3	1	08/28/25 07:25	08/28/25 12:35	206-44-0	
Fluorene	6.9J	ug/kg	19.0	2.3	1	08/28/25 07:25	08/28/25 12:35	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	19.0	4.0	1	08/28/25 07:25	08/28/25 12:35	193-39-5	
1-Methylnaphthalene	376	ug/kg	19.0	2.8	1	08/28/25 07:25	08/28/25 12:35	90-12-0	
2-Methylnaphthalene	568	ug/kg	19.0	2.8	1	08/28/25 07:25	08/28/25 12:35	91-57-6	
Naphthalene	530	ug/kg	19.0	1.9	1	08/28/25 07:25	08/28/25 12:35	91-20-3	
Phenanthrene	25.7	ug/kg	19.0	2.2	1	08/28/25 07:25	08/28/25 12:35	85-01-8	
Pyrene	<2.8	ug/kg	19.0	2.8	1	08/28/25 07:25	08/28/25 12:35	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(16.5-18.5) Lab ID: 40300412018 Collected: 08/19/25 18:00 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	69	%	36-120		1	08/28/25 07:25	08/28/25 12:35	321-60-8	
Terphenyl-d14 (S)	73	%	36-120		1	08/28/25 07:25	08/28/25 12:35	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<768	ug/kg	3200	768	50	08/22/25 12:03	08/23/25 06:05	630-20-6	
1,1,1-Trichloroethane	<820	ug/kg	3200	820	50	08/22/25 12:03	08/23/25 06:05	71-55-6	
1,1,2,2-Tetrachloroethane	<1160	ug/kg	3200	1160	50	08/22/25 12:03	08/23/25 06:05	79-34-5	
1,1,2-Trichloroethane	<1170	ug/kg	3200	1170	50	08/22/25 12:03	08/23/25 06:05	79-00-5	
1,1-Dichloroethane	<820	ug/kg	3200	820	50	08/22/25 12:03	08/23/25 06:05	75-34-3	
1,1-Dichloroethene	<1060	ug/kg	3200	1060	50	08/22/25 12:03	08/23/25 06:05	75-35-4	
1,1-Dichloropropene	<1040	ug/kg	3200	1040	50	08/22/25 12:03	08/23/25 06:05	563-58-6	
1,2,3-Trichlorobenzene	<3570	ug/kg	16000	3570	50	08/22/25 12:03	08/23/25 06:05	87-61-6	v2
1,2,3-Trichloropropane	<1560	ug/kg	3200	1560	50	08/22/25 12:03	08/23/25 06:05	96-18-4	
1,2,4-Trichlorobenzene	<2640	ug/kg	16000	2640	50	08/22/25 12:03	08/23/25 06:05	120-82-1	
1,2,4-Trimethylbenzene	112000	ug/kg	3200	954	50	08/22/25 12:03	08/23/25 06:05	95-63-6	
1,2-Dibromo-3-chloropropane	<2490	ug/kg	16000	2490	50	08/22/25 12:03	08/23/25 06:05	96-12-8	
1,2-Dibromoethane (EDB)	<877	ug/kg	3200	877	50	08/22/25 12:03	08/23/25 06:05	106-93-4	
1,2-Dichlorobenzene	<1120	ug/kg	3200	1120	50	08/22/25 12:03	08/23/25 06:05	95-50-1	
1,2-Dichloroethane	<737	ug/kg	3200	737	50	08/22/25 12:03	08/23/25 06:05	107-06-2	
1,2-Dichloropropane	<762	ug/kg	3200	762	50	08/22/25 12:03	08/23/25 06:05	78-87-5	
1,3,5-Trimethylbenzene	40700	ug/kg	3200	1030	50	08/22/25 12:03	08/23/25 06:05	108-67-8	
1,3-Dichlorobenzene	<942	ug/kg	3200	942	50	08/22/25 12:03	08/23/25 06:05	541-73-1	
1,3-Dichloropropane	<698	ug/kg	3200	698	50	08/22/25 12:03	08/23/25 06:05	142-28-9	
1,4-Dichlorobenzene	<984	ug/kg	3200	984	50	08/22/25 12:03	08/23/25 06:05	106-46-7	
2,2-Dichloropropane	<865	ug/kg	3200	865	50	08/22/25 12:03	08/23/25 06:05	594-20-7	
2-Chlorotoluene	<1040	ug/kg	3200	1040	50	08/22/25 12:03	08/23/25 06:05	95-49-8	
4-Chlorotoluene	<1220	ug/kg	3200	1220	50	08/22/25 12:03	08/23/25 06:05	106-43-4	
Benzene	<762	ug/kg	1280	762	50	08/22/25 12:03	08/23/25 06:05	71-43-2	
Bromobenzene	<1250	ug/kg	3200	1250	50	08/22/25 12:03	08/23/25 06:05	108-86-1	
Bromochloromethane	<877	ug/kg	3200	877	50	08/22/25 12:03	08/23/25 06:05	74-97-5	
Bromodichloromethane	<762	ug/kg	3200	762	50	08/22/25 12:03	08/23/25 06:05	75-27-4	
Bromoform	<14100	ug/kg	16000	14100	50	08/22/25 12:03	08/23/25 06:05	75-25-2	
Bromomethane	<4490	ug/kg	16000	4490	50	08/22/25 12:03	08/23/25 06:05	74-83-9	
Carbon tetrachloride	<705	ug/kg	3200	705	50	08/22/25 12:03	08/23/25 06:05	56-23-5	
Chlorobenzene	<384	ug/kg	3200	384	50	08/22/25 12:03	08/23/25 06:05	108-90-7	
Chloroethane	<1350	ug/kg	16000	1350	50	08/22/25 12:03	08/23/25 06:05	75-00-3	
Chloroform	<2290	ug/kg	16000	2290	50	08/22/25 12:03	08/23/25 06:05	67-66-3	
Chloromethane	<1220	ug/kg	3200	1220	50	08/22/25 12:03	08/23/25 06:05	74-87-3	
Dibromochloromethane	<10900	ug/kg	16000	10900	50	08/22/25 12:03	08/23/25 06:05	124-48-1	
Dibromomethane	<948	ug/kg	3200	948	50	08/22/25 12:03	08/23/25 06:05	74-95-3	
Dichlorodifluoromethane	<1380	ug/kg	3200	1380	50	08/22/25 12:03	08/23/25 06:05	75-71-8	
Diisopropyl ether	<794	ug/kg	3200	794	50	08/22/25 12:03	08/23/25 06:05	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: TS-SS-SB-4(16.5-18.5) Lab ID: 40300412018 Collected: 08/19/25 18:00 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Ethylbenzene	<762	ug/kg	3200	762	50	08/22/25 12:03	08/23/25 06:05	100-41-4	v2
Hexachloro-1,3-butadiene	<6370	ug/kg	16000	6370	50	08/22/25 12:03	08/23/25 06:05	87-68-3	
Isopropylbenzene (Cumene)	2040J	ug/kg	3200	1090	50	08/22/25 12:03	08/23/25 06:05	98-82-8	
Methyl-tert-butyl ether	<942	ug/kg	3200	942	50	08/22/25 12:03	08/23/25 06:05	1634-04-4	
Methylene Chloride	<890	ug/kg	3200	890	50	08/22/25 12:03	08/23/25 06:05	75-09-2	
Naphthalene	2670J	ug/kg	16000	1350	50	08/22/25 12:03	08/23/25 06:05	91-20-3	
Styrene	<820	ug/kg	3200	820	50	08/22/25 12:03	08/23/25 06:05	100-42-5	
Tetrachloroethene	<1240	ug/kg	3200	1240	50	08/22/25 12:03	08/23/25 06:05	127-18-4	
Toluene	<1010	ug/kg	3200	1010	50	08/22/25 12:03	08/23/25 06:05	108-88-3	
Trichloroethene	<1200	ug/kg	3200	1200	50	08/22/25 12:03	08/23/25 06:05	79-01-6	
Trichlorofluoromethane	<929	ug/kg	3200	929	50	08/22/25 12:03	08/23/25 06:05	75-69-4	
Vinyl chloride	<647	ug/kg	3200	647	50	08/22/25 12:03	08/23/25 06:05	75-01-4	
cis-1,2-Dichloroethene	<685	ug/kg	3200	685	50	08/22/25 12:03	08/23/25 06:05	156-59-2	
cis-1,3-Dichloropropene	<2110	ug/kg	16000	2110	50	08/22/25 12:03	08/23/25 06:05	10061-01-5	
m&p-Xylene	<1840	ug/kg	6400	1840	50	08/22/25 12:03	08/23/25 06:05	179601-23-1	
n-Butylbenzene	16400	ug/kg	3200	1800	50	08/22/25 12:03	08/23/25 06:05	104-51-8	
n-Propylbenzene	7270	ug/kg	3200	1050	50	08/22/25 12:03	08/23/25 06:05	103-65-1	
o-Xylene	<1040	ug/kg	3200	1040	50	08/22/25 12:03	08/23/25 06:05	95-47-6	
p-Isopropyltoluene	12300	ug/kg	3200	1090	50	08/22/25 12:03	08/23/25 06:05	99-87-6	
sec-Butylbenzene	9190	ug/kg	3200	1320	50	08/22/25 12:03	08/23/25 06:05	135-98-8	
tert-Butylbenzene	2220J	ug/kg	3200	1010	50	08/22/25 12:03	08/23/25 06:05	98-06-6	
trans-1,2-Dichloroethene	<700	ug/kg	3200	700	50	08/22/25 12:03	08/23/25 06:05	156-60-5	
trans-1,3-Dichloropropene	<9160	ug/kg	16000	9160	50	08/22/25 12:03	08/23/25 06:05	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	293	%	56-189		50	08/22/25 12:03	08/23/25 06:05	2199-69-1	S4
4-Bromofluorobenzene (S)	159	%	58-188		50	08/22/25 12:03	08/23/25 06:05	460-00-4	S4
Toluene-d8 (S)	126	%	70-172		50	08/22/25 12:03	08/23/25 06:05	2037-26-5	S4

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	12.3	%	0.10	0.10	1	08/22/25 10:59

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: MEOH BLANK Lab ID: 40300412019 Collected: 08/19/25 00:01 Received: 08/20/25 16:20 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									
1,1,1,2-Tetrachloroethane	<12.0	ug/kg	50.0	12.0	1	08/22/25 12:03	08/23/25 00:20	630-20-6	
1,1,1-Trichloroethane	<12.8	ug/kg	50.0	12.8	1	08/22/25 12:03	08/23/25 00:20	71-55-6	
1,1,2,2-Tetrachloroethane	<18.1	ug/kg	50.0	18.1	1	08/22/25 12:03	08/23/25 00:20	79-34-5	
1,1,2-Trichloroethane	<18.2	ug/kg	50.0	18.2	1	08/22/25 12:03	08/23/25 00:20	79-00-5	
1,1-Dichloroethane	<12.8	ug/kg	50.0	12.8	1	08/22/25 12:03	08/23/25 00:20	75-34-3	
1,1-Dichloroethene	<16.6	ug/kg	50.0	16.6	1	08/22/25 12:03	08/23/25 00:20	75-35-4	
1,1-Dichloropropene	<16.2	ug/kg	50.0	16.2	1	08/22/25 12:03	08/23/25 00:20	563-58-6	
1,2,3-Trichlorobenzene	<55.7	ug/kg	250	55.7	1	08/22/25 12:03	08/23/25 00:20	87-61-6	v2
1,2,3-Trichloropropane	<24.3	ug/kg	50.0	24.3	1	08/22/25 12:03	08/23/25 00:20	96-18-4	
1,2,4-Trichlorobenzene	<41.2	ug/kg	250	41.2	1	08/22/25 12:03	08/23/25 00:20	120-82-1	
1,2,4-Trimethylbenzene	<14.9	ug/kg	50.0	14.9	1	08/22/25 12:03	08/23/25 00:20	95-63-6	
1,2-Dibromo-3-chloropropane	<38.8	ug/kg	250	38.8	1	08/22/25 12:03	08/23/25 00:20	96-12-8	
1,2-Dibromoethane (EDB)	<13.7	ug/kg	50.0	13.7	1	08/22/25 12:03	08/23/25 00:20	106-93-4	
1,2-Dichlorobenzene	<17.5	ug/kg	50.0	17.5	1	08/22/25 12:03	08/23/25 00:20	95-50-1	
1,2-Dichloroethane	<11.5	ug/kg	50.0	11.5	1	08/22/25 12:03	08/23/25 00:20	107-06-2	
1,2-Dichloropropane	<11.9	ug/kg	50.0	11.9	1	08/22/25 12:03	08/23/25 00:20	78-87-5	
1,3,5-Trimethylbenzene	<16.1	ug/kg	50.0	16.1	1	08/22/25 12:03	08/23/25 00:20	108-67-8	
1,3-Dichlorobenzene	<14.7	ug/kg	50.0	14.7	1	08/22/25 12:03	08/23/25 00:20	541-73-1	
1,3-Dichloropropane	<10.9	ug/kg	50.0	10.9	1	08/22/25 12:03	08/23/25 00:20	142-28-9	
1,4-Dichlorobenzene	<15.4	ug/kg	50.0	15.4	1	08/22/25 12:03	08/23/25 00:20	106-46-7	
2,2-Dichloropropane	<13.5	ug/kg	50.0	13.5	1	08/22/25 12:03	08/23/25 00:20	594-20-7	
2-Chlorotoluene	<16.2	ug/kg	50.0	16.2	1	08/22/25 12:03	08/23/25 00:20	95-49-8	
4-Chlorotoluene	<19.0	ug/kg	50.0	19.0	1	08/22/25 12:03	08/23/25 00:20	106-43-4	
Benzene	<11.9	ug/kg	20.0	11.9	1	08/22/25 12:03	08/23/25 00:20	71-43-2	
Bromobenzene	<19.5	ug/kg	50.0	19.5	1	08/22/25 12:03	08/23/25 00:20	108-86-1	
Bromochloromethane	<13.7	ug/kg	50.0	13.7	1	08/22/25 12:03	08/23/25 00:20	74-97-5	
Bromodichloromethane	<11.9	ug/kg	50.0	11.9	1	08/22/25 12:03	08/23/25 00:20	75-27-4	
Bromoform	<220	ug/kg	250	220	1	08/22/25 12:03	08/23/25 00:20	75-25-2	
Bromomethane	<70.1	ug/kg	250	70.1	1	08/22/25 12:03	08/23/25 00:20	74-83-9	
Carbon tetrachloride	<11.0	ug/kg	50.0	11.0	1	08/22/25 12:03	08/23/25 00:20	56-23-5	
Chlorobenzene	<6.0	ug/kg	50.0	6.0	1	08/22/25 12:03	08/23/25 00:20	108-90-7	
Chloroethane	<21.1	ug/kg	250	21.1	1	08/22/25 12:03	08/23/25 00:20	75-00-3	
Chloroform	<35.8	ug/kg	250	35.8	1	08/22/25 12:03	08/23/25 00:20	67-66-3	
Chloromethane	<19.0	ug/kg	50.0	19.0	1	08/22/25 12:03	08/23/25 00:20	74-87-3	
Dibromochloromethane	<171	ug/kg	250	171	1	08/22/25 12:03	08/23/25 00:20	124-48-1	
Dibromomethane	<14.8	ug/kg	50.0	14.8	1	08/22/25 12:03	08/23/25 00:20	74-95-3	
Dichlorodifluoromethane	<21.5	ug/kg	50.0	21.5	1	08/22/25 12:03	08/23/25 00:20	75-71-8	
Diisopropyl ether	<12.4	ug/kg	50.0	12.4	1	08/22/25 12:03	08/23/25 00:20	108-20-3	
Ethylbenzene	<11.9	ug/kg	50.0	11.9	1	08/22/25 12:03	08/23/25 00:20	100-41-4	
Hexachloro-1,3-butadiene	<99.4	ug/kg	250	99.4	1	08/22/25 12:03	08/23/25 00:20	87-68-3	v2
Isopropylbenzene (Cumene)	<17.1	ug/kg	50.0	17.1	1	08/22/25 12:03	08/23/25 00:20	98-82-8	
Methyl-tert-butyl ether	<14.7	ug/kg	50.0	14.7	1	08/22/25 12:03	08/23/25 00:20	1634-04-4	
Methylene Chloride	<13.9	ug/kg	50.0	13.9	1	08/22/25 12:03	08/23/25 00:20	75-09-2	
Naphthalene	<21.0	ug/kg	250	21.0	1	08/22/25 12:03	08/23/25 00:20	91-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: MEOH BLANK Lab ID: 40300412019 Collected: 08/19/25 00:01 Received: 08/20/25 16:20 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	08/22/25 12:03	08/23/25 00:20	100-42-5	
Tetrachloroethene	<19.4	ug/kg	50.0	19.4	1	08/22/25 12:03	08/23/25 00:20	127-18-4	
Toluene	<15.8	ug/kg	50.0	15.8	1	08/22/25 12:03	08/23/25 00:20	108-88-3	
Trichloroethene	<18.7	ug/kg	50.0	18.7	1	08/22/25 12:03	08/23/25 00:20	79-01-6	
Trichlorofluoromethane	<14.5	ug/kg	50.0	14.5	1	08/22/25 12:03	08/23/25 00:20	75-69-4	
Vinyl chloride	<10.1	ug/kg	50.0	10.1	1	08/22/25 12:03	08/23/25 00:20	75-01-4	
cis-1,2-Dichloroethene	<10.7	ug/kg	50.0	10.7	1	08/22/25 12:03	08/23/25 00:20	156-59-2	
cis-1,3-Dichloropropene	<33.0	ug/kg	250	33.0	1	08/22/25 12:03	08/23/25 00:20	10061-01-5	
m&p-Xylene	<28.7	ug/kg	100	28.7	1	08/22/25 12:03	08/23/25 00:20	179601-23-1	
n-Butylbenzene	<28.1	ug/kg	50.0	28.1	1	08/22/25 12:03	08/23/25 00:20	104-51-8	
n-Propylbenzene	<16.3	ug/kg	50.0	16.3	1	08/22/25 12:03	08/23/25 00:20	103-65-1	
o-Xylene	<16.3	ug/kg	50.0	16.3	1	08/22/25 12:03	08/23/25 00:20	95-47-6	
p-Isopropyltoluene	<17.0	ug/kg	50.0	17.0	1	08/22/25 12:03	08/23/25 00:20	99-87-6	
sec-Butylbenzene	<20.5	ug/kg	50.0	20.5	1	08/22/25 12:03	08/23/25 00:20	135-98-8	
tert-Butylbenzene	<15.7	ug/kg	50.0	15.7	1	08/22/25 12:03	08/23/25 00:20	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/kg	50.0	10.9	1	08/22/25 12:03	08/23/25 00:20	156-60-5	
trans-1,3-Dichloropropene	<143	ug/kg	250	143	1	08/22/25 12:03	08/23/25 00:20	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	90	%	56-189		1	08/22/25 12:03	08/23/25 00:20	2199-69-1	
4-Bromofluorobenzene (S)	78	%	58-188		1	08/22/25 12:03	08/23/25 00:20	460-00-4	
Toluene-d8 (S)	77	%	70-172		1	08/22/25 12:03	08/23/25 00:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: DUP-1 Lab ID: 40300412020 Collected: 08/19/25 14:20 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	09/19/25 09:30	09/19/25 19:42	7440-38-2	
Barium	41.1	mg/kg	0.51	0.15	1	09/19/25 09:30	09/19/25 19:42	7440-39-3	
Cadmium	<0.13	mg/kg	0.51	0.13	1	09/19/25 09:30	09/19/25 19:42	7440-43-9	
Chromium	15.6	mg/kg	1.0	0.28	1	09/19/25 09:30	09/19/25 19:42	7440-47-3	
Lead	2.1	mg/kg	2.0	0.61	1	09/19/25 09:30	09/19/25 19:42	7439-92-1	
Selenium	<1.3	mg/kg	4.0	1.3	1	09/19/25 09:30	09/19/25 19:42	7782-49-2	
Silver	0.54J	mg/kg	1.0	0.31	1	09/19/25 09:30	09/19/25 19:42	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.021	mg/kg	0.036	0.021	1	09/16/25 09:18	09/16/25 15:44	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<88.5	ug/kg	180	88.5	1	08/29/25 10:50	08/29/25 16:09	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	63	%	40-130		1	08/29/25 10:50	08/29/25 16:09	4165-60-0	
2-Fluorobiphenyl (S)	62	%	37-130		1	08/29/25 10:50	08/29/25 16:09	321-60-8	
Terphenyl-d14 (S)	68	%	46-132		1	08/29/25 10:50	08/29/25 16:09	1718-51-0	
Phenol-d6 (S)	61	%	34-130		1	08/29/25 10:50	08/29/25 16:09	13127-88-3	
2-Fluorophenol (S)	57	%	28-130		1	08/29/25 10:50	08/29/25 16:09	367-12-4	
2,4,6-Tribromophenol (S)	68	%	29-156		1	08/29/25 10:50	08/29/25 16:09	118-79-6	
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	08/26/25 08:00	08/27/25 15:59	83-32-9	
Acenaphthylene	<2.3	ug/kg	18.0	2.3	1	08/26/25 08:00	08/27/25 15:59	208-96-8	
Anthracene	<2.2	ug/kg	18.0	2.2	1	08/26/25 08:00	08/27/25 15:59	120-12-7	
Benzo(a)anthracene	<2.3	ug/kg	18.0	2.3	1	08/26/25 08:00	08/27/25 15:59	56-55-3	
Benzo(a)pyrene	<2.0	ug/kg	18.0	2.0	1	08/26/25 08:00	08/27/25 15:59	50-32-8	
Benzo(b)fluoranthene	<2.5	ug/kg	18.0	2.5	1	08/26/25 08:00	08/27/25 15:59	205-99-2	
Benzo(g,h,i)perylene	<3.2	ug/kg	18.0	3.2	1	08/26/25 08:00	08/27/25 15:59	191-24-2	
Benzo(k)fluoranthene	<2.3	ug/kg	18.0	2.3	1	08/26/25 08:00	08/27/25 15:59	207-08-9	
Chrysene	<3.4	ug/kg	18.0	3.4	1	08/26/25 08:00	08/27/25 15:59	218-01-9	
Dibenz(a,h)anthracene	<2.5	ug/kg	18.0	2.5	1	08/26/25 08:00	08/27/25 15:59	53-70-3	
Fluoranthene	<2.1	ug/kg	18.0	2.1	1	08/26/25 08:00	08/27/25 15:59	206-44-0	
Fluorene	<2.2	ug/kg	18.0	2.2	1	08/26/25 08:00	08/27/25 15:59	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.8	ug/kg	18.0	3.8	1	08/26/25 08:00	08/27/25 15:59	193-39-5	
1-Methylnaphthalene	<2.6	ug/kg	18.0	2.6	1	08/26/25 08:00	08/27/25 15:59	90-12-0	
2-Methylnaphthalene	<2.6	ug/kg	18.0	2.6	1	08/26/25 08:00	08/27/25 15:59	91-57-6	
Naphthalene	<1.8	ug/kg	18.0	1.8	1	08/26/25 08:00	08/27/25 15:59	91-20-3	
Phenanthrene	<2.1	ug/kg	18.0	2.1	1	08/26/25 08:00	08/27/25 15:59	85-01-8	
Pyrene	<2.6	ug/kg	18.0	2.6	1	08/26/25 08:00	08/27/25 15:59	129-00-0	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: DUP-1 Lab ID: 40300412020 Collected: 08/19/25 14:20 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	56	%	36-120		1	08/26/25 08:00	08/27/25 15:59	321-60-8	
Terphenyl-d14 (S)	68	%	36-120		1	08/26/25 08:00	08/27/25 15:59	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.8	ug/kg	57.7	13.8	1	08/22/25 12:03	08/25/25 12:39	630-20-6	
1,1,1-Trichloroethane	<14.8	ug/kg	57.7	14.8	1	08/22/25 12:03	08/25/25 12:39	71-55-6	
1,1,2,2-Tetrachloroethane	<20.9	ug/kg	57.7	20.9	1	08/22/25 12:03	08/25/25 12:39	79-34-5	
1,1,2-Trichloroethane	<21.0	ug/kg	57.7	21.0	1	08/22/25 12:03	08/25/25 12:39	79-00-5	
1,1-Dichloroethane	<14.8	ug/kg	57.7	14.8	1	08/22/25 12:03	08/25/25 12:39	75-34-3	
1,1-Dichloroethene	<19.2	ug/kg	57.7	19.2	1	08/22/25 12:03	08/25/25 12:39	75-35-4	
1,1-Dichloropropene	<18.7	ug/kg	57.7	18.7	1	08/22/25 12:03	08/25/25 12:39	563-58-6	
1,2,3-Trichlorobenzene	<64.3	ug/kg	289	64.3	1	08/22/25 12:03	08/25/25 12:39	87-61-6	
1,2,3-Trichloropropane	<28.1	ug/kg	57.7	28.1	1	08/22/25 12:03	08/25/25 12:39	96-18-4	
1,2,4-Trichlorobenzene	<47.6	ug/kg	289	47.6	1	08/22/25 12:03	08/25/25 12:39	120-82-1	
1,2,4-Trimethylbenzene	<17.2	ug/kg	57.7	17.2	1	08/22/25 12:03	08/25/25 12:39	95-63-6	
1,2-Dibromo-3-chloropropane	<44.8	ug/kg	289	44.8	1	08/22/25 12:03	08/25/25 12:39	96-12-8	
1,2-Dibromoethane (EDB)	<15.8	ug/kg	57.7	15.8	1	08/22/25 12:03	08/25/25 12:39	106-93-4	
1,2-Dichlorobenzene	<20.2	ug/kg	57.7	20.2	1	08/22/25 12:03	08/25/25 12:39	95-50-1	
1,2-Dichloroethane	<13.3	ug/kg	57.7	13.3	1	08/22/25 12:03	08/25/25 12:39	107-06-2	
1,2-Dichloropropane	<13.7	ug/kg	57.7	13.7	1	08/22/25 12:03	08/25/25 12:39	78-87-5	
1,3,5-Trimethylbenzene	<18.6	ug/kg	57.7	18.6	1	08/22/25 12:03	08/25/25 12:39	108-67-8	
1,3-Dichlorobenzene	<17.0	ug/kg	57.7	17.0	1	08/22/25 12:03	08/25/25 12:39	541-73-1	
1,3-Dichloropropane	<12.6	ug/kg	57.7	12.6	1	08/22/25 12:03	08/25/25 12:39	142-28-9	
1,4-Dichlorobenzene	<17.7	ug/kg	57.7	17.7	1	08/22/25 12:03	08/25/25 12:39	106-46-7	
2,2-Dichloropropane	<15.6	ug/kg	57.7	15.6	1	08/22/25 12:03	08/25/25 12:39	594-20-7	
2-Chlorotoluene	<18.7	ug/kg	57.7	18.7	1	08/22/25 12:03	08/25/25 12:39	95-49-8	
4-Chlorotoluene	<21.9	ug/kg	57.7	21.9	1	08/22/25 12:03	08/25/25 12:39	106-43-4	
Benzene	<13.7	ug/kg	23.1	13.7	1	08/22/25 12:03	08/25/25 12:39	71-43-2	
Bromobenzene	<22.5	ug/kg	57.7	22.5	1	08/22/25 12:03	08/25/25 12:39	108-86-1	
Bromochloromethane	<15.8	ug/kg	57.7	15.8	1	08/22/25 12:03	08/25/25 12:39	74-97-5	
Bromodichloromethane	<13.7	ug/kg	57.7	13.7	1	08/22/25 12:03	08/25/25 12:39	75-27-4	
Bromoform	<254	ug/kg	289	254	1	08/22/25 12:03	08/25/25 12:39	75-25-2	
Bromomethane	<80.9	ug/kg	289	80.9	1	08/22/25 12:03	08/25/25 12:39	74-83-9	
Carbon tetrachloride	<12.7	ug/kg	57.7	12.7	1	08/22/25 12:03	08/25/25 12:39	56-23-5	
Chlorobenzene	<6.9	ug/kg	57.7	6.9	1	08/22/25 12:03	08/25/25 12:39	108-90-7	
Chloroethane	<24.4	ug/kg	289	24.4	1	08/22/25 12:03	08/25/25 12:39	75-00-3	
Chloroform	<41.3	ug/kg	289	41.3	1	08/22/25 12:03	08/25/25 12:39	67-66-3	
Chloromethane	<21.9	ug/kg	57.7	21.9	1	08/22/25 12:03	08/25/25 12:39	74-87-3	
Dibromochloromethane	<197	ug/kg	289	197	1	08/22/25 12:03	08/25/25 12:39	124-48-1	
Dibromomethane	<17.1	ug/kg	57.7	17.1	1	08/22/25 12:03	08/25/25 12:39	74-95-3	
Dichlorodifluoromethane	<24.8	ug/kg	57.7	24.8	1	08/22/25 12:03	08/25/25 12:39	75-71-8	
Diisopropyl ether	<14.3	ug/kg	57.7	14.3	1	08/22/25 12:03	08/25/25 12:39	108-20-3	

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ANALYTICAL RESULTS

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Sample: DUP-1 Lab ID: 40300412020 Collected: 08/19/25 14:20 Received: 08/20/25 16:20 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Ethylbenzene	<13.7	ug/kg	57.7	13.7	1	08/22/25 12:03	08/25/25 12:39	100-41-4	
Hexachloro-1,3-butadiene	<115	ug/kg	289	115	1	08/22/25 12:03	08/25/25 12:39	87-68-3	
Isopropylbenzene (Cumene)	<19.7	ug/kg	57.7	19.7	1	08/22/25 12:03	08/25/25 12:39	98-82-8	
Methyl-tert-butyl ether	<17.0	ug/kg	57.7	17.0	1	08/22/25 12:03	08/25/25 12:39	1634-04-4	
Methylene Chloride	<16.0	ug/kg	57.7	16.0	1	08/22/25 12:03	08/25/25 12:39	75-09-2	
Naphthalene	<24.3	ug/kg	289	24.3	1	08/22/25 12:03	08/25/25 12:39	91-20-3	
Styrene	<14.8	ug/kg	57.7	14.8	1	08/22/25 12:03	08/25/25 12:39	100-42-5	
Tetrachloroethene	<22.4	ug/kg	57.7	22.4	1	08/22/25 12:03	08/25/25 12:39	127-18-4	
Toluene	<18.3	ug/kg	57.7	18.3	1	08/22/25 12:03	08/25/25 12:39	108-88-3	
Trichloroethene	<21.6	ug/kg	57.7	21.6	1	08/22/25 12:03	08/25/25 12:39	79-01-6	
Trichlorofluoromethane	<16.7	ug/kg	57.7	16.7	1	08/22/25 12:03	08/25/25 12:39	75-69-4	
Vinyl chloride	<11.7	ug/kg	57.7	11.7	1	08/22/25 12:03	08/25/25 12:39	75-01-4	
cis-1,2-Dichloroethene	<12.4	ug/kg	57.7	12.4	1	08/22/25 12:03	08/25/25 12:39	156-59-2	
cis-1,3-Dichloropropene	<38.1	ug/kg	289	38.1	1	08/22/25 12:03	08/25/25 12:39	10061-01-5	
m&p-Xylene	<33.2	ug/kg	115	33.2	1	08/22/25 12:03	08/25/25 12:39	179601-23-1	
n-Butylbenzene	<32.4	ug/kg	57.7	32.4	1	08/22/25 12:03	08/25/25 12:39	104-51-8	
n-Propylbenzene	<18.8	ug/kg	57.7	18.8	1	08/22/25 12:03	08/25/25 12:39	103-65-1	
o-Xylene	<18.8	ug/kg	57.7	18.8	1	08/22/25 12:03	08/25/25 12:39	95-47-6	
p-Isopropyltoluene	<19.6	ug/kg	57.7	19.6	1	08/22/25 12:03	08/25/25 12:39	99-87-6	
sec-Butylbenzene	<23.7	ug/kg	57.7	23.7	1	08/22/25 12:03	08/25/25 12:39	135-98-8	
tert-Butylbenzene	<18.1	ug/kg	57.7	18.1	1	08/22/25 12:03	08/25/25 12:39	98-06-6	
trans-1,2-Dichloroethene	<12.6	ug/kg	57.7	12.6	1	08/22/25 12:03	08/25/25 12:39	156-60-5	
trans-1,3-Dichloropropene	<165	ug/kg	289	165	1	08/22/25 12:03	08/25/25 12:39	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	111	%	56-189		1	08/22/25 12:03	08/25/25 12:39	2199-69-1	
4-Bromofluorobenzene (S)	100	%	58-188		1	08/22/25 12:03	08/25/25 12:39	460-00-4	
Toluene-d8 (S)	116	%	70-172		1	08/22/25 12:03	08/25/25 12:39	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Green Bay

Percent Moisture	7.2	%	0.10	0.10	1	08/22/25 10:59

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

QC Batch:	516180	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008, 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018, 40300412020

METHOD BLANK:	2945428	Matrix:	Solid

Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008, 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018, 40300412020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.020	0.033	09/16/25 15:39	

LABORATORY CONTROL SAMPLE:	2945429

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2945430	2945431

Parameter	Units	40300412020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.021	0.89	0.89	0.86	0.88	95	96	85-115	3	20	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

QC Batch: 516582 Analysis Method: EPA 6010D
QC Batch Method: EPA 3050B Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008, 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018, 40300412020

METHOD BLANK: 2947446 Matrix: Solid
Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008, 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018, 40300412020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	09/19/25 18:49	
Barium	mg/kg	<0.15	0.50	09/19/25 18:49	
Cadmium	mg/kg	<0.13	0.50	09/19/25 18:49	
Chromium	mg/kg	<0.28	1.0	09/19/25 18:49	
Lead	mg/kg	<0.60	2.0	09/19/25 18:49	
Selenium	mg/kg	<1.3	4.0	09/19/25 18:49	
Silver	mg/kg	<0.31	1.0	09/19/25 18:49	

LABORATORY CONTROL SAMPLE: 2947447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	22.8	91	80-120	
Barium	mg/kg	25	24.3	97	80-120	
Cadmium	mg/kg	25	24.5	98	80-120	
Chromium	mg/kg	25	24.4	98	80-120	
Lead	mg/kg	25	25.0	100	80-120	
Selenium	mg/kg	25	25.1	100	80-120	
Silver	mg/kg	12.5	12.0	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2947448 2947449

Parameter	Units	40300412002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	<1.9	31.9	31.6	29.0	28.8	89	89	75-125	1	20	
Barium	mg/kg	15.8	31.9	31.6	54.5	54.3	121	122	75-125	0	20	
Cadmium	mg/kg	<0.17	31.9	31.6	30.4	30.1	96	95	75-125	1	20	
Chromium	mg/kg	11.5	31.9	31.6	40.1	40.8	90	92	75-125	2	20	
Lead	mg/kg	0.90J	31.9	31.6	32.6	31.6	100	97	75-125	3	20	
Selenium	mg/kg	<1.7	31.9	31.6	31.4	30.2	97	93	75-125	4	20	
Silver	mg/kg	<0.39	15.9	15.8	14.9	14.8	94	94	75-125	1	20	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

QC Batch:	514012	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008

METHOD BLANK: 2933827 Matrix: Solid
Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/22/25 20:15	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/22/25 20:15	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/22/25 20:15	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/22/25 20:15	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/22/25 20:15	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/22/25 20:15	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/22/25 20:15	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/22/25 20:15	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/22/25 20:15	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/22/25 20:15	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/22/25 20:15	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/22/25 20:15	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/22/25 20:15	
1,2-Dichlorobenzene	ug/kg	<17.5	50.0	08/22/25 20:15	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/22/25 20:15	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/22/25 20:15	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/22/25 20:15	
1,3-Dichlorobenzene	ug/kg	<14.7	50.0	08/22/25 20:15	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/22/25 20:15	
1,4-Dichlorobenzene	ug/kg	<15.4	50.0	08/22/25 20:15	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/22/25 20:15	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/22/25 20:15	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/22/25 20:15	
Benzene	ug/kg	<11.9	20.0	08/22/25 20:15	
Bromobenzene	ug/kg	<19.5	50.0	08/22/25 20:15	
Bromochloromethane	ug/kg	<13.7	50.0	08/22/25 20:15	
Bromodichloromethane	ug/kg	<11.9	50.0	08/22/25 20:15	
Bromoform	ug/kg	<220	250	08/22/25 20:15	
Bromomethane	ug/kg	<70.1	250	08/22/25 20:15	v1
Carbon tetrachloride	ug/kg	<11.0	50.0	08/22/25 20:15	
Chlorobenzene	ug/kg	<6.0	50.0	08/22/25 20:15	
Chloroethane	ug/kg	<21.1	250	08/22/25 20:15	
Chloroform	ug/kg	<35.8	250	08/22/25 20:15	
Chloromethane	ug/kg	<19.0	50.0	08/22/25 20:15	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/22/25 20:15	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/22/25 20:15	
Dibromochloromethane	ug/kg	<171	250	08/22/25 20:15	
Dibromomethane	ug/kg	<14.8	50.0	08/22/25 20:15	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/22/25 20:15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

METHOD BLANK: 2933827

Matrix: Solid

Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<12.4	50.0	08/22/25 20:15	
Ethylbenzene	ug/kg	<11.9	50.0	08/22/25 20:15	
Hexachloro-1,3-butadiene	ug/kg	109J	250	08/22/25 20:15	v2
Isopropylbenzene (Cumene)	ug/kg	<17.1	50.0	08/22/25 20:15	
m&p-Xylene	ug/kg	<28.7	100	08/22/25 20:15	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/22/25 20:15	
Methylene Chloride	ug/kg	<13.9	50.0	08/22/25 20:15	
n-Butylbenzene	ug/kg	30.0J	50.0	08/22/25 20:15	
n-Propylbenzene	ug/kg	<16.3	50.0	08/22/25 20:15	
Naphthalene	ug/kg	<21.0	250	08/22/25 20:15	
o-Xylene	ug/kg	<16.3	50.0	08/22/25 20:15	
p-Isopropyltoluene	ug/kg	<17.0	50.0	08/22/25 20:15	
sec-Butylbenzene	ug/kg	<20.5	50.0	08/22/25 20:15	
Styrene	ug/kg	<12.8	50.0	08/22/25 20:15	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/22/25 20:15	
Tetrachloroethene	ug/kg	<19.4	50.0	08/22/25 20:15	
Toluene	ug/kg	<15.8	50.0	08/22/25 20:15	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	08/22/25 20:15	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/22/25 20:15	
Trichloroethene	ug/kg	<18.7	50.0	08/22/25 20:15	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/22/25 20:15	
Vinyl chloride	ug/kg	<10.1	50.0	08/22/25 20:15	
1,2-Dichlorobenzene-d4 (S)	%	92	56-189	08/22/25 20:15	
4-Bromofluorobenzene (S)	%	91	58-188	08/22/25 20:15	
Toluene-d8 (S)	%	99	70-172	08/22/25 20:15	

LABORATORY CONTROL SAMPLE: 2933828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2440	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2800	112	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2680	107	70-130	
1,1-Dichloroethane	ug/kg	2500	2540	102	70-130	
1,1-Dichloroethene	ug/kg	2500	2260	91	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2260	90	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2640	106	53-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2700	108	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2630	105	70-130	
1,2-Dichloroethane	ug/kg	2500	2650	106	70-130	
1,2-Dichloropropane	ug/kg	2500	2740	110	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2620	105	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2670	107	70-130	
Benzene	ug/kg	2500	2570	103	70-130	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

LABORATORY CONTROL SAMPLE: 2933828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/kg	2500	2500	100	70-130	
Bromoform	ug/kg	2500	2630	105	59-130	
Bromomethane	ug/kg	2500	2490	100	43-154 v1	
Carbon tetrachloride	ug/kg	2500	2470	99	69-130	
Chlorobenzene	ug/kg	2500	2680	107	70-130	
Chloroethane	ug/kg	2500	2610	105	42-160	
Chloroform	ug/kg	2500	2400	96	70-130	
Chloromethane	ug/kg	2500	2140	85	48-137	
cis-1,2-Dichloroethene	ug/kg	2500	2390	96	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2510	100	70-130	
Dibromochloromethane	ug/kg	2500	2600	104	70-130	
Dichlorodifluoromethane	ug/kg	2500	1340	54	13-130	
Ethylbenzene	ug/kg	2500	2610	104	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2530	101	70-130	
m&p-Xylene	ug/kg	5000	5180	104	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2530	101	70-130	
Methylene Chloride	ug/kg	2500	2190	88	70-130	
o-Xylene	ug/kg	2500	2610	104	70-130	
Styrene	ug/kg	2500	2720	109	70-141	
Tetrachloroethene	ug/kg	2500	2510	100	70-130	
Toluene	ug/kg	2500	2640	106	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2370	95	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2590	104	67-130	
Trichloroethene	ug/kg	2500	2510	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2400	96	60-130	
Vinyl chloride	ug/kg	2500	2230	89	51-130	
1,2-Dichlorobenzene-d4 (S)	%			100	56-189	
4-Bromofluorobenzene (S)	%			100	58-188	
Toluene-d8 (S)	%			105	70-172	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2933829 2933830

Parameter	Units	40300397005 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	<17.5	1370	1370	1210	1220	88	89	44-130	1	31	
1,1,2,2-Tetrachloroethane	ug/kg	<24.8	1370	1370	1570	1480	115	108	61-136	6	23	
1,1,2-Trichloroethane	ug/kg	<24.9	1370	1370	1420	1410	104	103	60-135	1	26	
1,1-Dichloroethane	ug/kg	<17.5	1370	1370	1340	1330	98	97	65-130	1	27	
1,1-Dichloroethene	ug/kg	<22.7	1370	1370	1110	1080	81	79	34-130	3	31	
1,2,4-Trichlorobenzene	ug/kg	<56.4	1370	1370	1650	1510	121	111	64-145	9	23	
1,2-Dibromo-3-chloropropane	ug/kg	<53.1	1370	1370	1490	1430	109	104	43-143	5	27	
1,2-Dibromoethane (EDB)	ug/kg	<18.7	1370	1370	1570	1440	114	105	66-130	8	21	
1,2-Dichlorobenzene	ug/kg	<24.0	1370	1370	1650	1550	120	113	70-141	6	20	
1,2-Dichloroethane	ug/kg	<15.7	1370	1370	1430	1360	104	99	61-141	5	23	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2933829				2933830									
Parameter	Units	40300397005	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
1,2-Dichloropropane	ug/kg	<16.3	1370	1370	1480	1420	108	104	67-130	4	22		
1,3-Dichlorobenzene	ug/kg	<20.1	1370	1370	1600	1540	117	112	70-137	4	20		
1,4-Dichlorobenzene	ug/kg	<21.0	1370	1370	1690	1580	124	115	70-134	7	20		
Benzene	ug/kg	<16.3	1370	1370	1390	1350	102	99	70-130	3	20		
Bromodichloromethane	ug/kg	<16.3	1370	1370	1320	1280	96	94	63-133	3	22		
Bromoform	ug/kg	<301	1370	1370	1360	1360	100	99	44-140	0	24		
Bromomethane	ug/kg	<95.9	1370	1370	1170	1130	86	82	29-161	4	25	v1	
Carbon tetrachloride	ug/kg	<15.1	1370	1370	1180	1160	87	85	30-135	2	29		
Chlorobenzene	ug/kg	<8.2	1370	1370	1460	1470	107	107	70-130	1	23		
Chloroethane	ug/kg	<28.9	1370	1370	1280	1220	93	89	26-162	5	30		
Chloroform	ug/kg	<49.0	1370	1370	1320	1280	97	94	65-131	3	24		
Chloromethane	ug/kg	<26.0	1370	1370	793	800	58	58	14-149	1	27		
cis-1,2-Dichloroethene	ug/kg	<14.6	1370	1370	1280	1300	93	95	66-130	2	21		
cis-1,3-Dichloropropene	ug/kg	<45.2	1370	1370	1340	1270	98	93	63-130	5	20		
Dibromochloromethane	ug/kg	<234	1370	1370	1450	1400	106	102	57-135	4	23		
Dichlorodifluoromethane	ug/kg	<29.4	1370	1370	293	275	21	20	10-130	6	43		
Ethylbenzene	ug/kg	<16.3	1370	1370	1440	1390	105	102	70-130	3	20		
Isopropylbenzene (Cumene)	ug/kg	<23.4	1370	1370	1440	1370	105	100	51-136	5	25		
m&p-Xylene	ug/kg	<39.3	2740	2740	2900	2820	106	103	70-130	3	21		
Methyl-tert-butyl ether	ug/kg	<20.1	1370	1370	1340	1230	98	90	63-130	9	22		
Methylene Chloride	ug/kg	<19.0	1370	1370	1180	1130	86	82	66-134	5	23		
o-Xylene	ug/kg	<22.3	1370	1370	1480	1460	108	107	70-130	2	20		
Styrene	ug/kg	<17.5	1370	1370	1550	1490	113	109	67-155	3	20		
Tetrachloroethene	ug/kg	<26.5	1370	1370	1320	1280	96	94	48-134	3	27		
Toluene	ug/kg	<21.7	1370	1370	1430	1420	104	103	70-130	1	20		
trans-1,2-Dichloroethene	ug/kg	<15.0	1370	1370	1180	1150	87	84	57-130	3	25		
trans-1,3-Dichloropropene	ug/kg	<196	1370	1370	1350	1350	99	99	56-130	0	20		
Trichloroethene	ug/kg	<25.6	1370	1370	1330	1310	97	96	57-130	2	24		
Trichlorofluoromethane	ug/kg	<19.8	1370	1370	1060	1010	77	74	17-130	5	41		
Vinyl chloride	ug/kg	<13.8	1370	1370	904	857	66	63	19-130	5	29		
1,2-Dichlorobenzene-d4 (S)	%						107	105	56-189				
4-Bromofluorobenzene (S)	%						114	109	58-188				
Toluene-d8 (S)	%						121	119	70-172				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

QC Batch:	514124	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018, 40300412019, 40300412020		

METHOD BLANK: 2934444

Matrix: Solid

Associated Lab Samples: 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018, 40300412019, 40300412020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/22/25 19:37	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/22/25 19:37	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/22/25 19:37	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/22/25 19:37	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/22/25 19:37	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/22/25 19:37	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/22/25 19:37	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/22/25 19:37	v2
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/22/25 19:37	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/22/25 19:37	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/22/25 19:37	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/22/25 19:37	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/22/25 19:37	
1,2-Dichlorobenzene	ug/kg	<17.5	50.0	08/22/25 19:37	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/22/25 19:37	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/22/25 19:37	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/22/25 19:37	
1,3-Dichlorobenzene	ug/kg	<14.7	50.0	08/22/25 19:37	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/22/25 19:37	
1,4-Dichlorobenzene	ug/kg	<15.4	50.0	08/22/25 19:37	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/22/25 19:37	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/22/25 19:37	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/22/25 19:37	
Benzene	ug/kg	<11.9	20.0	08/22/25 19:37	
Bromobenzene	ug/kg	<19.5	50.0	08/22/25 19:37	
Bromochloromethane	ug/kg	<13.7	50.0	08/22/25 19:37	
Bromodichloromethane	ug/kg	<11.9	50.0	08/22/25 19:37	
Bromoform	ug/kg	<220	250	08/22/25 19:37	
Bromomethane	ug/kg	<70.1	250	08/22/25 19:37	
Carbon tetrachloride	ug/kg	<11.0	50.0	08/22/25 19:37	
Chlorobenzene	ug/kg	<6.0	50.0	08/22/25 19:37	
Chloroethane	ug/kg	<21.1	250	08/22/25 19:37	
Chloroform	ug/kg	<35.8	250	08/22/25 19:37	
Chloromethane	ug/kg	<19.0	50.0	08/22/25 19:37	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/22/25 19:37	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/22/25 19:37	
Dibromochloromethane	ug/kg	<171	250	08/22/25 19:37	
Dibromomethane	ug/kg	<14.8	50.0	08/22/25 19:37	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/22/25 19:37	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

METHOD BLANK: 2934444

Matrix: Solid

Associated Lab Samples: 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018, 40300412019, 40300412020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<12.4	50.0	08/22/25 19:37	
Ethylbenzene	ug/kg	<11.9	50.0	08/22/25 19:37	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/22/25 19:37	v2
Isopropylbenzene (Cumene)	ug/kg	<17.1	50.0	08/22/25 19:37	
m&p-Xylene	ug/kg	<28.7	100	08/22/25 19:37	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/22/25 19:37	
Methylene Chloride	ug/kg	<13.9	50.0	08/22/25 19:37	
n-Butylbenzene	ug/kg	<28.1	50.0	08/22/25 19:37	
n-Propylbenzene	ug/kg	<16.3	50.0	08/22/25 19:37	
Naphthalene	ug/kg	<21.0	250	08/22/25 19:37	
o-Xylene	ug/kg	<16.3	50.0	08/22/25 19:37	
p-Isopropyltoluene	ug/kg	<17.0	50.0	08/22/25 19:37	
sec-Butylbenzene	ug/kg	<20.5	50.0	08/22/25 19:37	
Styrene	ug/kg	<12.8	50.0	08/22/25 19:37	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/22/25 19:37	
Tetrachloroethene	ug/kg	<19.4	50.0	08/22/25 19:37	
Toluene	ug/kg	<15.8	50.0	08/22/25 19:37	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	08/22/25 19:37	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/22/25 19:37	
Trichloroethene	ug/kg	<18.7	50.0	08/22/25 19:37	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/22/25 19:37	
Vinyl chloride	ug/kg	<10.1	50.0	08/22/25 19:37	
1,2-Dichlorobenzene-d4 (S)	%	81	56-189	08/22/25 19:37	
4-Bromofluorobenzene (S)	%	77	58-188	08/22/25 19:37	
Toluene-d8 (S)	%	88	70-172	08/22/25 19:37	

LABORATORY CONTROL SAMPLE: 2934445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2230	89	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2930	117	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2430	97	70-130	
1,1-Dichloroethane	ug/kg	2500	2560	102	70-130	
1,1-Dichloroethene	ug/kg	2500	2000	80	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2380	95	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2740	109	53-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2420	97	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2660	106	70-130	
1,2-Dichloroethane	ug/kg	2500	2700	108	70-130	
1,2-Dichloropropane	ug/kg	2500	2420	97	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2720	109	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2710	108	70-130	
Benzene	ug/kg	2500	2440	98	70-130	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

LABORATORY CONTROL SAMPLE: 2934445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/kg	2500	2310	92	70-130	
Bromoform	ug/kg	2500	2280	91	59-130	
Bromomethane	ug/kg	2500	2380	95	43-154	
Carbon tetrachloride	ug/kg	2500	2150	86	69-130	
Chlorobenzene	ug/kg	2500	2440	98	70-130	
Chloroethane	ug/kg	2500	2340	94	42-160	
Chloroform	ug/kg	2500	2520	101	70-130	
Chloromethane	ug/kg	2500	2170	87	48-137	
cis-1,2-Dichloroethene	ug/kg	2500	2180	87	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Dibromochloromethane	ug/kg	2500	2380	95	70-130	
Dichlorodifluoromethane	ug/kg	2500	1110	45	13-130	
Ethylbenzene	ug/kg	2500	2390	96	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2330	93	70-130	
m&p-Xylene	ug/kg	5000	4880	98	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2280	91	70-130	
Methylene Chloride	ug/kg	2500	2420	97	70-130	
o-Xylene	ug/kg	2500	2360	94	70-130	
Styrene	ug/kg	2500	2470	99	70-141	
Tetrachloroethene	ug/kg	2500	2280	91	70-130	
Toluene	ug/kg	2500	2380	95	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2290	92	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2190	87	67-130	
Trichloroethene	ug/kg	2500	2400	96	70-130	
Trichlorofluoromethane	ug/kg	2500	2370	95	60-130	
Vinyl chloride	ug/kg	2500	2230	89	51-130	
1,2-Dichlorobenzene-d4 (S)	%			94	56-189	
4-Bromofluorobenzene (S)	%			86	58-188	
Toluene-d8 (S)	%			90	70-172	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934446 2934447

Parameter	Units	40300412015	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result										
1,1,1-Trichloroethane	ug/kg	<15.7	1230	1230	837	873	68	71	44-130	4	31	
1,1,2,2-Tetrachloroethane	ug/kg	<22.3	1230	1230	1310	1260	106	103	61-136	3	23	
1,1,2-Trichloroethane	ug/kg	<22.4	1230	1230	1290	1140	105	92	60-135	12	26	
1,1-Dichloroethane	ug/kg	<15.7	1230	1230	1070	1110	87	90	65-130	3	27	
1,1-Dichloroethene	ug/kg	<20.4	1230	1230	703	708	57	58	34-130	1	31	
1,2,4-Trichlorobenzene	ug/kg	<50.6	1230	1230	1290	1120	105	91	64-145	15	23	
1,2-Dibromo-3-chloropropane	ug/kg	<47.7	1230	1230	1160	1060	94	86	43-143	9	27	
1,2-Dibromoethane (EDB)	ug/kg	<16.8	1230	1230	1160	1090	95	89	66-130	6	21	
1,2-Dichlorobenzene	ug/kg	<21.5	1230	1230	1270	1230	104	100	70-141	4	20	
1,2-Dichloroethane	ug/kg	<14.1	1230	1230	1220	1200	99	98	61-141	1	23	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934446 2934447											
Parameter	Units	40300412015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,2-Dichloropropane	ug/kg	<14.6	1230	1230	1090	1120	89	91	67-130	2	22
1,3-Dichlorobenzene	ug/kg	<18.1	1230	1230	1240	1240	101	101	70-137	1	20
1,4-Dichlorobenzene	ug/kg	<18.9	1230	1230	1250	1270	102	103	70-134	2	20
Benzene	ug/kg	<14.6	1230	1230	1060	1080	86	88	70-130	2	20
Bromodichloromethane	ug/kg	<14.6	1230	1230	1030	973	84	79	63-133	6	22
Bromoform	ug/kg	<270	1230	1230	960	929	78	76	44-140	3	24
Bromomethane	ug/kg	<86.2	1230	1230	977	858	79	70	29-161	13	25
Carbon tetrachloride	ug/kg	<13.5	1230	1230	825	771	67	63	30-135	7	29
Chlorobenzene	ug/kg	<7.4	1230	1230	1150	1170	93	95	70-130	2	23
Chloroethane	ug/kg	<25.9	1230	1230	952	929	77	76	26-162	2	30
Chloroform	ug/kg	<44.0	1230	1230	1100	1060	86	84	65-131	3	24
Chloromethane	ug/kg	<23.4	1230	1230	620	619	50	50	14-149	0	27
cis-1,2-Dichloroethene	ug/kg	<13.2	1230	1230	979	1010	80	82	66-130	3	21
cis-1,3-Dichloropropene	ug/kg	<40.6	1230	1230	1010	1030	82	84	63-130	2	20
Dibromochloromethane	ug/kg	<210	1230	1230	1080	1040	88	85	57-135	3	23
Dichlorodifluoromethane	ug/kg	<26.4	1230	1230	158	167	13	14	10-130	6	43
Ethylbenzene	ug/kg	<14.6	1230	1230	1070	1090	87	89	70-130	2	20
Isopropylbenzene (Cumene)	ug/kg	<21.0	1230	1230	1080	1070	88	87	51-136	1	25
m&p-Xylene	ug/kg	<35.3	2460	2460	2220	2300	90	93	70-130	3	21
Methyl-tert-butyl ether	ug/kg	<18.1	1230	1230	1000	948	81	77	63-130	5	22
Methylene Chloride	ug/kg	<17.1	1230	1230	1060	1040	86	85	66-134	1	23
o-Xylene	ug/kg	<20.0	1230	1230	1140	1150	93	94	70-130	1	20
Styrene	ug/kg	<15.7	1230	1230	1150	1150	94	94	67-155	0	20
Tetrachloroethene	ug/kg	<23.8	1230	1230	1020	1010	83	82	48-134	1	27
Toluene	ug/kg	<19.5	1230	1230	1080	1080	88	88	70-130	1	20
trans-1,2-Dichloroethene	ug/kg	<13.4	1230	1230	879	903	72	73	57-130	3	25
trans-1,3-Dichloropropene	ug/kg	<176	1230	1230	977	949	80	77	56-130	3	20
Trichloroethene	ug/kg	<23.0	1230	1230	959	998	78	81	57-130	4	24
Trichlorofluoromethane	ug/kg	<17.8	1230	1230	775	747	63	61	17-130	4	41
Vinyl chloride	ug/kg	<12.4	1230	1230	662	655	54	53	19-130	1	29
1,2-Dichlorobenzene-d4 (S)	%						103	100	56-189		
4-Bromofluorobenzene (S)	%						97	100	58-188		
Toluene-d8 (S)	%						107	108	70-172		

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

QC Batch:	514320	Analysis Method:	EPA 8270E
QC Batch Method:	EPA 3546	Analysis Description:	8270E Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008, 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018		

METHOD BLANK:	2935428	Matrix:	Solid
Associated Lab Samples:	40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008, 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Pentachlorophenol	ug/kg	<82.3	167	08/27/25 14:59	
2,4,6-Tribromophenol (S)	%	75	29-156	08/27/25 14:59	
2-Fluorobiphenyl (S)	%	72	37-130	08/27/25 14:59	
2-Fluorophenol (S)	%	68	28-130	08/27/25 14:59	
Nitrobenzene-d5 (S)	%	70	40-130	08/27/25 14:59	
Phenol-d6 (S)	%	69	34-130	08/27/25 14:59	
Terphenyl-d14 (S)	%	77	46-132	08/27/25 14:59	

LABORATORY CONTROL SAMPLE: 2935429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/kg	1670	1070	64	46-135	
2,4,6-Tribromophenol (S)	%			81	29-156	
2-Fluorobiphenyl (S)	%			81	37-130	
2-Fluorophenol (S)	%			75	28-130	
Nitrobenzene-d5 (S)	%			82	40-130	
Phenol-d6 (S)	%			77	34-130	
Terphenyl-d14 (S)	%			83	46-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2935430 2935431

Parameter	Units	40300539001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Pentachlorophenol	ug/kg	<0.091 mg/kg	1850	1850	1030	1040	56	56	10-140	0	50
2,4,6-Tribromophenol (S)	%						73	73	29-156		
2-Fluorobiphenyl (S)	%						71	71	37-130		
2-Fluorophenol (S)	%						69	68	28-130		
Nitrobenzene-d5 (S)	%						74	71	40-130		
Phenol-d6 (S)	%						71	69	34-130		
Terphenyl-d14 (S)	%						73	71	46-132		

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

QC Batch:	514688	Analysis Method:	EPA 8270E
QC Batch Method:	EPA 3546	Analysis Description:	8270E Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300412020

METHOD BLANK: 2937327 Matrix: Solid

Associated Lab Samples: 40300412020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Pentachlorophenol	ug/kg	<82.2	167	08/29/25 12:15	
2,4,6-Tribromophenol (S)	%	77	29-156	08/29/25 12:15	
2-Fluorobiphenyl (S)	%	70	37-130	08/29/25 12:15	
2-Fluorophenol (S)	%	57	28-130	08/29/25 12:15	
Nitrobenzene-d5 (S)	%	64	40-130	08/29/25 12:15	
Phenol-d6 (S)	%	60	34-130	08/29/25 12:15	
Terphenyl-d14 (S)	%	78	46-132	08/29/25 12:15	

LABORATORY CONTROL SAMPLE: 2937328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/kg	1660	1070	64	46-135	
2,4,6-Tribromophenol (S)	%			74	29-156	
2-Fluorobiphenyl (S)	%			75	37-130	
2-Fluorophenol (S)	%			68	28-130	
Nitrobenzene-d5 (S)	%			76	40-130	
Phenol-d6 (S)	%			72	34-130	
Terphenyl-d14 (S)	%			78	46-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2937329 2937330

Parameter	Units	40300541004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pentachlorophenol	ug/kg	<0.10 mg/kg	2030	2020	1090	1220	54	60	10-140	11	50	
2,4,6-Tribromophenol (S)	%						68	77	29-156			
2-Fluorobiphenyl (S)	%						66	75	37-130			
2-Fluorophenol (S)	%						66	69	28-130			
Nitrobenzene-d5 (S)	%						69	75	40-130			
Phenol-d6 (S)	%						66	71	34-130			
Terphenyl-d14 (S)	%						68	76	46-132			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

QC Batch:	514319	Analysis Method:	EPA 8270E by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270E/3546 MSSV PAH by SIM
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008, 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412020

METHOD BLANK:	2935424	Matrix:	Solid

Associated Lab Samples: 40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008, 40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/26/25 10:36	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/26/25 10:36	
Acenaphthene	ug/kg	<2.2	16.7	08/26/25 10:36	
Acenaphthylene	ug/kg	<2.1	16.7	08/26/25 10:36	
Anthracene	ug/kg	<2.1	16.7	08/26/25 10:36	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/26/25 10:36	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/26/25 10:36	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/26/25 10:36	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/26/25 10:36	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/26/25 10:36	
Chrysene	ug/kg	<3.2	16.7	08/26/25 10:36	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/26/25 10:36	
Fluoranthene	ug/kg	<2.0	16.7	08/26/25 10:36	
Fluorene	ug/kg	<2.0	16.7	08/26/25 10:36	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/26/25 10:36	
Naphthalene	ug/kg	<1.6	16.7	08/26/25 10:36	
Phenanthrene	ug/kg	<1.9	16.7	08/26/25 10:36	
Pyrene	ug/kg	<2.5	16.7	08/26/25 10:36	
2-Fluorobiphenyl (S)	%	72	36-120	08/26/25 10:36	
Terphenyl-d14 (S)	%	87	36-120	08/26/25 10:36	

LABORATORY CONTROL SAMPLE: 2935425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	235	71	51-120	
2-Methylnaphthalene	ug/kg	333	230	69	51-120	
Acenaphthene	ug/kg	333	229	69	56-120	
Acenaphthylene	ug/kg	333	239	72	56-120	
Anthracene	ug/kg	333	272	82	61-120	
Benzo(a)anthracene	ug/kg	333	229	69	54-120	
Benzo(a)pyrene	ug/kg	333	262	79	63-120	
Benzo(b)fluoranthene	ug/kg	333	259	78	60-120	
Benzo(g,h,i)perylene	ug/kg	333	257	77	68-125	
Benzo(k)fluoranthene	ug/kg	333	276	83	62-120	
Chrysene	ug/kg	333	261	78	60-120	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

LABORATORY CONTROL SAMPLE: 2935425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	ug/kg	333	280	84	62-120	
Fluoranthene	ug/kg	333	278	83	62-120	
Fluorene	ug/kg	333	254	76	59-120	
Indeno(1,2,3-cd)pyrene	ug/kg	333	273	82	63-120	
Naphthalene	ug/kg	333	229	69	48-120	
Phenanthrene	ug/kg	333	247	74	57-120	
Pyrene	ug/kg	333	236	71	57-120	
2-Fluorobiphenyl (S)	%			71	36-120	
Terphenyl-d14 (S)	%			80	36-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2935426 2935427

Parameter	Units	40300412002	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		Result									
1-Methylnaphthalene	ug/kg	<3.1	426	424	301	289	71	68	23-120	4	30
2-Methylnaphthalene	ug/kg	<3.1	426	424	296	281	70	66	24-120	5	31
Acenaphthene	ug/kg	<2.8	426	424	290	277	68	65	38-120	4	37
Acenaphthylene	ug/kg	<2.7	426	424	299	286	70	67	41-120	5	31
Anthracene	ug/kg	<2.6	426	424	314	319	74	75	44-120	1	31
Benzo(a)anthracene	ug/kg	<2.7	426	424	263	251	62	59	32-120	5	34
Benzo(a)pyrene	ug/kg	<2.4	426	424	318	306	75	72	37-120	4	34
Benzo(b)fluoranthene	ug/kg	<3.0	426	424	299	278	70	65	37-120	7	46
Benzo(g,h,i)perylene	ug/kg	<3.7	426	424	298	286	70	67	33-125	4	35
Benzo(k)fluoranthene	ug/kg	<2.7	426	424	321	316	76	74	41-120	2	36
Chrysene	ug/kg	<4.0	426	424	309	299	73	70	38-120	3	35
Dibenz(a,h)anthracene	ug/kg	<2.9	426	424	322	307	76	72	34-120	5	33
Fluoranthene	ug/kg	<2.5	426	424	330	334	78	79	37-120	1	48
Fluorene	ug/kg	<2.6	426	424	311	303	73	71	36-120	3	35
Indeno(1,2,3-cd)pyrene	ug/kg	<4.4	426	424	314	300	74	71	33-120	5	34
Naphthalene	ug/kg	<2.1	426	424	299	284	70	67	27-120	5	39
Phenanthrene	ug/kg	<2.4	426	424	291	294	68	69	33-120	1	50
Pyrene	ug/kg	<3.1	426	424	267	257	63	61	34-120	4	45
2-Fluorobiphenyl (S)	%						68	66	36-120		
Terphenyl-d14 (S)	%						72	71	36-120		

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

QC Batch:	514574	Analysis Method:	EPA 8270E by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270E/3546 MSSV PAH by SIM
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300412018

METHOD BLANK: 2936665 Matrix: Solid

Associated Lab Samples: 40300412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/28/25 09:46	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/28/25 09:46	
Acenaphthene	ug/kg	<2.2	16.7	08/28/25 09:46	
Acenaphthylene	ug/kg	<2.1	16.7	08/28/25 09:46	
Anthracene	ug/kg	<2.1	16.7	08/28/25 09:46	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/28/25 09:46	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/28/25 09:46	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/28/25 09:46	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/28/25 09:46	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/28/25 09:46	
Chrysene	ug/kg	<3.1	16.7	08/28/25 09:46	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/28/25 09:46	
Fluoranthene	ug/kg	<2.0	16.7	08/28/25 09:46	
Fluorene	ug/kg	<2.0	16.7	08/28/25 09:46	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/28/25 09:46	
Naphthalene	ug/kg	<1.6	16.7	08/28/25 09:46	
Phenanthrene	ug/kg	<1.9	16.7	08/28/25 09:46	
Pyrene	ug/kg	<2.5	16.7	08/28/25 09:46	
2-Fluorobiphenyl (S)	%	77	36-120	08/28/25 09:46	
Terphenyl-d14 (S)	%	95	36-120	08/28/25 09:46	

LABORATORY CONTROL SAMPLE: 2936666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	221	66	51-120	
2-Methylnaphthalene	ug/kg	333	219	66	51-120	
Acenaphthene	ug/kg	333	224	67	56-120	
Acenaphthylene	ug/kg	333	230	69	56-120	
Anthracene	ug/kg	333	267	80	61-120	
Benzo(a)anthracene	ug/kg	333	211	63	54-120	
Benzo(a)pyrene	ug/kg	333	259	78	63-120	
Benzo(b)fluoranthene	ug/kg	333	240	72	60-120	
Benzo(g,h,i)perylene	ug/kg	333	248	75	68-125	
Benzo(k)fluoranthene	ug/kg	333	265	80	62-120	
Chrysene	ug/kg	333	256	77	60-120	
Dibenz(a,h)anthracene	ug/kg	333	271	81	62-120	
Fluoranthene	ug/kg	333	267	80	62-120	
Fluorene	ug/kg	333	241	72	59-120	
Indeno(1,2,3-cd)pyrene	ug/kg	333	264	79	63-120	

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

LABORATORY CONTROL SAMPLE: 2936666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	333	218	66	48-120	
Phenanthrene	ug/kg	333	233	70	57-120	
Pyrene	ug/kg	333	211	63	57-120	
2-Fluorobiphenyl (S)	%			68	36-120	
Terphenyl-d14 (S)	%			77	36-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2936667 2936668

Parameter	Units	40300467005		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	% Rec		RPD	RPD	
1-Methylnaphthalene	ug/kg	<2.8	388	387	294	256	76	66	23-120	14	30		
2-Methylnaphthalene	ug/kg	<2.8	388	387	290	257	75	66	24-120	12	31		
Acenaphthene	ug/kg	<2.5	388	387	292	255	75	66	38-120	14	37		
Acenaphthylene	ug/kg	<2.4	388	387	296	257	76	66	41-120	14	31		
Anthracene	ug/kg	4.6J	388	387	316	278	80	71	44-120	13	31		
Benzo(a)anthracene	ug/kg	7.5J	388	387	294	260	74	65	32-120	12	34		
Benzo(a)pyrene	ug/kg	10.5J	388	387	330	299	83	75	37-120	10	34		
Benzo(b)fluoranthene	ug/kg	13.8J	388	387	330	292	82	72	37-120	12	46		
Benzo(g,h,i)perylene	ug/kg	10.3J	388	387	322	278	81	69	33-125	15	35		
Benzo(k)fluoranthene	ug/kg	15.9J	388	387	323	277	79	67	41-120	16	36		
Chrysene	ug/kg	40.2	388	387	319	265	72	58	38-120	18	35		
Dibenz(a,h)anthracene	ug/kg	5.7J	388	387	343	296	87	75	34-120	15	33		
Fluoranthene	ug/kg	28.6	388	387	377	339	90	80	37-120	11	48		
Fluorene	ug/kg	<2.3	388	387	314	275	81	71	36-120	13	35		
Indeno(1,2,3-cd)pyrene	ug/kg	7.5J	388	387	335	289	84	73	33-120	15	34		
Naphthalene	ug/kg	<1.9	388	387	281	256	72	66	27-120	9	39		
Phenanthrene	ug/kg	18.2J	388	387	346	299	85	73	33-120	15	50		
Pyrene	ug/kg	30.3	388	387	302	263	70	60	34-120	14	45		
2-Fluorobiphenyl (S)	%						72	62	36-120				
Terphenyl-d14 (S)	%						82	68	36-120				

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QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

QC Batch:	513989	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40300412001, 40300412002, 40300412003, 40300412004, 40300412005, 40300412006, 40300412007, 40300412008		

SAMPLE DUPLICATE: 2933674

Parameter	Units	40300414001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.6	6.6	1	10	

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REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

QC Batch:	514100	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40300412009, 40300412010, 40300412011, 40300412012, 40300412013, 40300412014, 40300412015, 40300412016, 40300412017, 40300412018, 40300412020		

SAMPLE DUPLICATE: 2934344

Parameter	Units	40300438002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.1	12.5	5	10	

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QUALIFIERS

Project: 1940108334-004 Wausau -Thomas
Pace Project No.: 40300412

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

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

S0 Surrogate recovery outside laboratory control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

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.

v2 The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40300412001	TS-SS-SB-1(2-4)	EPA 3050B	516582	EPA 6010D	516651
40300412002	TS-SS-SB-1(6-8)	EPA 3050B	516582	EPA 6010D	516651
40300412003	TS-SS-SB-2(1-3)	EPA 3050B	516582	EPA 6010D	516651
40300412004	TS-SS-SB-2(3.5-5.5)	EPA 3050B	516582	EPA 6010D	516651
40300412005	TS-SS-SB-3(2-4)	EPA 3050B	516582	EPA 6010D	516651
40300412006	TS-SS-SB-3(8-10)	EPA 3050B	516582	EPA 6010D	516651
40300412007	TS-SS-SB-3(18-20)	EPA 3050B	516582	EPA 6010D	516651
40300412008	TS-SS-SB-4(2-3)	EPA 3050B	516582	EPA 6010D	516651
40300412009	TS-SS-SB-4(3-5)	EPA 3050B	516582	EPA 6010D	516651
40300412010	TS-SS-SB-5(2-4)	EPA 3050B	516582	EPA 6010D	516651
40300412011	TS-SS-SB-5(4.5-6.5)	EPA 3050B	516582	EPA 6010D	516651
40300412012	TS-SS-SB-6(2-4)	EPA 3050B	516582	EPA 6010D	516651
40300412013	TS-SS-SB-6(5-7)	EPA 3050B	516582	EPA 6010D	516651
40300412014	TS-SS-SB-7(2-4)	EPA 3050B	516582	EPA 6010D	516651
40300412015	TS-SS-SB-7(9-11)	EPA 3050B	516582	EPA 6010D	516651
40300412016	TS-SS-SB-8(1.5-3.5)	EPA 3050B	516582	EPA 6010D	516651
40300412017	TS-SS-SB-8(5-7)	EPA 3050B	516582	EPA 6010D	516651
40300412018	TS-SS-SB-4(16.5-18.5)	EPA 3050B	516582	EPA 6010D	516651
40300412020	DUP-1	EPA 3050B	516582	EPA 6010D	516651
40300412001	TS-SS-SB-1(2-4)	EPA 7471	516180	EPA 7471	516223
40300412002	TS-SS-SB-1(6-8)	EPA 7471	516180	EPA 7471	516223
40300412003	TS-SS-SB-2(1-3)	EPA 7471	516180	EPA 7471	516223
40300412004	TS-SS-SB-2(3.5-5.5)	EPA 7471	516180	EPA 7471	516223
40300412005	TS-SS-SB-3(2-4)	EPA 7471	516180	EPA 7471	516223
40300412006	TS-SS-SB-3(8-10)	EPA 7471	516180	EPA 7471	516223
40300412007	TS-SS-SB-3(18-20)	EPA 7471	516180	EPA 7471	516223
40300412008	TS-SS-SB-4(2-3)	EPA 7471	516180	EPA 7471	516223
40300412009	TS-SS-SB-4(3-5)	EPA 7471	516180	EPA 7471	516223
40300412010	TS-SS-SB-5(2-4)	EPA 7471	516180	EPA 7471	516223
40300412011	TS-SS-SB-5(4.5-6.5)	EPA 7471	516180	EPA 7471	516223
40300412012	TS-SS-SB-6(2-4)	EPA 7471	516180	EPA 7471	516223
40300412013	TS-SS-SB-6(5-7)	EPA 7471	516180	EPA 7471	516223
40300412014	TS-SS-SB-7(2-4)	EPA 7471	516180	EPA 7471	516223
40300412015	TS-SS-SB-7(9-11)	EPA 7471	516180	EPA 7471	516223
40300412016	TS-SS-SB-8(1.5-3.5)	EPA 7471	516180	EPA 7471	516223
40300412017	TS-SS-SB-8(5-7)	EPA 7471	516180	EPA 7471	516223
40300412018	TS-SS-SB-4(16.5-18.5)	EPA 7471	516180	EPA 7471	516223
40300412020	DUP-1	EPA 7471	516180	EPA 7471	516223
40300412001	TS-SS-SB-1(2-4)	EPA 3546	514320	EPA 8270E	514407
40300412002	TS-SS-SB-1(6-8)	EPA 3546	514320	EPA 8270E	514407
40300412003	TS-SS-SB-2(1-3)	EPA 3546	514320	EPA 8270E	514407
40300412004	TS-SS-SB-2(3.5-5.5)	EPA 3546	514320	EPA 8270E	514407
40300412005	TS-SS-SB-3(2-4)	EPA 3546	514320	EPA 8270E	514407
40300412006	TS-SS-SB-3(8-10)	EPA 3546	514320	EPA 8270E	514407
40300412007	TS-SS-SB-3(18-20)	EPA 3546	514320	EPA 8270E	514407
40300412008	TS-SS-SB-4(2-3)	EPA 3546	514320	EPA 8270E	514407
40300412009	TS-SS-SB-4(3-5)	EPA 3546	514320	EPA 8270E	514407
40300412010	TS-SS-SB-5(2-4)	EPA 3546	514320	EPA 8270E	514407

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40300412011	TS-SS-SB-5(4.5-6.5)	EPA 3546	514320	EPA 8270E	514407
40300412012	TS-SS-SB-6(2-4)	EPA 3546	514320	EPA 8270E	514407
40300412013	TS-SS-SB-6(5-7)	EPA 3546	514320	EPA 8270E	514407
40300412014	TS-SS-SB-7(2-4)	EPA 3546	514320	EPA 8270E	514407
40300412015	TS-SS-SB-7(9-11)	EPA 3546	514320	EPA 8270E	514407
40300412016	TS-SS-SB-8(1.5-3.5)	EPA 3546	514320	EPA 8270E	514407
40300412017	TS-SS-SB-8(5-7)	EPA 3546	514320	EPA 8270E	514407
40300412018	TS-SS-SB-4(16.5-18.5)	EPA 3546	514320	EPA 8270E	514407
40300412020	DUP-1	EPA 3546	514688	EPA 8270E	514728
40300412001	TS-SS-SB-1(2-4)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412002	TS-SS-SB-1(6-8)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412003	TS-SS-SB-2(1-3)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412004	TS-SS-SB-2(3.5-5.5)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412005	TS-SS-SB-3(2-4)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412006	TS-SS-SB-3(8-10)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412007	TS-SS-SB-3(18-20)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412008	TS-SS-SB-4(2-3)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412009	TS-SS-SB-4(3-5)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412010	TS-SS-SB-5(2-4)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412011	TS-SS-SB-5(4.5-6.5)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412012	TS-SS-SB-6(2-4)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412013	TS-SS-SB-6(5-7)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412014	TS-SS-SB-7(2-4)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412015	TS-SS-SB-7(9-11)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412016	TS-SS-SB-8(1.5-3.5)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412017	TS-SS-SB-8(5-7)	EPA 3546	514319	EPA 8270E by SIM	514384
40300412018	TS-SS-SB-4(16.5-18.5)	EPA 3546	514574	EPA 8270E by SIM	514605
40300412020	DUP-1	EPA 3546	514319	EPA 8270E by SIM	514384
40300412001	TS-SS-SB-1(2-4)	EPA 5035/5030B	514012	EPA 8260	514016
40300412002	TS-SS-SB-1(6-8)	EPA 5035/5030B	514012	EPA 8260	514016
40300412003	TS-SS-SB-2(1-3)	EPA 5035/5030B	514012	EPA 8260	514016
40300412004	TS-SS-SB-2(3.5-5.5)	EPA 5035/5030B	514012	EPA 8260	514016
40300412005	TS-SS-SB-3(2-4)	EPA 5035/5030B	514012	EPA 8260	514016
40300412006	TS-SS-SB-3(8-10)	EPA 5035/5030B	514012	EPA 8260	514016
40300412007	TS-SS-SB-3(18-20)	EPA 5035/5030B	514012	EPA 8260	514016
40300412008	TS-SS-SB-4(2-3)	EPA 5035/5030B	514012	EPA 8260	514016
40300412009	TS-SS-SB-4(3-5)	EPA 5035/5030B	514124	EPA 8260	514129
40300412010	TS-SS-SB-5(2-4)	EPA 5035/5030B	514124	EPA 8260	514129
40300412011	TS-SS-SB-5(4.5-6.5)	EPA 5035/5030B	514124	EPA 8260	514129
40300412012	TS-SS-SB-6(2-4)	EPA 5035/5030B	514124	EPA 8260	514129
40300412013	TS-SS-SB-6(5-7)	EPA 5035/5030B	514124	EPA 8260	514129
40300412014	TS-SS-SB-7(2-4)	EPA 5035/5030B	514124	EPA 8260	514129
40300412015	TS-SS-SB-7(9-11)	EPA 5035/5030B	514124	EPA 8260	514129
40300412016	TS-SS-SB-8(1.5-3.5)	EPA 5035/5030B	514124	EPA 8260	514129
40300412017	TS-SS-SB-8(5-7)	EPA 5035/5030B	514124	EPA 8260	514129
40300412018	TS-SS-SB-4(16.5-18.5)	EPA 5035/5030B	514124	EPA 8260	514129

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940108334-004 Wausau -Thomas

Pace Project No.: 40300412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40300412019	MEOH BLANK	EPA 5035/5030B	514124	EPA 8260	514129
40300412020	DUP-1	EPA 5035/5030B	514124	EPA 8260	514129
40300412001	TS-SS-SB-1(2-4)	ASTM D2974	513989		
40300412002	TS-SS-SB-1(6-8)	ASTM D2974	513989		
40300412003	TS-SS-SB-2(1-3)	ASTM D2974	513989		
40300412004	TS-SS-SB-2(3.5-5.5)	ASTM D2974	513989		
40300412005	TS-SS-SB-3(2-4)	ASTM D2974	513989		
40300412006	TS-SS-SB-3(8-10)	ASTM D2974	513989		
40300412007	TS-SS-SB-3(18-20)	ASTM D2974	513989		
40300412008	TS-SS-SB-4(2-3)	ASTM D2974	513989		
40300412009	TS-SS-SB-4(3-5)	ASTM D2974	514100		
40300412010	TS-SS-SB-5(2-4)	ASTM D2974	514100		
40300412011	TS-SS-SB-5(4.5-6.5)	ASTM D2974	514100		
40300412012	TS-SS-SB-6(2-4)	ASTM D2974	514100		
40300412013	TS-SS-SB-6(5-7)	ASTM D2974	514100		
40300412014	TS-SS-SB-7(2-4)	ASTM D2974	514100		
40300412015	TS-SS-SB-7(9-11)	ASTM D2974	514100		
40300412016	TS-SS-SB-8(1.5-3.5)	ASTM D2974	514100		
40300412017	TS-SS-SB-8(5-7)	ASTM D2974	514100		
40300412018	TS-SS-SB-4(16.5-18.5)	ASTM D2974	514100		
40300412020	DUP-1	ASTM D2974	514100		

REPORT OF LABORATORY ANALYSIS

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Pace Pace® Location Requested (City/State): Pace Analytical Green Bay 1241 Bellevue Street, Suite 9 Green Bay, WI 54302		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody Is a LEGAL DOCUMENT - Complete all relevant fields				LAB USE ONLY- Affix Workorder/Login Label Here  Scan QR Code for instructions 40300412																													
Company Name: Ramboll US Consulting, Inc.		Contact/Report To: Andrew Mott		Phone #: 920-379-6024		E-Mail: amott@ramboll.com		Cc E-Mail: LANDEKSON@RAMBOLL.COM		Specify Container Size **		**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) En Core, (8) TerraCore, (9) 90mL, (10) Other																							
Street Address: 234 W. Florida Street Fifth Floor Milwaukee, WI 53204		Invoice To: Ramboll Americas		Invoice E-Mail: ramboll.us@pdf.basware.com		Purchase Order # (if applicable): 1940108334-002		Quote #:		Identify Container Preservative Type***		*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other																							
Customer Project #: 1940108334-004		Site Collection Info/Facility ID (as applicable):		Time Zone Collected: [] AK [] PT [] MT [] CT [] ET		County / State origin of sample(s): Wisconsin		Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other		Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No		Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other		DW PWSID # or WW Permit # as applicable:		Field Filtered (if applicable): [] Yes [X] No		Analysis: [] Yes [X] No		Date Results Requested: standard turn		Lab Use Only		Proj. Mgr: Brian Basten AcctNum / Client ID: Table #: Profile / Template: 8401 Prelog / Bottle Ord. ID: EZ 3289711 Sample Comment		Preservation non-conformance identified for sample.									
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)		Customer Sample ID		Matrix *		Comp / Grab		Composite Start		Collected or Composite End		#		Res. Chlorine		1613 Dioxin/Furan		8260 VOC		8270 PCB, PAH		8290 Dioxin/Furan		PAH		RCRA Metals		RCRA Metals, % Moisture		Trip Blank		Lab Use Only		Sample Comment	
		TS-SS-SB-1 (2-4)		SS		G		8/19/25		0850		4		NA NA		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		001			
		TS-SS-SB-1 (6-8)								0920						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		002			
		TS-SS-SB-2 (1-3)								1030						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		003			
		TS-SS-SB-2 (3.5-5.5)								1040						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		004			
		TS-SS-SB-3 (2-4)								1135						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		005			
		TS-SS-SB-3 (8-10)								1140						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		006			
		TS-SS-SB-3 (18-20)								1145						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		007			
		TS-SS-SB-4 (2-3)								1230						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		008			
		TS-SS-SB-4 (3-5)								1235						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		009			
		TS-SS-SB-5 (2-4)								1355						X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		X X X X		010			
Additional Instructions from Pace®:		COC #: 08334-0825-001		Collected By: (Printed Name) Lauren Anderson		Signature: [Signature]		Customer Remarks / Special Conditions / Possible Hazards:		# Coolers:		Thermometer ID: 110X		Correction Factor (°C): 0.054		Obs. Temp. (°C): 3.0		Corrected Temp. (°C): 3.5		On Ice: Y		Tracking Number:		Delivered by: [] In-Person [] Courier		[] FedEx [] UPS [] Other		Page: 1 of 2							
Relinquished by/Company: (Signature) [Signature]		Date/Time: 8/20/25 1620		Received by/Company: (Signature) [Signature]		Date/Time: 8/20/25 1620		Tracking Number:		Delivered by: [] In-Person [] Courier		[] FedEx [] UPS [] Other		Page: 1 of 2																					
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Tracking Number:		Delivered by: [] In-Person [] Courier		[] FedEx [] UPS [] Other		Page: 1 of 2																					
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Tracking Number:		Delivered by: [] In-Person [] Courier		[] FedEx [] UPS [] Other		Page: 1 of 2																					
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Tracking Number:		Delivered by: [] In-Person [] Courier		[] FedEx [] UPS [] Other		Page: 1 of 2																					

Pace® Location Requested (City/State): Pace Analytical Green Bay 1241 Bellevue Street, Suite 9 Green Bay, WI 54302			CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody Is a LEGAL DOCUMENT - Complete all relevant fields				LAB USE ONLY- Affix Workorder/Login Label Here															
Company Name: Ramboll US Consulting, Inc.			Contact/Report To: Andrew Mott						40300412 Scan QR Code for instructions													
Street Address: 234 W. Florida Street Fifth Floor Milwaukee, WI 53204			Phone #: 920-379-6024 E-Mail: amott@ramboll.com Cc E-Mail: LANDERSON@RAMBOLL.COM																			
Customer Project #: 1940108334-004			Invoice To: Ramboll Americas				Specify Container Size **		**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other													
Project Name: Wausau - Thomas St			Invoice E-Mail: ramboll.us@pdf.basware.com				Identify Container Preservative Type***		*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other													
Site Collection Info/Facility ID (as applicable):			Purchase Order # (if applicable): 1940108334-002				Analysis Requested															
Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET			County / State origin of sample(s): Wisconsin																			
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other			Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No																			
			Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other				DW PWSID # or WW Permit # as applicable:															
			Date Results Requested: Standard Turn				Field Filtered (if applicable): [] Yes [X] No															
			Analysis:																			
			* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																			
Customer Sample ID			Matrix *	Comp / Grab	Composite Start		Collected or Composite End		#	Res. Chlorine												
					Date	Time	Date	Time	Cont.	Results	Units											
TS-SS-SB-5 (4.5-6.5)			SS	G	1410	8/19/25	1410	4	NA	NA		1613 Dioxin/Furan	8260 VOC	8270 PCB, PAH	8290 Dioxin/Furan	PAH	RCRA Metals	RCRA Metals, % Moisture	Trip Blank		Proj. Mgr: Brian Basten	
TS-SS-SB-6 (2-4)							1440					X	X	X	X						AcctNum / Client ID:	
TS-SS-SB-6 (5-7)							1450					X	X	X	X						Table #:	
TS-SS-SB-7 (2-4)							1540					X	X	X	X						Profile / Template: 8401	
TS-SS-SB-7 (9-11)							1600					X	X	X	X						Prelog / Bottle Ord. ID: EZ 3289711	
TS-SS-SB-8 (1.5-3.5)							1630					X	X	X	X						Sample Comment	
TS-SS-SB-8 (5-7)							1640					X	X	X	X							
TS-SS-SB-4 (16.5-18.5)							1800					X	X	X	X							
MEOH BLANK			-				-	1					X									
PUP 1			SS				1420	4				X	X	X	X							
Additional Instructions from Pace®:			Collected By: (Printed Name) Lauren Anderson				Customer Remarks / Special Conditions / Possible Hazards:															
Signature: [Signature]			Signature: [Signature]				# Coolers: 1 Thermometer ID: 118 Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): On Ice:															
Relinquished by/Company: (Signature) [Signature]			Date/Time: 8/20/25 1620				Received by/Company: (Signature) [Signature]				Date/Time: 8/20/25 1620				Tracking Number:							
Relinquished by/Company: (Signature)			Date/Time:				Received by/Company: (Signature)				Date/Time:				Delivered by: [] In-Person [] Courier							
Relinquished by/Company: (Signature)			Date/Time:				Received by/Company: (Signature)				Date/Time:				[] FedEx [] UPS [] Other							
Relinquished by/Company: (Signature)			Date/Time:				Received by/Company: (Signature)				Date/Time:				Page: 12 of 12							

Effective Date: 8/16/2022

Client Name: Ram boll

Sample Preservation Receipt Form

Project # 40300412

All containers needing preservation have been checked and noted below:

☐ Yes☐ No☒ N/A

Lab Lot# of pH paper:

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

Initial when
completed:Date/
Time:

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

Client Name: Ramboll
Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Purple Mountain
☒ Client ☐ Pace Other: _____

Project #:

WO#: 40300412



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 - 142 Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Meltwater Only
Cooler Temperature Uncorr: 3.0 / Corr: 3.5

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

Temp should be above freezing to 6°C.

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

Person examining contents:

Date: 8/1/05 / Initials: EL

Labeled By Initials: Pace

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:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
Correct Type: <u>Pace Green Bay</u> , 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: <u>S</u>		
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 logir

Page 2 of 2

Report Prepared for:

Client Services
PACE Wisconsin
1241 Bellevue Street
Suite 9
Green Bay WI 54302

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Prepared Date:

October 14, 2025

Report Information:

Pace Project #: 10747219

Sample Receipt Date: 08/22/2025

Client Project #: 40300412 Ramboll US Consultin

Client Sub PO #: N/A

State Cert #: N/A

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Isaac Johnson, your Pace Project Manager.

This report has been reviewed by:



October 14, 2025

Isaac Johnson, Project Manager
(612) 607-1700
(612) 607-6444 (fax)
isaac.johnson@pacelabs.com



Report of Laboratory Analysis

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

The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on nineteen samples submitted by a representative of Pace Analytical Services, LLC. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using USEPA Method 1613B. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations. Method blank and field sample results with reporting limits set to correspond to the lowest calibration points and adjusted for sample amount and dilution were provided in Appendix A. Sample "DUP-1" was analyzed outside of the 40-day hold time recommended in the method.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 31-119%. All of the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Values were flagged "I" where incorrect isotope ratios were obtained or "P" where polychlorinated diphenyl ethers were present. Concentrations below the calibration range were flagged "J" and should be regarded as estimates. Concentrations above the calibration range were flagged "E" and should also be regarded as estimates. Values obtained from analyses of diluted extracts were flagged "D" and "N2". The 2,3,7,8-TCDF values reported for field samples that were obtained from second column confirmation analyses were flagged "C".

A laboratory method blank was prepared and analyzed with each sample batch as part of our routine quality control procedures. The results show the blanks to contain trace levels of selected congeners. These levels were below the calibration range of the method. Sample concentrations similar to the corresponding blank levels were flagged "B" on the results tables and may be, at least partially, attributed to the background.

Laboratory samples were also prepared using clean reference matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 75-115% with relative percent differences of 0.0-13.2%. These results were within the target ranges for the method. Matrix spikes were prepared with the 10/06/2025 extraction batch using sample material from a separate project; results from these analyses will be provided upon request. Matrix spikes were not prepared with the remaining extraction batches.

REPORT OF LABORATORY ANALYSIS

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 1700 Elm Street SE
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444
 www.pacelabs.com

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-DW	27700
Colorado	MN00064	North Carolina-WW	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (1700)	CL101
Idaho	MN00064	Ohio-VAP (1800)	CL110
Illinois	200011	Oklahoma	9507
Indiana	C-MN-01	Oregon-Primary	MN300001
Iowa	368	Oregon-Secondary	MN200001
Kansas	E-10167	Pennsylvania	68-00563
Kentucky-DW	90062	Puerto Rico	MN00064
Kentucky-WW	90062	South Carolina	74003
Louisiana-DEQ	AI-84596	Tennessee	TN02818
Louisiana-DW	MN00064	Texas	T104704192
Maine	MN00064	Utah	MN00064
Maryland	322	Vermont	VT-027053137
Michigan	9909	Virginia	460163
Minnesota	027-053-137	Washington	C486
Minnesota-Ag	via MN 027-053-137	West Virginia-DEP	382
Minnesota-Petrofund	1240	West Virginia-DW	9952C
Mississippi	MN00064	Wisconsin	999407970
		Wyoming-UST	via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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Internal Transfer Chain of Custody

☐ Rush Multiplier ☒ XState Of Origin: WI
Cert. Needed: ☒ Yes ☐ No

Workorder: 40300412 Workorder Name: 1940108334-004 Wausau -Thomas Owner Received Date: 8/20/2025 Results Requested By: 9/5/2025

Report To

Subcontract To

Brian Basten
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Phone (920)469-2436Pace Analytical Minnesota
1700 Elm Street SE
Suite 200
Minneapolis, MN 55414
Phone (612)607-1700

Requested Analysis

WO#: 10747219



Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers										LAB USE ONLY
						Unpreserved										
1	TS-SS-SB-1(2-4)	PS	8/19/2025 08:50	40300412001	Solid	1										001
2	TS-SS-SB-1(6-8)	PS	8/19/2025 09:20	40300412002	Solid	1										002
3	TS-SS-SB-2(1-3)	PS	8/19/2025 10:30	40300412003	Solid	1										003
4	TS-SS-SB-2(3.5-5.5)	PS	8/19/2025 10:40	40300412004	Solid	1										004
5	TS-SS-SB-3(2-4)	PS	8/19/2025 11:35	40300412005	Solid	1										005
6	TS-SS-SB-3(8-10)	PS	8/19/2025 11:40	40300412006	Solid	1										006
7	TS-SS-SB-3(18-20)	PS	8/19/2025 11:45	40300412007	Solid	1										007
8	TS-SS-SB-4(2-3)	PS	8/19/2025 12:30	40300412008	Solid	1										008
9	TS-SS-SB-4(3-5)	PS	8/19/2025 12:35	40300412009	Solid	1										009
10	TS-SS-SB-5(2-4)	PS	8/19/2025 13:55	40300412010	Solid	1										010
11	TS-SS-SB-5(4.5-6.5)	PS	8/19/2025 14:10	40300412011	Solid	1										011
12	TS-SS-SB-6(2-4)	PS	8/19/2025 14:40	40300412012	Solid	1										012
13	TS-SS-SB-6(5-7)	PS	8/19/2025 14:50	40300412013	Solid	1										013
14	TS-SS-SB-7(2-4)	PS	8/19/2025 15:40	40300412014	Solid	1										014
15	TS-SS-SB-7(9-11)	PS	8/19/2025 16:00	40300412015	Solid	1										015
16	TS-SS-SB-8(1.5-3.5)	PS	8/19/2025 16:30	40300412016	Solid	1										016
17	TS-SS-SB-8(5-7)	PS	8/19/2025 16:40	40300412017	Solid	1										017
18	TS-SS-SB-4(16.5-18.5)	PS	8/19/2025 18:00	40300412018	Solid	1										018
19	DUP-1	PS	8/19/2025 14:20	40300412020	Solid	1										020

Thursday, August 21, 2025 7:48:28 AM

FMT-ALL-C-002rev.00 24March2009

Page 1 of 2

Transfers		Released By	Date/Time	Received By	Date/Time	Comments	
1		<i>W. J. Paul</i>	<i>8/25/25</i>	<i>Al Paul</i>	<i>8/25/25</i>	<i>1030</i>	
2							
3							
Cooler Temperature on Receipt		<i>15</i>	°C	Custody Seal	<i>(Y)</i>	Received on Ice	<i>(Y)</i> or <i>(N)</i>
Samples Intact		<i>(Y)</i>	or	<i>(N)</i>			

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

ENV-FRM-MIN4-0150 v19 Sample Condition Upon Receipt

Person Examining & Date: ARC 8/22/25

PROJECT #:

WO#: 10747219

PM: LAB1

Due Date: 09/08/25

CLIENT: PASI-WI

Client Name: Pace Green Bay

Custody Seal Present: ☒ YES ☐ NO

Seals Intact: ☒ YES ☐ NO

Tracking Number:

Courier: ☐ Client

☒ Commercial

☐ FedEx

☐ Pace Courier/Field

☐ SpeedDee

☐ UPS

☐ USPS

☐ See Exceptions form ENV-FRM-MIN4-0142.

Packing Material: ☒ Bubble Bags

☐ Bubble Wrap

☐ None

☐ Other: _____

Biological Tissue Frozen: ☐ YES ☒ NO

Thermometer: ☐ T1 (0461)

☐ T2 (0431)

☐ T3 (0459)

☐ T4 (0402)

Type of Ice: ☐ Blue

☐ Dry

☒ Wet

☐ Melted

☐ None

☐ T5 (0187)

☒ T6 (0396)

☐ T7 (0377)

☐ T8 (0775)

☐ T9 (0428)

☐ 01339252 (0710)

Temp Blank: ☒ YES ☐ NO

NOTE: Temp should be $\leq 6^{\circ}\text{C}$, but above freezing.

Read Temp w/Temp Blank: _____ $^{\circ}\text{C}$

Correction Factor: Free

Corrected Temp w/Temp Blank: 1.5 $^{\circ}\text{C}$

Did Samples Originate in West Virginia: ☐ YES ☒ NO (list temps on exception)

Were All Container Temps Taken: ☐ YES ☐ NO ☒ N/A

Average Corrected Temp (No Temp Blank Only): _____

☐ See Exceptions form ENV-FRM-MIN4-0142.

☐ 1 Container

USDA Regulated Soil: ☐ N/A - Water Sample/Other (describe): _____

Did Samples originate from one of the following states (check maps): ☐ YES ☒ NO

Circle State: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, VA

Are samples from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☒ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☒ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? (i.e., Analysis/ID/Date/Time)	☒	☐	☐	1.
Chain of Custody Relinquished?	☒	☐	☐	2.
Sampler Name and/or Signature on COC?	☐	☐	☒	3.
Samples Arrived within Hold Time?	☒	☐	☐	4.
If Fecal: ☐ <8 hrs ☐ >8 hr but <24 hr ☐ >24 hr	☒	☐	☐	
Short Hold Time Analysis (<72 hr)?	☐	☒	☐	5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Turbidity ☐ Other: _____
Rush Turn Around Time Requested?	☐	☒	☐	6. ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day Due Date: _____
Sufficient Sample Volume? (If NO, list approximate volume in section 7.)	☒	☐	☐	7.
Correct Containers Used?	☒	☐	☐	8.
- Pace Containers Used?	☒	☐	☐	
Containers Intact?	☒	☐	☐	9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10.
ID/Date/Time Match? (If NO, fill out section 11.)	☒	☐	☐	11.
Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other	☒	☐	☐	☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☒	12.
Sample #:				
☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ Zinc Acetate				
pH Paper Lot #:				
☐ Residual Chlorine ☐ 0-6 Roll ☐ 0-6 Strip ☐ 0-14 Strip				
Preserved containers in compliance with EPA recommendations? (HNO3, H2SO4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0142
EXCEPTIONS (water only): VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐	☐	☒	
Extra labels present on soil VOA or WIDRO containers? (soil only)	☐	☐	☒	13.
Headspace in Methyl Mercury Container?	☐	☐	☒	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☐	☐	☒	15.
Trip Blank Custody Seals Present?	☐	☐	☒	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION / RESOLUTION:

Labeled By: AR

Line: 5

Person Contacted & Date/Time: _____

PM Review & Date: Isaac Johnson 8/25/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office.

Qualtrax ID: 52742

Effective Date: 03/04/25

Pace® Analytical Services, LLC (PAS)

Page 1 of 1

Page 105 of 162

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Report No.: 10747219_1613BFC_L2_dfr

Page: 1 of 2

40300412

Sample Preservation Receipt Form
Project # 40350412

☐ Yes ☐ No ☒ N/A

Initial when completed: _____

Date/Time: _____

Exceptions to preservation cheds: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other.

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WG9U	4 oz clear jar unpres
WP9U	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thic
ZPLC	ziploc bag

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ramboll Project #:
Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Purple Mountain
☒ Client ☐ Pace Other: _____

WO#: 40300412



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-142 Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Meltwater Only

Cooler Temperature Uncorr: 3.0 / Corr: 3.5

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☒ no

Temp should be above freezing to 6°C.

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

Person examining contents:

Date: 8/10/25 / Initials: EL

Labeled By Initials: _____

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:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
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: <u>5</u>		
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 logir

Page 2 of 2

Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKNW	Matrix	Solid
Lab Sample ID	BLANK-120912	Dilution	NA
Filename	U250829A_07	Extracted	08/26/2025 12:00
Total Amount Extracted	10.3 g	Analyzed	08/29/2025 13:09
ICAL ID	U250825	Injected By	AH5
CCal Filename(s)	U250829A_02		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.97	2,3,7,8-TCDF-13C	2.00	86
Total TCDF	ND	----	0.97	2,3,7,8-TCDD-13C	2.00	78
				1,2,3,7,8-PeCDF-13C	2.00	88
2,3,7,8-TCDD	ND	----	0.97	2,3,4,7,8-PeCDF-13C	2.00	91
Total TCDD	ND	----	0.97	1,2,3,7,8-PeCDD-13C	2.00	96
				1,2,3,4,7,8-HxCDF-13C	2.00	97
1,2,3,7,8-PeCDF	ND	----	4.9	1,2,3,6,7,8-HxCDF-13C	2.00	94
2,3,4,7,8-PeCDF	ND	----	4.9	2,3,4,6,7,8-HxCDF-13C	2.00	90
Total PeCDF	ND	----	4.9	1,2,3,7,8,9-HxCDF-13C	2.00	89
				1,2,3,4,7,8-HxCDD-13C	2.00	83
1,2,3,7,8-PeCDD	ND	----	4.9	1,2,3,6,7,8-HxCDD-13C	2.00	95
Total PeCDD	ND	----	4.9	1,2,3,4,6,7,8-HpCDF-13C	2.00	95
				1,2,3,4,7,8,9-HpCDF-13C	2.00	101
1,2,3,4,7,8-HxCDF	ND	----	4.9	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	----	4.9	OCDD-13C	4.00	80
2,3,4,6,7,8-HxCDF	ND	----	4.9			
1,2,3,7,8,9-HxCDF	ND	----	4.9	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	4.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.9	2,3,7,8-TCDD-37Cl4	0.20	72
1,2,3,6,7,8-HxCDD	ND	----	4.9			
1,2,3,7,8,9-HxCDD	ND	----	4.9			
Total HxCDD	ND	----	4.9			
1,2,3,4,6,7,8-HpCDF	ND	----	4.9	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.9	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	----	4.9	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	4.9			
Total HpCDD	ND	----	4.9			
OCDF	ND	----	9.7			
OCDD	ND	----	9.7			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

REPORT OF LABORATORY ANALYSIS

Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKOB	Matrix	Solid
Lab Sample ID	BLANK-120926	Dilution	NA
Filename	L250902B_06	Extracted	08/27/2025 12:00
Total Amount Extracted	10.4 g	Analyzed	09/03/2025 04:15
ICAL ID	L250710	Injected By	SMT
CCal Filename(s)	L250902A_17		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.96	2,3,7,8-TCDF-13C	2.00	99
Total TCDF	ND	----	0.96	2,3,7,8-TCDD-13C	2.00	88
				1,2,3,7,8-PeCDF-13C	2.00	107
2,3,7,8-TCDD	ND	----	0.96	2,3,4,7,8-PeCDF-13C	2.00	112
Total TCDD	ND	----	0.96	1,2,3,7,8-PeCDD-13C	2.00	124
				1,2,3,4,7,8-HxCDF-13C	2.00	103
1,2,3,7,8-PeCDF	ND	----	4.8	1,2,3,6,7,8-HxCDF-13C	2.00	103
2,3,4,7,8-PeCDF	ND	----	4.8	2,3,4,6,7,8-HxCDF-13C	2.00	101
Total PeCDF	ND	----	4.8	1,2,3,7,8,9-HxCDF-13C	2.00	95
				1,2,3,4,7,8-HxCDD-13C	2.00	87
1,2,3,7,8-PeCDD	ND	----	4.8	1,2,3,6,7,8-HxCDD-13C	2.00	103
Total PeCDD	ND	----	4.8	1,2,3,4,6,7,8-HpCDF-13C	2.00	89
				1,2,3,4,7,8,9-HpCDF-13C	2.00	92
1,2,3,4,7,8-HxCDF	ND	----	4.8	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	----	4.8	OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	ND	----	4.8			
1,2,3,7,8,9-HxCDF	ND	----	4.8	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	4.8	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.8	2,3,7,8-TCDD-37Cl4	0.20	84
1,2,3,6,7,8-HxCDD	ND	----	4.8			
1,2,3,7,8,9-HxCDD	ND	----	4.8			
Total HxCDD	ND	----	4.8			
1,2,3,4,6,7,8-HpCDF	ND	----	4.8	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.8	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	----	4.8	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	4.8			
Total HpCDD	ND	----	4.8			
OCDF	ND	----	9.6			
OCDD	ND	----	9.6			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

RL = Reporting Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

REPORT OF LABORATORY ANALYSIS

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKUI	Matrix	Solid
Lab Sample ID	BLANK-121443	Dilution	NA
Filename	L251010B_08	Extracted	10/06/2025 12:00
Total Amount Extracted	10.2 g	Analyzed	10/10/2025 12:58
ICAL ID	L250710	Injected By	AH5
CCal Filename(s)	L251010B_02		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.98	2,3,7,8-TCDF-13C	2.00	71
Total TCDF	ND	----	0.98	2,3,7,8-TCDD-13C	2.00	64
				1,2,3,7,8-PeCDF-13C	2.00	73
2,3,7,8-TCDD	ND	----	0.98	2,3,4,7,8-PeCDF-13C	2.00	78
Total TCDD	ND	----	0.98	1,2,3,7,8-PeCDD-13C	2.00	84
				1,2,3,4,7,8-HxCDF-13C	2.00	88
1,2,3,7,8-PeCDF	ND	----	4.9	1,2,3,6,7,8-HxCDF-13C	2.00	85
2,3,4,7,8-PeCDF	ND	----	4.9	2,3,4,6,7,8-HxCDF-13C	2.00	80
Total PeCDF	ND	----	4.9	1,2,3,7,8,9-HxCDF-13C	2.00	69
				1,2,3,4,7,8-HxCDD-13C	2.00	80
1,2,3,7,8-PeCDD	ND	----	4.9	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	----	4.9	1,2,3,4,6,7,8-HpCDF-13C	2.00	87
				1,2,3,4,7,8,9-HpCDF-13C	2.00	92
1,2,3,4,7,8-HxCDF	ND	----	4.9	1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	ND	----	4.9	OCDD-13C	4.00	85
2,3,4,6,7,8-HxCDF	ND	----	4.9			
1,2,3,7,8,9-HxCDF	ND	----	4.9	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	4.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.9	2,3,7,8-TCDD-37Cl4	0.20	62
1,2,3,6,7,8-HxCDD	ND	----	4.9			
1,2,3,7,8,9-HxCDD	ND	----	4.9			
Total HxCDD	ND	----	4.9			
1,2,3,4,6,7,8-HpCDF	ND	----	4.9	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.9	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	----	4.9	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	4.9			
Total HpCDD	ND	----	4.9			
OCDF	ND	----	9.8			
OCDD	ND	----	9.8			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

RL = Reporting Limit

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-1(2-4)		
Lab Sample ID	40300412001-R2		
Filename	U251010A_04		
Injected By	AH5		
Total Amount Extracted	14.2 g	Matrix	Solid
% Moisture	20.3	Dilution	NA
Dry Weight Extracted	11.4 g	Collected	08/19/2025 08:50
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 10:26

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.88	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	8.6	----	0.88	2,3,7,8-TCDD-13C	2.00	66
				1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	----	0.88	2,3,4,7,8-PeCDF-13C	2.00	70
Total TCDD	1.2	----	0.88	1,2,3,7,8-PeCDD-13C	2.00	74
				1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	ND	----	4.4	1,2,3,6,7,8-HxCDF-13C	2.00	75
2,3,4,7,8-PeCDF	ND	----	4.4	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	23	----	4.4	1,2,3,7,8,9-HxCDF-13C	2.00	70
				1,2,3,4,7,8-HxCDD-13C	2.00	64
1,2,3,7,8-PeCDD	ND	----	4.4	1,2,3,6,7,8-HxCDD-13C	2.00	76
Total PeCDD	ND	----	4.4	1,2,3,4,6,7,8-HpCDF-13C	2.00	75
				1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	ND	----	4.4	1,2,3,4,6,7,8-HpCDD-13C	2.00	77
1,2,3,6,7,8-HxCDF	ND	----	4.4	OCDD-13C	4.00	59
2,3,4,6,7,8-HxCDF	ND	----	4.4			
1,2,3,7,8,9-HxCDF	ND	----	4.4	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	56	----	4.4	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.4	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	5.2	----	4.4			
1,2,3,7,8,9-HxCDD	ND	----	4.4			
Total HxCDD	36	----	4.4			
1,2,3,4,6,7,8-HpCDF	48	----	4.4	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.4	Equivalence: 2.4 ng/Kg		
Total HpCDF	91	----	4.4	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	110	----	4.4			
Total HpCDD	220	----	4.4			
OCDF	58	----	8.8			
OCDD	820	----	8.8			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
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NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-1(6-8)		
Lab Sample ID	40300412002-R2		
Filename	U251010A_05		
Injected By	AH5		
Total Amount Extracted	16.0 g	Matrix	Solid
% Moisture	21.5	Dilution	NA
Dry Weight Extracted	12.6 g	Collected	08/19/2025 09:20
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 11:13

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.79	2,3,7,8-TCDF-13C	2.00	76
Total TCDF	ND	----	0.79	2,3,7,8-TCDD-13C	2.00	72
				1,2,3,7,8-PeCDF-13C	2.00	78
2,3,7,8-TCDD	ND	----	0.79	2,3,4,7,8-PeCDF-13C	2.00	82
Total TCDD	ND	----	0.79	1,2,3,7,8-PeCDD-13C	2.00	89
				1,2,3,4,7,8-HxCDF-13C	2.00	91
1,2,3,7,8-PeCDF	ND	----	4.0	1,2,3,6,7,8-HxCDF-13C	2.00	89
2,3,4,7,8-PeCDF	ND	----	4.0	2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	ND	----	4.0	1,2,3,7,8,9-HxCDF-13C	2.00	78
				1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	----	4.0	1,2,3,6,7,8-HxCDD-13C	2.00	91
Total PeCDD	ND	----	4.0	1,2,3,4,6,7,8-HpCDF-13C	2.00	88
				1,2,3,4,7,8,9-HpCDF-13C	2.00	88
1,2,3,4,7,8-HxCDF	ND	----	4.0	1,2,3,4,6,7,8-HpCDD-13C	2.00	95
1,2,3,6,7,8-HxCDF	ND	----	4.0	OCDD-13C	4.00	71
2,3,4,6,7,8-HxCDF	ND	----	4.0			
1,2,3,7,8,9-HxCDF	ND	----	4.0	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	4.0	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.0	2,3,7,8-TCDD-37Cl4	0.20	72
1,2,3,6,7,8-HxCDD	ND	----	4.0			
1,2,3,7,8,9-HxCDD	ND	----	4.0			
Total HxCDD	ND	----	4.0			
1,2,3,4,6,7,8-HpCDF	ND	----	4.0	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.0	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	----	4.0	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	4.0			
Total HpCDD	ND	----	4.0			
OCDF	ND	----	7.9			
OCDD	ND	----	7.9			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-2(1-3)		
Lab Sample ID	40300412003-R2		
Filename	U251010A_06		
Injected By	AH5		
Total Amount Extracted	13.4 g	Matrix	Solid
% Moisture	15.4	Dilution	NA
Dry Weight Extracted	11.3 g	Collected	08/19/2025 10:30
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 11:59

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	2.1	----	0.88 C	2,3,7,8-TCDF-13C	2.00	70
Total TCDF	41	----	0.88	2,3,7,8-TCDD-13C	2.00	67
				1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	----	0.88	2,3,4,7,8-PeCDF-13C	2.00	72
Total TCDD	2.1	----	0.88	1,2,3,7,8-PeCDD-13C	2.00	76
				1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	ND	----	4.4	1,2,3,6,7,8-HxCDF-13C	2.00	72
2,3,4,7,8-PeCDF	ND	----	4.4	2,3,4,6,7,8-HxCDF-13C	2.00	70
Total PeCDF	63	----	4.4	1,2,3,7,8,9-HxCDF-13C	2.00	70
				1,2,3,4,7,8-HxCDD-13C	2.00	68
1,2,3,7,8-PeCDD	ND	----	4.4	1,2,3,6,7,8-HxCDD-13C	2.00	74
Total PeCDD	4.5	----	4.4	1,2,3,4,6,7,8-HpCDF-13C	2.00	73
				1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	5.7	----	4.4	1,2,3,4,6,7,8-HpCDD-13C	2.00	79
1,2,3,6,7,8-HxCDF	6.4	----	4.4	OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	7.8	----	4.4			
1,2,3,7,8,9-HxCDF	ND	----	4.4	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	130	----	4.4	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.4	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	11	----	4.4			
1,2,3,7,8,9-HxCDD	7.1	----	4.4			
Total HxCDD	88	----	4.4			
1,2,3,4,6,7,8-HpCDF	91	----	4.4	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.4	Equivalence: 7.9 ng/Kg		
Total HpCDF	180	----	4.4	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	240	----	4.4			
Total HpCDD	450	----	4.4			
OCDF	110	----	8.8			
OCDD	1800	----	8.8			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
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NC = Not Calculated

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C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-2(3.5-5.5)		
Lab Sample ID	40300412004-R2		
Filename	U251010A_07		
Injected By	AH5		
Total Amount Extracted	13.3 g	Matrix	Solid
% Moisture	13.3	Dilution	NA
Dry Weight Extracted	11.5 g	Collected	08/19/2025 10:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 12:46

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.87	2,3,7,8-TCDF-13C	2.00	67
Total TCDF	ND	----	0.87	2,3,7,8-TCDD-13C	2.00	61
				1,2,3,7,8-PeCDF-13C	2.00	68
2,3,7,8-TCDD	ND	----	0.87	2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	ND	----	0.87	1,2,3,7,8-PeCDD-13C	2.00	77
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	ND	----	4.3	1,2,3,6,7,8-HxCDF-13C	2.00	76
2,3,4,7,8-PeCDF	ND	----	4.3	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	ND	----	4.3	1,2,3,7,8,9-HxCDF-13C	2.00	67
				1,2,3,4,7,8-HxCDD-13C	2.00	71
1,2,3,7,8-PeCDD	ND	----	4.3	1,2,3,6,7,8-HxCDD-13C	2.00	80
Total PeCDD	ND	----	4.3	1,2,3,4,6,7,8-HpCDF-13C	2.00	81
				1,2,3,4,7,8,9-HpCDF-13C	2.00	80
1,2,3,4,7,8-HxCDF	ND	----	4.3	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	ND	----	4.3	OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	ND	----	4.3			
1,2,3,7,8,9-HxCDF	ND	----	4.3	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	5.5	----	4.3	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.3	2,3,7,8-TCDD-37Cl4	0.20	61
1,2,3,6,7,8-HxCDD	ND	----	4.3			
1,2,3,7,8,9-HxCDD	ND	----	4.3			
Total HxCDD	ND	----	4.3			
1,2,3,4,6,7,8-HpCDF	6.3	----	4.3	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.3	Equivalence: 0.31 ng/Kg		
Total HpCDF	29	----	4.3	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	19	----	4.3			
Total HpCDD	30	----	4.3			
OCDF	34	----	8.7			
OCDD	160	----	8.7			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-3(2-4)		
Lab Sample ID	40300412005-R2		
Filename	U251010A_08		
Injected By	AH5		
Total Amount Extracted	15.6 g	Matrix	Solid
% Moisture	29.9	Dilution	NA
Dry Weight Extracted	10.9 g	Collected	08/19/2025 11:35
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 13:33

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.5	----	0.91 C	2,3,7,8-TCDF-13C	2.00	65
Total TCDF	28	----	0.91	2,3,7,8-TCDD-13C	2.00	62
				1,2,3,7,8-PeCDF-13C	2.00	63
2,3,7,8-TCDD	ND	----	0.91	2,3,4,7,8-PeCDF-13C	2.00	68
Total TCDD	3.3	----	0.91	1,2,3,7,8-PeCDD-13C	2.00	71
				1,2,3,4,7,8-HxCDF-13C	2.00	71
1,2,3,7,8-PeCDF	ND	----	4.6	1,2,3,6,7,8-HxCDF-13C	2.00	70
2,3,4,7,8-PeCDF	ND	----	4.6	2,3,4,6,7,8-HxCDF-13C	2.00	68
Total PeCDF	36	----	4.6	1,2,3,7,8,9-HxCDF-13C	2.00	66
				1,2,3,4,7,8-HxCDD-13C	2.00	63
1,2,3,7,8-PeCDD	ND	----	4.6	1,2,3,6,7,8-HxCDD-13C	2.00	71
Total PeCDD	ND	----	4.6	1,2,3,4,6,7,8-HpCDF-13C	2.00	69
				1,2,3,4,7,8,9-HpCDF-13C	2.00	69
1,2,3,4,7,8-HxCDF	ND	----	4.6	1,2,3,4,6,7,8-HpCDD-13C	2.00	74
1,2,3,6,7,8-HxCDF	ND	----	4.6	OCDD-13C	4.00	56
2,3,4,6,7,8-HxCDF	ND	----	4.6			
1,2,3,7,8,9-HxCDF	ND	----	4.6	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	59	----	4.6	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.6	2,3,7,8-TCDD-37Cl4	0.20	63
1,2,3,6,7,8-HxCDD	6.0	----	4.6			
1,2,3,7,8,9-HxCDD	ND	----	4.6			
Total HxCDD	40	----	4.6			
1,2,3,4,6,7,8-HpCDF	48	----	4.6	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.6	Equivalence: 2.8 ng/Kg		
Total HpCDF	110	----	4.6	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	120	----	4.6			
Total HpCDD	230	----	4.6			
OCDF	90	----	9.1			
OCDD	910	----	9.1			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-3(8-10)		
Lab Sample ID	40300412006-R2		
Filename	U251010A_09		
Injected By	AH5		
Total Amount Extracted	15.2 g	Matrix	Solid
% Moisture	5.1	Dilution	NA
Dry Weight Extracted	14.4 g	Collected	08/19/2025 11:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 14:19

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.70	2,3,7,8-TCDF-13C	2.00	73
Total TCDF	ND	----	0.70	2,3,7,8-TCDD-13C	2.00	71
				1,2,3,7,8-PeCDF-13C	2.00	74
2,3,7,8-TCDD	ND	----	0.70	2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	ND	----	0.70	1,2,3,7,8-PeCDD-13C	2.00	83
				1,2,3,4,7,8-HxCDF-13C	2.00	89
1,2,3,7,8-PeCDF	ND	----	3.5	1,2,3,6,7,8-HxCDF-13C	2.00	83
2,3,4,7,8-PeCDF	ND	----	3.5	2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	ND	----	3.5	1,2,3,7,8,9-HxCDF-13C	2.00	75
				1,2,3,4,7,8-HxCDD-13C	2.00	74
1,2,3,7,8-PeCDD	ND	----	3.5	1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	ND	----	3.5	1,2,3,4,6,7,8-HpCDF-13C	2.00	86
				1,2,3,4,7,8,9-HpCDF-13C	2.00	84
1,2,3,4,7,8-HxCDF	ND	----	3.5	1,2,3,4,6,7,8-HpCDD-13C	2.00	88
1,2,3,6,7,8-HxCDF	ND	----	3.5	OCDD-13C	4.00	65
2,3,4,6,7,8-HxCDF	ND	----	3.5			
1,2,3,7,8,9-HxCDF	ND	----	3.5	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	3.5	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	3.5	2,3,7,8-TCDD-37Cl4	0.20	70
1,2,3,6,7,8-HxCDD	ND	----	3.5			
1,2,3,7,8,9-HxCDD	ND	----	3.5			
Total HxCDD	ND	----	3.5			
1,2,3,4,6,7,8-HpCDF	ND	----	3.5	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	3.5	Equivalence: 0.0023 ng/Kg		
Total HpCDF	ND	----	3.5	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	3.5			
Total HpCDD	ND	----	3.5			
OCDF	ND	----	7.0			
OCDD	7.6	----	7.0			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

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NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-3(18-20)		
Lab Sample ID	40300412007		
Filename	U250901A_04		
Injected By	AH5		
Total Amount Extracted	16.7 g	Matrix	Solid
% Moisture	9.7	Dilution	NA
Dry Weight Extracted	15.1 g	Collected	08/19/2025 11:45
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U250901A_02	Extracted	08/26/2025 12:00
Method Blank ID	BLANK-120912	Analyzed	09/01/2025 10:40

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	29	----	0.66	C	2,3,7,8-TCDF-13C	2.00	81
Total TCDF	290	----	0.66		2,3,7,8-TCDD-13C	2.00	77
					1,2,3,7,8-PeCDF-13C	2.00	74
2,3,7,8-TCDD	1.6	----	0.66		2,3,4,7,8-PeCDF-13C	2.00	78
Total TCDD	37	----	0.66		1,2,3,7,8-PeCDD-13C	2.00	82
					1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	----	78	3.3	P	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	330	----	3.3		2,3,4,6,7,8-HxCDF-13C	2.00	82
Total PeCDF	1600	----	3.3		1,2,3,7,8,9-HxCDF-13C	2.00	82
					1,2,3,4,7,8-HxCDD-13C	2.00	70
1,2,3,7,8-PeCDD	6.8	----	3.3		1,2,3,6,7,8-HxCDD-13C	2.00	81
Total PeCDD	68	----	3.3		1,2,3,4,6,7,8-HpCDF-13C	2.00	78
					1,2,3,4,7,8,9-HpCDF-13C	2.00	86
1,2,3,4,7,8-HxCDF	----	2200	330	PDN2	1,2,3,4,6,7,8-HpCDD-13C	2.00	78
1,2,3,6,7,8-HxCDF	340	----	330	DN2	OCDD-13C	4.00	63
2,3,4,6,7,8-HxCDF	490	----	330	DN2			
1,2,3,7,8,9-HxCDF	420	----	330	DN2	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	39000	----	330	DN2	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	330	DN2	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	2500	----	330	DN2			
1,2,3,7,8,9-HxCDD	360	----	330	DN2			
Total HxCDD	7500	----	330	DN2			
1,2,3,4,6,7,8-HpCDF	----	47000	330	PDN2	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	3800	----	330	DN2	Equivalence: 2600 ng/Kg		
Total HpCDF	170000	----	330	DN2	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	100000	----	330	DN2			
Total HpCDD	160000	----	330	DN2			
OCDF	220000	----	660	DN2			
OCDD	930000	----	660	EDN2			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

P = PCDE Interference

E = Exceeds calibration range

D = Result obtained from analysis of diluted sample

Nn = Value obtained from additional analysis

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-4(2-3)		
Lab Sample ID	40300412008		
Filename	U250903A_12		
Injected By	SMT		
Total Amount Extracted	15.0 g	Matrix	Solid
% Moisture	18.7	Dilution	NA
Dry Weight Extracted	12.2 g	Collected	08/19/2025 12:30
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U250903A_06	Extracted	08/26/2025 12:00
Method Blank ID	BLANK-120912	Analyzed	09/03/2025 13:39

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	15	----	0.82	C	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	320	----	0.82		2,3,7,8-TCDD-13C	2.00	76
					1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	1.0	----	0.82		2,3,4,7,8-PeCDF-13C	2.00	74
Total TCDD	29	----	0.82		1,2,3,7,8-PeCDD-13C	2.00	83
					1,2,3,4,7,8-HxCDF-13C	2.00	88
1,2,3,7,8-PeCDF	23	----	4.1		1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	----	49	4.1	P	2,3,4,6,7,8-HxCDF-13C	2.00	79
Total PeCDF	420	----	4.1		1,2,3,7,8,9-HxCDF-13C	2.00	75
					1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	5.5	----	4.1		1,2,3,6,7,8-HxCDD-13C	2.00	80
Total PeCDD	69	----	4.1		1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	79
1,2,3,4,7,8-HxCDF	55	----	4.1		1,2,3,4,6,7,8-HpCDD-13C	2.00	85
1,2,3,6,7,8-HxCDF	----	51	4.1	P	OCDD-13C	4.00	65
2,3,4,6,7,8-HxCDF	62	----	4.1				
1,2,3,7,8,9-HxCDF	24	----	4.1		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	470	----	4.1		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	8.2	----	4.1		2,3,7,8-TCDD-37Cl4	0.20	73
1,2,3,6,7,8-HxCDD	10	----	4.1				
1,2,3,7,8,9-HxCDD	9.0	----	4.1				
Total HxCDD	130	----	4.1				
1,2,3,4,6,7,8-HpCDF	200	----	4.1		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	24	----	4.1		Equivalence: 48 ng/Kg		
Total HpCDF	300	----	4.1		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	75	----	4.1				
Total HpCDD	150	----	4.1				
OCDF	94	----	8.2				
OCDD	150	----	8.2				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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P = PCDE Interference

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-4(3-5)		
Lab Sample ID	40300412009-R2		
Filename	U251010A_10		
Injected By	AH5		
Total Amount Extracted	14.5 g	Matrix	Solid
% Moisture	4.1	Dilution	NA
Dry Weight Extracted	13.9 g	Collected	08/19/2025 12:35
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 15:06

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.72	2,3,7,8-TCDF-13C	2.00	79
Total TCDF	ND	----	0.72	2,3,7,8-TCDD-13C	2.00	75
				1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	ND	----	0.72	2,3,4,7,8-PeCDF-13C	2.00	86
Total TCDD	ND	----	0.72	1,2,3,7,8-PeCDD-13C	2.00	93
				1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	ND	----	3.6	1,2,3,6,7,8-HxCDF-13C	2.00	92
2,3,4,7,8-PeCDF	ND	----	3.6	2,3,4,6,7,8-HxCDF-13C	2.00	91
Total PeCDF	ND	----	3.6	1,2,3,7,8,9-HxCDF-13C	2.00	84
				1,2,3,4,7,8-HxCDD-13C	2.00	83
1,2,3,7,8-PeCDD	ND	----	3.6	1,2,3,6,7,8-HxCDD-13C	2.00	93
Total PeCDD	ND	----	3.6	1,2,3,4,6,7,8-HpCDF-13C	2.00	95
				1,2,3,4,7,8,9-HpCDF-13C	2.00	96
1,2,3,4,7,8-HxCDF	ND	----	3.6	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	----	3.6	OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	ND	----	3.6			
1,2,3,7,8,9-HxCDF	ND	----	3.6	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	3.6	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	3.6	2,3,7,8-TCDD-37Cl4	0.20	75
1,2,3,6,7,8-HxCDD	ND	----	3.6			
1,2,3,7,8,9-HxCDD	ND	----	3.6			
Total HxCDD	ND	----	3.6			
1,2,3,4,6,7,8-HpCDF	ND	----	3.6	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	3.6	Equivalence: 0.0026 ng/Kg		
Total HpCDF	ND	----	3.6	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	3.6			
Total HpCDD	ND	----	3.6			
OCDF	ND	----	7.2			
OCDD	8.7	----	7.2			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-5(2-4)		
Lab Sample ID	40300412010-R2		
Filename	U251010A_11		
Injected By	AH5		
Total Amount Extracted	12.4 g	Matrix	Solid
% Moisture	7.6	Dilution	NA
Dry Weight Extracted	11.5 g	Collected	08/19/2025 13:55
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 15:52

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.87	2,3,7,8-TCDF-13C	2.00	71
Total TCDF	ND	----	0.87	2,3,7,8-TCDD-13C	2.00	68
				1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	----	0.87	2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	ND	----	0.87	1,2,3,7,8-PeCDD-13C	2.00	82
				1,2,3,4,7,8-HxCDF-13C	2.00	86
1,2,3,7,8-PeCDF	ND	----	4.4	1,2,3,6,7,8-HxCDF-13C	2.00	85
2,3,4,7,8-PeCDF	ND	----	4.4	2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	ND	----	4.4	1,2,3,7,8,9-HxCDF-13C	2.00	75
				1,2,3,4,7,8-HxCDD-13C	2.00	76
1,2,3,7,8-PeCDD	ND	----	4.4	1,2,3,6,7,8-HxCDD-13C	2.00	85
Total PeCDD	ND	----	4.4	1,2,3,4,6,7,8-HpCDF-13C	2.00	87
				1,2,3,4,7,8,9-HpCDF-13C	2.00	86
1,2,3,4,7,8-HxCDF	ND	----	4.4	1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	ND	----	4.4	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	ND	----	4.4			
1,2,3,7,8,9-HxCDF	ND	----	4.4	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	4.4	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.4	2,3,7,8-TCDD-37Cl4	0.20	69
1,2,3,6,7,8-HxCDD	ND	----	4.4			
1,2,3,7,8,9-HxCDD	ND	----	4.4			
Total HxCDD	ND	----	4.4			
1,2,3,4,6,7,8-HpCDF	4.4	----	4.4	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.4	Equivalence: 0.22 ng/Kg		
Total HpCDF	20	----	4.4	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	14	----	4.4			
Total HpCDD	22	----	4.4			
OCDF	23	----	8.7			
OCDD	110	----	8.7			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-5(4.5-6.5)		
Lab Sample ID	40300412011-R2		
Filename	U251010A_12		
Injected By	AH5		
Total Amount Extracted	17.8 g	Matrix	Solid
% Moisture	13.7	Dilution	NA
Dry Weight Extracted	15.4 g	Collected	08/19/2025 14:10
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 16:39

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.65	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	ND	----	0.65	2,3,7,8-TCDD-13C	2.00	64
				1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	----	0.65	2,3,4,7,8-PeCDF-13C	2.00	75
Total TCDD	ND	----	0.65	1,2,3,7,8-PeCDD-13C	2.00	80
				1,2,3,4,7,8-HxCDF-13C	2.00	84
1,2,3,7,8-PeCDF	ND	----	3.3	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	ND	----	3.3	2,3,4,6,7,8-HxCDF-13C	2.00	80
Total PeCDF	ND	----	3.3	1,2,3,7,8,9-HxCDF-13C	2.00	69
				1,2,3,4,7,8-HxCDD-13C	2.00	75
1,2,3,7,8-PeCDD	ND	----	3.3	1,2,3,6,7,8-HxCDD-13C	2.00	82
Total PeCDD	ND	----	3.3	1,2,3,4,6,7,8-HpCDF-13C	2.00	85
				1,2,3,4,7,8,9-HpCDF-13C	2.00	79
1,2,3,4,7,8-HxCDF	ND	----	3.3	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	ND	----	3.3	OCDD-13C	4.00	43
2,3,4,6,7,8-HxCDF	ND	----	3.3			
1,2,3,7,8,9-HxCDF	ND	----	3.3	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	3.3	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	3.3	2,3,7,8-TCDD-37Cl4	0.20	65
1,2,3,6,7,8-HxCDD	ND	----	3.3			
1,2,3,7,8,9-HxCDD	ND	----	3.3			
Total HxCDD	ND	----	3.3			
1,2,3,4,6,7,8-HpCDF	ND	----	3.3	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	3.3	Equivalence: 0.053 ng/Kg		
Total HpCDF	4.6	----	3.3	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	4.1	----	3.3			
Total HpCDD	4.1	----	3.3			
OCDF	8.6	----	6.5			
OCDD	32	----	6.5			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
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NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-6(2-4)		
Lab Sample ID	40300412012-R2		
Filename	U251010A_13		
Injected By	AH5		
Total Amount Extracted	18.4 g	Matrix	Solid
% Moisture	10.7	Dilution	NA
Dry Weight Extracted	16.5 g	Collected	08/19/2025 14:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 17:25

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.61	2,3,7,8-TCDF-13C	2.00	70
Total TCDF	ND	----	0.61	2,3,7,8-TCDD-13C	2.00	67
				1,2,3,7,8-PeCDF-13C	2.00	65
2,3,7,8-TCDD	ND	----	0.61	2,3,4,7,8-PeCDF-13C	2.00	68
Total TCDD	ND	----	0.61	1,2,3,7,8-PeCDD-13C	2.00	72
				1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	ND	----	3.0	1,2,3,6,7,8-HxCDF-13C	2.00	71
2,3,4,7,8-PeCDF	ND	----	3.0	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	ND	----	3.0	1,2,3,7,8,9-HxCDF-13C	2.00	68
				1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	ND	----	3.0	1,2,3,6,7,8-HxCDD-13C	2.00	75
Total PeCDD	ND	----	3.0	1,2,3,4,6,7,8-HpCDF-13C	2.00	72
				1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	ND	----	3.0	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
1,2,3,6,7,8-HxCDF	ND	----	3.0	OCDD-13C	4.00	44
2,3,4,6,7,8-HxCDF	ND	----	3.0			
1,2,3,7,8,9-HxCDF	ND	----	3.0	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	3.0	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	3.0	2,3,7,8-TCDD-37Cl4	0.20	66
1,2,3,6,7,8-HxCDD	ND	----	3.0			
1,2,3,7,8,9-HxCDD	ND	----	3.0			
Total HxCDD	ND	----	3.0			
1,2,3,4,6,7,8-HpCDF	ND	----	3.0	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	3.0	Equivalence: 0.054 ng/Kg		
Total HpCDF	ND	----	3.0	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	4.0	----	3.0			
Total HpCDD	7.8	----	3.0			
OCDF	ND	----	6.1			
OCDD	45	----	6.1			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-6(5-7)		
Lab Sample ID	40300412013-R2		
Filename	U251010A_14		
Injected By	AH5		
Total Amount Extracted	17.6 g	Matrix	Solid
% Moisture	13.9	Dilution	NA
Dry Weight Extracted	15.2 g	Collected	08/19/2025 14:50
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 18:12

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.66	2,3,7,8-TCDF-13C	2.00	67
Total TCDF	ND	----	0.66	2,3,7,8-TCDD-13C	2.00	65
				1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	----	0.66	2,3,4,7,8-PeCDF-13C	2.00	74
Total TCDD	ND	----	0.66	1,2,3,7,8-PeCDD-13C	2.00	77
				1,2,3,4,7,8-HxCDF-13C	2.00	79
1,2,3,7,8-PeCDF	ND	----	3.3	1,2,3,6,7,8-HxCDF-13C	2.00	76
2,3,4,7,8-PeCDF	ND	----	3.3	2,3,4,6,7,8-HxCDF-13C	2.00	78
Total PeCDF	ND	----	3.3	1,2,3,7,8,9-HxCDF-13C	2.00	72
				1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	----	3.3	1,2,3,6,7,8-HxCDD-13C	2.00	78
Total PeCDD	ND	----	3.3	1,2,3,4,6,7,8-HpCDF-13C	2.00	81
				1,2,3,4,7,8,9-HpCDF-13C	2.00	82
1,2,3,4,7,8-HxCDF	ND	----	3.3	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	ND	----	3.3	OCDD-13C	4.00	54
2,3,4,6,7,8-HxCDF	ND	----	3.3			
1,2,3,7,8,9-HxCDF	ND	----	3.3	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	3.3	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	3.3	2,3,7,8-TCDD-37Cl4	0.20	65
1,2,3,6,7,8-HxCDD	ND	----	3.3			
1,2,3,7,8,9-HxCDD	ND	----	3.3			
Total HxCDD	ND	----	3.3			
1,2,3,4,6,7,8-HpCDF	ND	----	3.3	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	3.3	Equivalence: 0.0057 ng/Kg		
Total HpCDF	ND	----	3.3	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	3.3			
Total HpCDD	ND	----	3.3			
OCDF	ND	----	6.6			
OCDD	19	----	6.6			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-7(2-4)		
Lab Sample ID	40300412014-R2		
Filename	U251010A_15		
Injected By	AH5		
Total Amount Extracted	14.2 g	Matrix	Solid
% Moisture	9.5	Dilution	NA
Dry Weight Extracted	12.9 g	Collected	08/19/2025 15:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 18:58

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.78	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	ND	----	0.78	2,3,7,8-TCDD-13C	2.00	70
				1,2,3,7,8-PeCDF-13C	2.00	75
2,3,7,8-TCDD	ND	----	0.78	2,3,4,7,8-PeCDF-13C	2.00	80
Total TCDD	ND	----	0.78	1,2,3,7,8-PeCDD-13C	2.00	87
				1,2,3,4,7,8-HxCDF-13C	2.00	86
1,2,3,7,8-PeCDF	ND	----	3.9	1,2,3,6,7,8-HxCDF-13C	2.00	86
2,3,4,7,8-PeCDF	ND	----	3.9	2,3,4,6,7,8-HxCDF-13C	2.00	85
Total PeCDF	ND	----	3.9	1,2,3,7,8,9-HxCDF-13C	2.00	80
				1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	----	3.9	1,2,3,6,7,8-HxCDD-13C	2.00	85
Total PeCDD	ND	----	3.9	1,2,3,4,6,7,8-HpCDF-13C	2.00	88
				1,2,3,4,7,8,9-HpCDF-13C	2.00	88
1,2,3,4,7,8-HxCDF	ND	----	3.9	1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	ND	----	3.9	OCDD-13C	4.00	48
2,3,4,6,7,8-HxCDF	ND	----	3.9			
1,2,3,7,8,9-HxCDF	ND	----	3.9	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	3.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	3.9	2,3,7,8-TCDD-37Cl4	0.20	74
1,2,3,6,7,8-HxCDD	ND	----	3.9			
1,2,3,7,8,9-HxCDD	ND	----	3.9			
Total HxCDD	ND	----	3.9			
1,2,3,4,6,7,8-HpCDF	ND	----	3.9	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	3.9	Equivalence: 0.0067 ng/Kg		
Total HpCDF	ND	----	3.9	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	3.9			
Total HpCDD	ND	----	3.9			
OCDF	ND	----	7.8			
OCDD	22	----	7.8			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
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NC = Not Calculated

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REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-7(9-11)		
Lab Sample ID	40300412015-R2		
Filename	U251010A_16		
Injected By	AH5		
Total Amount Extracted	12.5 g	Matrix	Solid
% Moisture	10.3	Dilution	NA
Dry Weight Extracted	11.2 g	Collected	08/19/2025 16:00
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 19:45

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.89	2,3,7,8-TCDF-13C	2.00	94
Total TCDF	ND	----	0.89	2,3,7,8-TCDD-13C	2.00	88
				1,2,3,7,8-PeCDF-13C	2.00	93
2,3,7,8-TCDD	ND	----	0.89	2,3,4,7,8-PeCDF-13C	2.00	101
Total TCDD	ND	----	0.89	1,2,3,7,8-PeCDD-13C	2.00	109
				1,2,3,4,7,8-HxCDF-13C	2.00	105
1,2,3,7,8-PeCDF	ND	----	4.4	1,2,3,6,7,8-HxCDF-13C	2.00	104
2,3,4,7,8-PeCDF	ND	----	4.4	2,3,4,6,7,8-HxCDF-13C	2.00	102
Total PeCDF	ND	----	4.4	1,2,3,7,8,9-HxCDF-13C	2.00	92
				1,2,3,4,7,8-HxCDD-13C	2.00	96
1,2,3,7,8-PeCDD	ND	----	4.4	1,2,3,6,7,8-HxCDD-13C	2.00	104
Total PeCDD	ND	----	4.4	1,2,3,4,6,7,8-HpCDF-13C	2.00	107
				1,2,3,4,7,8,9-HpCDF-13C	2.00	103
1,2,3,4,7,8-HxCDF	ND	----	4.4	1,2,3,4,6,7,8-HpCDD-13C	2.00	108
1,2,3,6,7,8-HxCDF	ND	----	4.4	OCDD-13C	4.00	48
2,3,4,6,7,8-HxCDF	ND	----	4.4			
1,2,3,7,8,9-HxCDF	ND	----	4.4	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	4.4	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.4	2,3,7,8-TCDD-37Cl4	0.20	93
1,2,3,6,7,8-HxCDD	ND	----	4.4			
1,2,3,7,8,9-HxCDD	ND	----	4.4			
Total HxCDD	ND	----	4.4			
1,2,3,4,6,7,8-HpCDF	ND	----	4.4	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.4	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	----	4.4	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	4.4			
Total HpCDD	ND	----	4.4			
OCDF	ND	----	8.9			
OCDD	ND	----	8.9			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-8(1.5-3.5)		
Lab Sample ID	40300412016-R2		
Filename	U251013B_03		
Injected By	SMT		
Total Amount Extracted	15.8 g	Matrix	Solid
% Moisture	13.3	Dilution	NA
Dry Weight Extracted	13.7 g	Collected	08/19/2025 16:30
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251013A_16	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/13/2025 23:21

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.73	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	ND	----	0.73	2,3,7,8-TCDD-13C	2.00	63
				1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	ND	----	0.73	2,3,4,7,8-PeCDF-13C	2.00	63
Total TCDD	ND	----	0.73	1,2,3,7,8-PeCDD-13C	2.00	68
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	ND	----	3.6	1,2,3,6,7,8-HxCDF-13C	2.00	79
2,3,4,7,8-PeCDF	ND	----	3.6	2,3,4,6,7,8-HxCDF-13C	2.00	77
Total PeCDF	ND	----	3.6	1,2,3,7,8,9-HxCDF-13C	2.00	66
				1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	ND	----	3.6	1,2,3,6,7,8-HxCDD-13C	2.00	77
Total PeCDD	ND	----	3.6	1,2,3,4,6,7,8-HpCDF-13C	2.00	65
				1,2,3,4,7,8,9-HpCDF-13C	2.00	54
1,2,3,4,7,8-HxCDF	ND	----	3.6	1,2,3,4,6,7,8-HpCDD-13C	2.00	58
1,2,3,6,7,8-HxCDF	ND	----	3.6	OCDD-13C	4.00	31
2,3,4,6,7,8-HxCDF	ND	----	3.6			
1,2,3,7,8,9-HxCDF	ND	----	3.6	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	3.6	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	3.6	2,3,7,8-TCDD-37Cl4	0.20	65
1,2,3,6,7,8-HxCDD	ND	----	3.6			
1,2,3,7,8,9-HxCDD	ND	----	3.6			
Total HxCDD	ND	----	3.6			
1,2,3,4,6,7,8-HpCDF	ND	----	3.6	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	3.6	Equivalence: 0.0026 ng/Kg		
Total HpCDF	ND	----	3.6	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	3.6			
Total HpCDD	ND	----	3.6			
OCDF	ND	----	7.3			
OCDD	8.6	----	7.3			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-8(5-7)		
Lab Sample ID	40300412017-R2		
Filename	U251013B_04		
Injected By	SMT		
Total Amount Extracted	12.8 g	Matrix	Solid
% Moisture	3.7	Dilution	NA
Dry Weight Extracted	12.3 g	Collected	08/19/2025 16:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251013A_16	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/14/2025 00:07

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.81	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	ND	----	0.81	2,3,7,8-TCDD-13C	2.00	70
				1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	----	0.81	2,3,4,7,8-PeCDF-13C	2.00	73
Total TCDD	ND	----	0.81	1,2,3,7,8-PeCDD-13C	2.00	77
				1,2,3,4,7,8-HxCDF-13C	2.00	90
1,2,3,7,8-PeCDF	ND	----	4.1	1,2,3,6,7,8-HxCDF-13C	2.00	90
2,3,4,7,8-PeCDF	ND	----	4.1	2,3,4,6,7,8-HxCDF-13C	2.00	85
Total PeCDF	ND	----	4.1	1,2,3,7,8,9-HxCDF-13C	2.00	70
				1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	----	4.1	1,2,3,6,7,8-HxCDD-13C	2.00	90
Total PeCDD	ND	----	4.1	1,2,3,4,6,7,8-HpCDF-13C	2.00	73
				1,2,3,4,7,8,9-HpCDF-13C	2.00	61
1,2,3,4,7,8-HxCDF	ND	----	4.1	1,2,3,4,6,7,8-HpCDD-13C	2.00	69
1,2,3,6,7,8-HxCDF	ND	----	4.1	OCDD-13C	4.00	36
2,3,4,6,7,8-HxCDF	ND	----	4.1			
1,2,3,7,8,9-HxCDF	ND	----	4.1	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	4.1	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	4.1	2,3,7,8-TCDD-37Cl4	0.20	72
1,2,3,6,7,8-HxCDD	ND	----	4.1			
1,2,3,7,8,9-HxCDD	ND	----	4.1			
Total HxCDD	ND	----	4.1			
1,2,3,4,6,7,8-HpCDF	ND	----	4.1	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	4.1	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	----	4.1	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	4.1			
Total HpCDD	ND	----	4.1			
OCDF	ND	----	8.1			
OCDD	ND	----	8.1			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

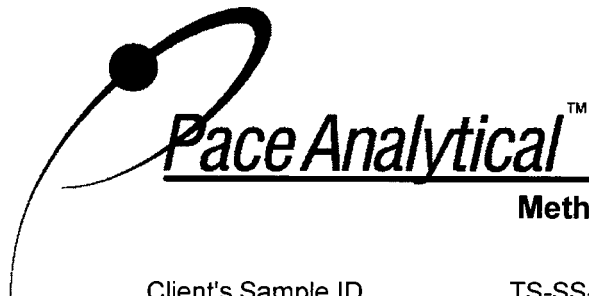
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-4(16.5-18.5)		
Lab Sample ID	40300412018		
Filename	L250902B_14		
Injected By	SMT		
Total Amount Extracted	15.4 g	Matrix	Solid
% Moisture	12.3	Dilution	NA
Dry Weight Extracted	13.5 g	Collected	08/19/2025 18:00
ICAL ID	L250710	Received	08/22/2025 10:30
CCal Filename(s)	L250902A_17	Extracted	08/27/2025 12:00
Method Blank ID	BLANK-120926	Analyzed	09/03/2025 10:26

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	21	----	0.74	C	2,3,7,8-TCDF-13C	2.00	107
Total TCDF	190	----	0.87		2,3,7,8-TCDD-13C	2.00	94
					1,2,3,7,8-PeCDF-13C	2.00	103
2,3,7,8-TCDD	ND	----	0.74		2,3,4,7,8-PeCDF-13C	2.00	119
Total TCDD	11	----	0.74		1,2,3,7,8-PeCDD-13C	2.00	117
					1,2,3,4,7,8-HxCDF-13C	2.00	105
1,2,3,7,8-PeCDF	54	----	3.7		1,2,3,6,7,8-HxCDF-13C	2.00	102
2,3,4,7,8-PeCDF	220	----	3.7		2,3,4,6,7,8-HxCDF-13C	2.00	96
Total PeCDF	1500	----	3.7		1,2,3,7,8,9-HxCDF-13C	2.00	94
					1,2,3,4,7,8-HxCDD-13C	2.00	80
1,2,3,7,8-PeCDD	ND	----	3.7		1,2,3,6,7,8-HxCDD-13C	2.00	108
Total PeCDD	17	----	3.7		1,2,3,4,6,7,8-HpCDF-13C	2.00	87
					1,2,3,4,7,8,9-HpCDF-13C	2.00	89
1,2,3,4,7,8-HxCDF	1300	----	74	DN2	1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	230	----	74	DN2	OCDD-13C	4.00	74
2,3,4,6,7,8-HxCDF	360	----	74	DN2			
1,2,3,7,8,9-HxCDF	260	----	74	DN2	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	7500	----	74	DN2	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	74	DN2	2,3,7,8-TCDD-37Cl4	0.20	87
1,2,3,6,7,8-HxCDD	1800	----	74	DN2			
1,2,3,7,8,9-HxCDD	160	----	74	DN2			
Total HxCDD	5000	----	74	DN2			
1,2,3,4,6,7,8-HpCDF	17000	----	74	DN2	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	950	----	74	DN2	Equivalence: 1400 ng/Kg		
Total HpCDF	18000	----	74	DN2	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	53000	----	74	EDN2			
Total HpCDD	84000	----	74	EDN2			
OCDF	110000	----	150	EDN2			
OCDD	470000	----	150	EDN2			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

E = Exceeds calibration range

D = Result obtained from analysis of diluted sample

Nn = Value obtained from additional analysis

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	DUP-1		
Lab Sample ID	40300412020		
Filename	L251014A_03		
Injected By	SMT		
Total Amount Extracted	14.2 g	Matrix	Solid
% Moisture	7.2	Dilution	NA
Dry Weight Extracted	13.2 g	Collected	08/19/2025 14:20
ICAL ID	L250710	Received	08/22/2025 10:30
CCal Filename(s)	L251014A_01	Extracted	08/27/2025 12:00
Method Blank ID	BLANK-120926	Analyzed	10/14/2025 10:41

Native Isomers	Conc ng/Kg	EMPC ng/Kg	RL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.76	2,3,7,8-TCDF-13C	2.00	85
Total TCDF	ND	----	0.76	2,3,7,8-TCDD-13C	2.00	77
				1,2,3,7,8-PeCDF-13C	2.00	88
2,3,7,8-TCDD	ND	----	0.76	2,3,4,7,8-PeCDF-13C	2.00	88
Total TCDD	ND	----	0.76	1,2,3,7,8-PeCDD-13C	2.00	98
				1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	ND	----	3.8	1,2,3,6,7,8-HxCDF-13C	2.00	86
2,3,4,7,8-PeCDF	ND	----	3.8	2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	ND	----	3.8	1,2,3,7,8,9-HxCDF-13C	2.00	77
				1,2,3,4,7,8-HxCDD-13C	2.00	81
1,2,3,7,8-PeCDD	ND	----	3.8	1,2,3,6,7,8-HxCDD-13C	2.00	93
Total PeCDD	ND	----	3.8	1,2,3,4,6,7,8-HpCDF-13C	2.00	82
				1,2,3,4,7,8,9-HpCDF-13C	2.00	94
1,2,3,4,7,8-HxCDF	ND	----	3.8	1,2,3,4,6,7,8-HpCDD-13C	2.00	97
1,2,3,6,7,8-HxCDF	ND	----	3.8	OCDD-13C	4.00	92
2,3,4,6,7,8-HxCDF	ND	----	3.8			
1,2,3,7,8,9-HxCDF	ND	----	3.8	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	3.8	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	3.8	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	ND	----	3.8			
1,2,3,7,8,9-HxCDD	ND	----	3.8			
Total HxCDD	ND	----	3.8			
1,2,3,4,6,7,8-HpCDF	ND	----	3.8	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	3.8	Equivalence: 0.13 ng/Kg		
Total HpCDF	13	----	3.8	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	10	----	3.8			
Total HpCDD	16	----	3.8			
OCDF	20	----	7.6			
OCDD	90	----	7.6			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
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Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- I = Value between the MDL and the PQL
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- * = See Discussion

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Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-1(2-4)		
Lab Sample ID	40300412001-R2		
Filename	U251010A_04		
Injected By	AH5		
Total Amount Extracted	14.2 g	Matrix	Solid
% Moisture	20.3	Dilution	NA
Dry Weight Extracted	11.4 g	Collected	08/19/2025 08:50
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 10:26

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.73	—	0.049	BJ	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	12	—	0.049		2,3,7,8-TCDD-13C	2.00	66
					1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	—	0.061		2,3,4,7,8-PeCDF-13C	2.00	70
Total TCDD	1.8	—	0.061		1,2,3,7,8-PeCDD-13C	2.00	74
					1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	—	0.65	0.049	JL	1,2,3,6,7,8-HxCDF-13C	2.00	75
2,3,4,7,8-PeCDF	1.8	—	0.034	J	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	29	—	0.049		1,2,3,7,8,9-HxCDF-13C	2.00	70
					1,2,3,4,7,8-HxCDD-13C	2.00	64
1,2,3,7,8-PeCDD	1.0	—	0.032	J	1,2,3,6,7,8-HxCDD-13C	2.00	76
Total PeCDD	5.4	—	0.032		1,2,3,4,6,7,8-HpCDF-13C	2.00	75
					1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	2.5	—	0.065	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	77
1,2,3,6,7,8-HxCDF	2.9	—	0.064	J	OCDD-13C	4.00	59
2,3,4,6,7,8-HxCDF	3.3	—	0.062	J			
1,2,3,7,8,9-HxCDF	0.85	—	0.079	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	66	—	0.079		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	2.0	—	0.026	J	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	5.2	—	0.022				
1,2,3,7,8,9-HxCDD	3.2	—	0.023	J			
Total HxCDD	44	—	0.026				
1,2,3,4,6,7,8-HpCDF	48	—	0.11		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	2.3	—	0.13	J	Equivalence: 5.5 ng/Kg		
Total HpCDF	93	—	0.13		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	110	—	0.040				
Total HpCDD	220	—	0.040				
OCDF	58	—	0.16				
OCDD	820	—	0.17				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-1(6-8)		
Lab Sample ID	40300412002-R2		
Filename	U251010A_05		
Injected By	AH5		
Total Amount Extracted	16.0 g	Matrix	Solid
% Moisture	21.5	Dilution	NA
Dry Weight Extracted	12.6 g	Collected	08/19/2025 09:20
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 11:13

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.14	—	0.098	BJ	2,3,7,8-TCDF-13C	2.00	76
Total TCDF	0.14	—	0.098	BJ	2,3,7,8-TCDD-13C	2.00	72
					1,2,3,7,8-PeCDF-13C	2.00	78
2,3,7,8-TCDD	ND	—	0.10		2,3,4,7,8-PeCDF-13C	2.00	82
Total TCDD	0.15	—	0.10	BJ	1,2,3,7,8-PeCDD-13C	2.00	89
					1,2,3,4,7,8-HxCDF-13C	2.00	91
1,2,3,7,8-PeCDF	ND	—	0.043		1,2,3,6,7,8-HxCDF-13C	2.00	89
2,3,4,7,8-PeCDF	ND	—	0.029		2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	ND	—	0.043		1,2,3,7,8,9-HxCDF-13C	2.00	78
					1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	—	0.034		1,2,3,6,7,8-HxCDD-13C	2.00	91
Total PeCDD	ND	—	0.034		1,2,3,4,6,7,8-HpCDF-13C	2.00	88
					1,2,3,4,7,8,9-HpCDF-13C	2.00	88
1,2,3,4,7,8-HxCDF	ND	—	0.036		1,2,3,4,6,7,8-HpCDD-13C	2.00	95
1,2,3,6,7,8-HxCDF	ND	—	0.038		OCDD-13C	4.00	71
2,3,4,6,7,8-HxCDF	ND	—	0.034				
1,2,3,7,8,9-HxCDF	—	0.064	0.050	Jl	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.050		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.20	—	0.046	BJ	2,3,7,8-TCDD-37Cl4	0.20	72
1,2,3,6,7,8-HxCDD	ND	—	0.041				
1,2,3,7,8,9-HxCDD	ND	—	0.043				
Total HxCDD	0.20	—	0.046	BJ			
1,2,3,4,6,7,8-HpCDF	0.090	—	0.078	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.10		Equivalence: 0.046 ng/Kg		
Total HpCDF	0.090	—	0.10	B	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	0.25	—	0.069	J			
Total HpCDD	0.25	—	0.069	J			
OCDF	—	0.27	0.15	Jl			
OCDD	3.8	—	0.21	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-2(1-3)		
Lab Sample ID	40300412003-R2		
Filename	U251010A_06		
Injected By	AH5		
Total Amount Extracted	13.4 g	Matrix	Solid
% Moisture	15.4	Dilution	NA
Dry Weight Extracted	11.3 g	Collected	08/19/2025 10:30
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 11:59

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	2.1	—	0.063	C	2,3,7,8-TCDF-13C	2.00	70
Total TCDF	42	—	0.11		2,3,7,8-TCDD-13C	2.00	67
					1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	0.23	—	0.061	J	2,3,4,7,8-PeCDF-13C	2.00	72
Total TCDD	4.4	—	0.061		1,2,3,7,8-PeCDD-13C	2.00	76
					1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	—	1.7	0.078	JI	1,2,3,6,7,8-HxCDF-13C	2.00	72
2,3,4,7,8-PeCDF	4.4	—	0.055		2,3,4,6,7,8-HxCDF-13C	2.00	70
Total PeCDF	70	—	0.078		1,2,3,7,8,9-HxCDF-13C	2.00	70
					1,2,3,4,7,8-HxCDD-13C	2.00	68
1,2,3,7,8-PeCDD	1.5	—	0.061	J	1,2,3,6,7,8-HxCDD-13C	2.00	74
Total PeCDD	16	—	0.061		1,2,3,4,6,7,8-HpCDF-13C	2.00	73
					1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	5.7	—	0.22		1,2,3,4,6,7,8-HpCDD-13C	2.00	79
1,2,3,6,7,8-HxCDF	6.4	—	0.21		OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	7.8	—	0.21				
1,2,3,7,8,9-HxCDF	1.4	—	0.24	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	130	—	0.24		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	3.7	—	0.072	J	2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	11	—	0.061				
1,2,3,7,8,9-HxCDD	7.1	—	0.065				
Total HxCDD	93	—	0.072				
1,2,3,4,6,7,8-HpCDF	91	—	0.26		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	4.0	—	0.32	J	Equivalence: 12 ng/Kg		
Total HpCDF	190	—	0.32		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	240	—	0.077				
Total HpCDD	450	—	0.077				
OCDF	110	—	0.15				
OCDD	1800	—	0.29				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

I = Isotope ratio out of specification

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-2(3.5-5.5)		
Lab Sample ID	40300412004-R2		
Filename	U251010A_07		
Injected By	AH5		
Total Amount Extracted	13.3 g	Matrix	Solid
% Moisture	13.3	Dilution	NA
Dry Weight Extracted	11.5 g	Collected	08/19/2025 10:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 12:46

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.17	—	0.13	BJ	2,3,7,8-TCDF-13C	2.00	67
Total TCDF	0.17	—	0.13	BJ	2,3,7,8-TCDD-13C	2.00	61
					1,2,3,7,8-PeCDF-13C	2.00	68
2,3,7,8-TCDD	ND	—	0.13		2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	ND	—	0.13		1,2,3,7,8-PeCDD-13C	2.00	77
					1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	ND	—	0.093		1,2,3,6,7,8-HxCDF-13C	2.00	76
2,3,4,7,8-PeCDF	—	0.090	0.065	Jl	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	ND	—	0.093		1,2,3,7,8,9-HxCDF-13C	2.00	67
					1,2,3,4,7,8-HxCDD-13C	2.00	71
1,2,3,7,8-PeCDD	ND	—	0.055		1,2,3,6,7,8-HxCDD-13C	2.00	80
Total PeCDD	ND	—	0.055		1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	80
1,2,3,4,7,8-HxCDF	0.47	—	0.054	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	0.22	—	0.054	J	OCDD-13C	4.00	61
2,3,4,6,7,8-HxCDF	0.18	—	0.051	J			
1,2,3,7,8,9-HxCDF	—	0.23	0.076	Jl	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	7.9	—	0.076		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.18	0.057	Jl	2,3,7,8-TCDD-37Cl4	0.20	61
1,2,3,6,7,8-HxCDD	0.75	—	0.050	J			
1,2,3,7,8,9-HxCDD	0.16	—	0.052	J			
Total HxCDD	2.0	—	0.057	J			
1,2,3,4,6,7,8-HpCDF	6.3	—	0.046		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.48	—	0.063	J	Equivalence: 0.58 ng/Kg		
Total HpCDF	30	—	0.063		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	19	—	0.082				
Total HpCDD	30	—	0.082				
OCDF	34	—	0.13				
OCDD	160	—	0.14				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-3(2-4)		
Lab Sample ID	40300412005-R2		
Filename	U251010A_08		
Injected By	AH5		
Total Amount Extracted	15.6 g	Matrix	Solid
% Moisture	29.9	Dilution	NA
Dry Weight Extracted	10.9 g	Collected	08/19/2025 11:35
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 13:33

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	1.5	—	0.090	BC	2,3,7,8-TCDF-13C	2.00	65
Total TCDF	30	—	0.059		2,3,7,8-TCDD-13C	2.00	62
					1,2,3,7,8-PeCDF-13C	2.00	63
2,3,7,8-TCDD	—	0.15	0.084	JI	2,3,4,7,8-PeCDF-13C	2.00	68
Total TCDD	5.8	—	0.084		1,2,3,7,8-PeCDD-13C	2.00	71
					1,2,3,4,7,8-HxCDF-13C	2.00	71
1,2,3,7,8-PeCDF	0.99	—	0.054	J	1,2,3,6,7,8-HxCDF-13C	2.00	70
2,3,4,7,8-PeCDF	2.9	—	0.037	J	2,3,4,6,7,8-HxCDF-13C	2.00	68
Total PeCDF	47	—	0.054		1,2,3,7,8,9-HxCDF-13C	2.00	66
					1,2,3,4,7,8-HxCDD-13C	2.00	63
1,2,3,7,8-PeCDD	0.96	—	0.037	J	1,2,3,6,7,8-HxCDD-13C	2.00	71
Total PeCDD	8.0	—	0.037		1,2,3,4,6,7,8-HpCDF-13C	2.00	69
					1,2,3,4,7,8,9-HpCDF-13C	2.00	69
1,2,3,4,7,8-HxCDF	2.9	—	0.10	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	74
1,2,3,6,7,8-HxCDF	2.5	—	0.099	J	OCDD-13C	4.00	56
2,3,4,6,7,8-HxCDF	3.9	—	0.10	J			
1,2,3,7,8,9-HxCDF	0.79	—	0.12	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	70	—	0.12		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.7	—	0.059	J	2,3,7,8-TCDD-37Cl4	0.20	63
1,2,3,6,7,8-HxCDD	6.0	—	0.051				
1,2,3,7,8,9-HxCDD	3.8	—	0.054	J			
Total HxCDD	47	—	0.059				
1,2,3,4,6,7,8-HpCDF	48	—	0.090		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	2.6	—	0.12	J	Equivalence: 6.4 ng/Kg		
Total HpCDF	120	—	0.12		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	120	—	0.073				
Total HpCDD	230	—	0.073				
OCDF	90	—	0.15				
OCDD	910	—	0.14				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-3(8-10)		
Lab Sample ID	40300412006-R2		
Filename	U251010A_09		
Injected By	AH5		
Total Amount Extracted	15.2 g	Matrix	Solid
% Moisture	5.1	Dilution	NA
Dry Weight Extracted	14.4 g	Collected	08/19/2025 11:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 14:19

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	—	0.13	0.10	Jl	2,3,7,8-TCDF-13C	2.00	73
Total TCDF	ND	—	0.10		2,3,7,8-TCDD-13C	2.00	71
					1,2,3,7,8-PeCDF-13C	2.00	74
2,3,7,8-TCDD	ND	—	0.15		2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	ND	—	0.15		1,2,3,7,8-PeCDD-13C	2.00	83
					1,2,3,4,7,8-HxCDF-13C	2.00	89
1,2,3,7,8-PeCDF	ND	—	0.061		1,2,3,6,7,8-HxCDF-13C	2.00	83
2,3,4,7,8-PeCDF	ND	—	0.045		2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	ND	—	0.061		1,2,3,7,8,9-HxCDF-13C	2.00	75
					1,2,3,4,7,8-HxCDD-13C	2.00	74
1,2,3,7,8-PeCDD	ND	—	0.021		1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	ND	—	0.021		1,2,3,4,6,7,8-HpCDF-13C	2.00	86
					1,2,3,4,7,8,9-HpCDF-13C	2.00	84
1,2,3,4,7,8-HxCDF	ND	—	0.052		1,2,3,4,6,7,8-HpCDD-13C	2.00	88
1,2,3,6,7,8-HxCDF	ND	—	0.056		OCDD-13C	4.00	65
2,3,4,6,7,8-HxCDF	ND	—	0.050				
1,2,3,7,8,9-HxCDF	0.12	—	0.073	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.12	—	0.073	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.14	0.025	Jl	2,3,7,8-TCDD-37Cl4	0.20	70
1,2,3,6,7,8-HxCDD	—	0.057	0.023	Jl			
1,2,3,7,8,9-HxCDD	ND	—	0.024				
Total HxCDD	ND	—	0.025				
1,2,3,4,6,7,8-HpCDF	0.098	—	0.067	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.089		Equivalence: 0.051 ng/Kg		
Total HpCDF	0.37	—	0.089	BJ	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	0.30	0.045	Jl			
Total HpCDD	ND	—	0.045				
OCDF	0.47	—	0.097	J			
OCDD	7.6	—	0.21	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-3(18-20)		
Lab Sample ID	40300412007		
Filename	U250901A_04		
Injected By	AH5		
Total Amount Extracted	16.7 g	Matrix	Solid
% Moisture	9.7	Dilution	NA
Dry Weight Extracted	15.1 g	Collected	08/19/2025 11:45
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U250901A_02	Extracted	08/26/2025 12:00
Method Blank ID	BLANK-120912	Analyzed	09/01/2025 10:40

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	29	—	0.13	C	2,3,7,8-TCDF-13C	2.00	81
Total TCDF	290	—	0.13		2,3,7,8-TCDD-13C	2.00	77
					1,2,3,7,8-PeCDF-13C	2.00	74
2,3,7,8-TCDD	1.6	—	0.073		2,3,4,7,8-PeCDF-13C	2.00	78
Total TCDD	39	—	0.073		1,2,3,7,8-PeCDD-13C	2.00	82
					1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	—	78	0.13	P	1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	330	—	0.099		2,3,4,6,7,8-HxCDF-13C	2.00	82
Total PeCDF	1600	—	0.13		1,2,3,7,8,9-HxCDF-13C	2.00	82
					1,2,3,4,7,8-HxCDD-13C	2.00	70
1,2,3,7,8-PeCDD	6.8	—	0.093		1,2,3,6,7,8-HxCDD-13C	2.00	81
Total PeCDD	70	—	0.093		1,2,3,4,6,7,8-HpCDF-13C	2.00	78
					1,2,3,4,7,8,9-HpCDF-13C	2.00	86
1,2,3,4,7,8-HxCDF	—	2200	37	PDN2	1,2,3,4,6,7,8-HpCDD-13C	2.00	78
1,2,3,6,7,8-HxCDF	340	—	30	DN2	OCDD-13C	4.00	63
2,3,4,6,7,8-HxCDF	490	—	59	DN2			
1,2,3,7,8,9-HxCDF	420	—	46	DN2	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	39000	—	59	DN2	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	—	67	DN2	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	2500	—	57	DN2			
1,2,3,7,8,9-HxCDD	360	—	59	DN2			
Total HxCDD	7900	—	67	DN2			
1,2,3,4,6,7,8-HpCDF	—	47000	5.0	PDN2	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	3800	—	6.3	DN2	Equivalence: 2600 ng/Kg		
Total HpCDF	170000	—	6.3	DN2	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	100000	—	4.3	DN2			
Total HpCDD	160000	—	4.3	DN2			
OCDF	220000	—	80	DN2			
OCDD	930000	—	14	EDN2			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

P = PCDE Interference

E = Exceeds calibration range

D = Result obtained from analysis of diluted sample

Nn = Value obtained from additional analysis

C = Result obtained from confirmation analysis

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-4(2-3)		
Lab Sample ID	40300412008		
Filename	U250903A_12		
Injected By	SMT		
Total Amount Extracted	15.0 g	Matrix	Solid
% Moisture	18.7	Dilution	NA
Dry Weight Extracted	12.2 g	Collected	08/19/2025 12:30
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U250903A_06	Extracted	08/26/2025 12:00
Method Blank ID	BLANK-120912	Analyzed	09/03/2025 13:39

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	15	—	0.14	C	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	320	—	0.093		2,3,7,8-TCDD-13C	2.00	76
					1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	1.0	—	0.057		2,3,4,7,8-PeCDF-13C	2.00	74
Total TCDD	31	—	0.057		1,2,3,7,8-PeCDD-13C	2.00	83
					1,2,3,4,7,8-HxCDF-13C	2.00	88
1,2,3,7,8-PeCDF	23	—	0.56		1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	—	49	0.40	P	2,3,4,6,7,8-HxCDF-13C	2.00	79
Total PeCDF	420	—	0.56		1,2,3,7,8,9-HxCDF-13C	2.00	75
					1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	5.5	—	0.038		1,2,3,6,7,8-HxCDD-13C	2.00	80
Total PeCDD	71	—	0.038		1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	79
1,2,3,4,7,8-HxCDF	55	—	0.42		1,2,3,4,6,7,8-HpCDD-13C	2.00	85
1,2,3,6,7,8-HxCDF	—	51	0.41	P	OCDD-13C	4.00	65
2,3,4,6,7,8-HxCDF	62	—	0.40				
1,2,3,7,8,9-HxCDF	24	—	0.48		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	470	—	0.48		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	8.2	—	0.13		2,3,7,8-TCDD-37Cl4	0.20	73
1,2,3,6,7,8-HxCDD	10	—	0.11				
1,2,3,7,8,9-HxCDD	9.0	—	0.12				
Total HxCDD	130	—	0.13				
1,2,3,4,6,7,8-HpCDF	200	—	0.53		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	24	—	0.75		Equivalence: 48 ng/Kg		
Total HpCDF	300	—	0.75		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	75	—	0.32				
Total HpCDD	150	—	0.32				
OCDF	94	—	0.29				
OCDD	150	—	0.85				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

P = PCDE Interference

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-4(3-5)		
Lab Sample ID	40300412009-R2		
Filename	U251010A_10		
Injected By	AH5		
Total Amount Extracted	14.5 g	Matrix	Solid
% Moisture	4.1	Dilution	NA
Dry Weight Extracted	13.9 g	Collected	08/19/2025 12:35
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 15:06

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.16	—	0.050	BJ	2,3,7,8-TCDF-13C	2.00	79
Total TCDF	0.28	—	0.050	BJ	2,3,7,8-TCDD-13C	2.00	75
					1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	ND	—	0.046		2,3,4,7,8-PeCDF-13C	2.00	86
Total TCDD	ND	—	0.046		1,2,3,7,8-PeCDD-13C	2.00	93
					1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	ND	—	0.028		1,2,3,6,7,8-HxCDF-13C	2.00	92
2,3,4,7,8-PeCDF	—	0.057	0.020	Jl	2,3,4,6,7,8-HxCDF-13C	2.00	91
Total PeCDF	0.070	—	0.028	J	1,2,3,7,8,9-HxCDF-13C	2.00	84
					1,2,3,4,7,8-HxCDD-13C	2.00	83
1,2,3,7,8-PeCDD	ND	—	0.035		1,2,3,6,7,8-HxCDD-13C	2.00	93
Total PeCDD	ND	—	0.035		1,2,3,4,6,7,8-HpCDF-13C	2.00	95
					1,2,3,4,7,8,9-HpCDF-13C	2.00	96
1,2,3,4,7,8-HxCDF	0.095	—	0.028	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	0.049	—	0.028	J	OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	0.097	—	0.028	J			
1,2,3,7,8,9-HxCDF	0.099	—	0.039	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.62	—	0.039	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.17	—	0.026	BJ	2,3,7,8-TCDD-37Cl4	0.20	75
1,2,3,6,7,8-HxCDD	—	0.072	0.021	Jl			
1,2,3,7,8,9-HxCDD	ND	—	0.023				
Total HxCDD	0.28	—	0.026	BJ			
1,2,3,4,6,7,8-HpCDF	0.41	—	0.042	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.058		Equivalence: 0.11 ng/Kg		
Total HpCDF	1.5	—	0.058	J	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	0.92	—	0.043	J			
Total HpCDD	1.6	—	0.043	J			
OCDF	1.7	—	0.089	J			
OCDD	8.7	—	0.090	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-5(2-4)		
Lab Sample ID	40300412010-R2		
Filename	U251010A_11		
Injected By	AH5		
Total Amount Extracted	12.4 g	Matrix	Solid
% Moisture	7.6	Dilution	NA
Dry Weight Extracted	11.5 g	Collected	08/19/2025 13:55
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 15:52

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	—	0.12	0.053	Jl	2,3,7,8-TCDF-13C	2.00	71
Total TCDF	0.11	—	0.053	BJ	2,3,7,8-TCDD-13C	2.00	68
					1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	—	0.048		2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	ND	—	0.048		1,2,3,7,8-PeCDD-13C	2.00	82
					1,2,3,4,7,8-HxCDF-13C	2.00	86
1,2,3,7,8-PeCDF	ND	—	0.042		1,2,3,6,7,8-HxCDF-13C	2.00	85
2,3,4,7,8-PeCDF	—	0.073	0.028	Jl	2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	ND	—	0.042		1,2,3,7,8,9-HxCDF-13C	2.00	75
					1,2,3,4,7,8-HxCDD-13C	2.00	76
1,2,3,7,8-PeCDD	ND	—	0.040		1,2,3,6,7,8-HxCDD-13C	2.00	85
Total PeCDD	ND	—	0.040		1,2,3,4,6,7,8-HpCDF-13C	2.00	87
					1,2,3,4,7,8,9-HpCDF-13C	2.00	86
1,2,3,4,7,8-HxCDF	—	0.35	0.033	Jl	1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	—	0.19	0.034	Jl	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	0.14	—	0.035	J			
1,2,3,7,8,9-HxCDF	0.19	—	0.047	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	5.0	—	0.047		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.14	0.032	Jl	2,3,7,8-TCDD-37Cl4	0.20	69
1,2,3,6,7,8-HxCDD	0.63	—	0.027	J			
1,2,3,7,8,9-HxCDD	—	0.18	0.029	Jl			
Total HxCDD	1.9	—	0.032	J			
1,2,3,4,6,7,8-HpCDF	4.4	—	0.10		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.29	—	0.15	J	Equivalence: 0.44 ng/Kg		
Total HpCDF	21	—	0.15		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	14	—	0.054				
Total HpCDD	22	—	0.054				
OCDF	23	—	0.12				
OCDD	110	—	0.12				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

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NC = Not Calculated

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I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-5(4.5-6.5)		
Lab Sample ID	40300412011-R2		
Filename	U251010A_12		
Injected By	AH5		
Total Amount Extracted	17.8 g	Matrix	Solid
% Moisture	13.7	Dilution	NA
Dry Weight Extracted	15.4 g	Collected	08/19/2025 14:10
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 16:39

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	—	0.091	0.039	Jl	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	0.086	—	0.039	BJ	2,3,7,8-TCDD-13C	2.00	64
					1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	—	0.055		2,3,4,7,8-PeCDF-13C	2.00	75
Total TCDD	ND	—	0.055		1,2,3,7,8-PeCDD-13C	2.00	80
					1,2,3,4,7,8-HxCDF-13C	2.00	84
1,2,3,7,8-PeCDF	ND	—	0.028		1,2,3,6,7,8-HxCDF-13C	2.00	82
2,3,4,7,8-PeCDF	ND	—	0.019		2,3,4,6,7,8-HxCDF-13C	2.00	80
Total PeCDF	ND	—	0.028		1,2,3,7,8,9-HxCDF-13C	2.00	69
					1,2,3,4,7,8-HxCDD-13C	2.00	75
1,2,3,7,8-PeCDD	ND	—	0.026		1,2,3,6,7,8-HxCDD-13C	2.00	82
Total PeCDD	ND	—	0.026		1,2,3,4,6,7,8-HpCDF-13C	2.00	85
					1,2,3,4,7,8,9-HpCDF-13C	2.00	79
1,2,3,4,7,8-HxCDF	—	0.069	0.032	Jl	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	0.053	—	0.032	J	OCDD-13C	4.00	43
2,3,4,6,7,8-HxCDF	ND	—	0.030				
1,2,3,7,8,9-HxCDF	—	0.094	0.049	Jl	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	1.5	—	0.049	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.14	—	0.029	BJ	2,3,7,8-TCDD-37Cl4	0.20	65
1,2,3,6,7,8-HxCDD	—	0.17	0.024	Jl			
1,2,3,7,8,9-HxCDD	—	0.038	0.026	Jl			
Total HxCDD	0.54	—	0.029	BJ			
1,2,3,4,6,7,8-HpCDF	1.4	—	0.025	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.037		Equivalence: 0.13 ng/Kg		
Total HpCDF	5.9	—	0.037		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	4.1	—	0.053				
Total HpCDD	6.6	—	0.053				
OCDF	8.6	—	0.18				
OCDD	32	—	0.17	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-6(2-4)		
Lab Sample ID	40300412012-R2		
Filename	U251010A_13		
Injected By	AH5		
Total Amount Extracted	18.4 g	Matrix	Solid
% Moisture	10.7	Dilution	NA
Dry Weight Extracted	16.5 g	Collected	08/19/2025 14:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 17:25

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.21	—	0.061	BJ	2,3,7,8-TCDF-13C	2.00	70
Total TCDF	1.7	—	0.061		2,3,7,8-TCDD-13C	2.00	67
					1,2,3,7,8-PeCDF-13C	2.00	65
2,3,7,8-TCDD	ND	—	0.032		2,3,4,7,8-PeCDF-13C	2.00	68
Total TCDD	ND	—	0.032		1,2,3,7,8-PeCDD-13C	2.00	72
					1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	ND	—	0.023		1,2,3,6,7,8-HxCDF-13C	2.00	71
2,3,4,7,8-PeCDF	0.32	—	0.014	J	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	3.8	—	0.023		1,2,3,7,8,9-HxCDF-13C	2.00	68
					1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	—	0.055	0.019	JI	1,2,3,6,7,8-HxCDD-13C	2.00	75
Total PeCDD	0.46	—	0.019	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	72
					1,2,3,4,7,8,9-HpCDF-13C	2.00	75
1,2,3,4,7,8-HxCDF	0.10	—	0.016	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
1,2,3,6,7,8-HxCDF	0.083	—	0.014	J	OCDD-13C	4.00	44
2,3,4,6,7,8-HxCDF	0.12	—	0.014	J			
1,2,3,7,8,9-HxCDF	—	0.080	0.013	JI	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	2.8	—	0.016	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.16	0.030	JI	2,3,7,8-TCDD-37Cl4	0.20	66
1,2,3,6,7,8-HxCDD	—	0.17	0.028	JI			
1,2,3,7,8,9-HxCDD	0.086	—	0.029	J			
Total HxCDD	1.1	—	0.030	J			
1,2,3,4,6,7,8-HpCDF	1.2	—	0.015	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.018		Equivalence: 0.32 ng/Kg		
Total HpCDF	3.8	—	0.018		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	4.0	—	0.035				
Total HpCDD	7.8	—	0.035				
OCDF	2.6	—	0.13	J			
OCDD	45	—	0.099	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-6(5-7)		
Lab Sample ID	40300412013-R2		
Filename	U251010A_14		
Injected By	AH5		
Total Amount Extracted	17.6 g	Matrix	Solid
% Moisture	13.9	Dilution	NA
Dry Weight Extracted	15.2 g	Collected	08/19/2025 14:50
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 18:12

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	—	0.15	0.11	Jl	2,3,7,8-TCDF-13C	2.00	67
Total TCDF	0.19	—	0.11	BJ	2,3,7,8-TCDD-13C	2.00	65
					1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	—	0.14		2,3,4,7,8-PeCDF-13C	2.00	74
Total TCDD	ND	—	0.14		1,2,3,7,8-PeCDD-13C	2.00	77
					1,2,3,4,7,8-HxCDF-13C	2.00	79
1,2,3,7,8-PeCDF	ND	—	0.037		1,2,3,6,7,8-HxCDF-13C	2.00	76
2,3,4,7,8-PeCDF	ND	—	0.026		2,3,4,6,7,8-HxCDF-13C	2.00	78
Total PeCDF	0.22	—	0.037	J	1,2,3,7,8,9-HxCDF-13C	2.00	72
					1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	—	0.018		1,2,3,6,7,8-HxCDD-13C	2.00	78
Total PeCDD	ND	—	0.018		1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	82
1,2,3,4,7,8-HxCDF	ND	—	0.040		1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	ND	—	0.040		OCDD-13C	4.00	54
2,3,4,6,7,8-HxCDF	ND	—	0.040				
1,2,3,7,8,9-HxCDF	ND	—	0.056		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.66	—	0.056	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.13	0.026	Jl	2,3,7,8-TCDD-37Cl4	0.20	65
1,2,3,6,7,8-HxCDD	—	0.10	0.022	Jl			
1,2,3,7,8,9-HxCDD	—	0.076	0.023	Jl			
Total HxCDD	ND	—	0.026				
1,2,3,4,6,7,8-HpCDF	0.63	—	0.048	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.068		Equivalence: 0.079 ng/Kg		
Total HpCDF	2.1	—	0.068	J	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	2.1	—	0.056	J			
Total HpCDD	3.9	—	0.056				
OCDF	1.6	—	0.081	J			
OCDD	19	—	0.13	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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J = Estimated value

B = Less than 10x higher than method blank level

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-7(2-4)		
Lab Sample ID	40300412014-R2		
Filename	U251010A_15		
Injected By	AH5		
Total Amount Extracted	14.2 g	Matrix	Solid
% Moisture	9.5	Dilution	NA
Dry Weight Extracted	12.9 g	Collected	08/19/2025 15:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 18:58

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.18	—	0.039	BJ	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	0.33	—	0.039	BJ	2,3,7,8-TCDD-13C	2.00	70
					1,2,3,7,8-PeCDF-13C	2.00	75
2,3,7,8-TCDD	ND	—	0.054		2,3,4,7,8-PeCDF-13C	2.00	80
Total TCDD	ND	—	0.054		1,2,3,7,8-PeCDD-13C	2.00	87
					1,2,3,4,7,8-HxCDF-13C	2.00	86
1,2,3,7,8-PeCDF	ND	—	0.051		1,2,3,6,7,8-HxCDF-13C	2.00	86
2,3,4,7,8-PeCDF	ND	—	0.034		2,3,4,6,7,8-HxCDF-13C	2.00	85
Total PeCDF	ND	—	0.051		1,2,3,7,8,9-HxCDF-13C	2.00	80
					1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	—	0.025		1,2,3,6,7,8-HxCDD-13C	2.00	85
Total PeCDD	0.68	—	0.025	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	88
					1,2,3,4,7,8,9-HpCDF-13C	2.00	88
1,2,3,4,7,8-HxCDF	ND	—	0.049		1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	ND	—	0.047		OCDD-13C	4.00	48
2,3,4,6,7,8-HxCDF	ND	—	0.048				
1,2,3,7,8,9-HxCDF	0.10	—	0.069	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.27	—	0.069	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.16	0.031	JI	2,3,7,8-TCDD-37Cl4	0.20	74
1,2,3,6,7,8-HxCDD	ND	—	0.026				
1,2,3,7,8,9-HxCDD	—	0.064	0.028	JI			
Total HxCDD	0.85	—	0.031	BJ			
1,2,3,4,6,7,8-HpCDF	0.27	—	0.029	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.042		Equivalence: 0.075 ng/Kg		
Total HpCDF	0.72	—	0.042	BJ	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	1.4	—	0.036	J			
Total HpCDD	2.9	—	0.036	J			
OCDF	—	0.46	0.074	JI			
OCDD	22	—	0.14	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-7(9-11)		
Lab Sample ID	40300412015-R2		
Filename	U251010A_16		
Injected By	AH5		
Total Amount Extracted	12.5 g	Matrix	Solid
% Moisture	10.3	Dilution	NA
Dry Weight Extracted	11.2 g	Collected	08/19/2025 16:00
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251010A_02	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/10/2025 19:45

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	—	0.12	0.057	JL	2,3,7,8-TCDF-13C	2.00	94
Total TCDF	ND	—	0.057		2,3,7,8-TCDD-13C	2.00	88
					1,2,3,7,8-PeCDF-13C	2.00	93
2,3,7,8-TCDD	ND	—	0.091		2,3,4,7,8-PeCDF-13C	2.00	101
Total TCDD	ND	—	0.091		1,2,3,7,8-PeCDD-13C	2.00	109
					1,2,3,4,7,8-HxCDF-13C	2.00	105
1,2,3,7,8-PeCDF	ND	—	0.038		1,2,3,6,7,8-HxCDF-13C	2.00	104
2,3,4,7,8-PeCDF	ND	—	0.026		2,3,4,6,7,8-HxCDF-13C	2.00	102
Total PeCDF	ND	—	0.038		1,2,3,7,8,9-HxCDF-13C	2.00	92
					1,2,3,4,7,8-HxCDD-13C	2.00	96
1,2,3,7,8-PeCDD	ND	—	0.039		1,2,3,6,7,8-HxCDD-13C	2.00	104
Total PeCDD	ND	—	0.039		1,2,3,4,6,7,8-HpCDF-13C	2.00	107
					1,2,3,4,7,8,9-HpCDF-13C	2.00	103
1,2,3,4,7,8-HxCDF	ND	—	0.046		1,2,3,4,6,7,8-HpCDD-13C	2.00	108
1,2,3,6,7,8-HxCDF	ND	—	0.044		OCDD-13C	4.00	48
2,3,4,6,7,8-HxCDF	ND	—	0.045				
1,2,3,7,8,9-HxCDF	ND	—	0.067		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.067		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.18	—	0.034	BJ	2,3,7,8-TCDD-37Cl4	0.20	93
1,2,3,6,7,8-HxCDD	ND	—	0.029				
1,2,3,7,8,9-HxCDD	ND	—	0.031				
Total HxCDD	0.28	—	0.034	BJ			
1,2,3,4,6,7,8-HpCDF	—	0.18	0.055	JL	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.078		Equivalence: 0.039 ng/Kg		
Total HpCDF	0.35	—	0.078	BJ	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	0.55	0.053	JL			
Total HpCDD	0.57	—	0.053	J			
OCDF	—	0.36	0.20	JL			
OCDD	6.6	—	0.25	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-8(1.5-3.5)		
Lab Sample ID	40300412016-R2		
Filename	U251013B_03		
Injected By	SMT		
Total Amount Extracted	15.8 g	Matrix	Solid
% Moisture	13.3	Dilution	NA
Dry Weight Extracted	13.7 g	Collected	08/19/2025 16:30
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251013A_16	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/13/2025 23:21

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	—	0.056	BJ	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	1.3	—	0.056	B	2,3,7,8-TCDD-13C	2.00	63
					1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	ND	—	0.069		2,3,4,7,8-PeCDF-13C	2.00	63
Total TCDD	0.42	—	0.069	BJ	1,2,3,7,8-PeCDD-13C	2.00	68
					1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	ND	—	0.034		1,2,3,6,7,8-HxCDF-13C	2.00	79
2,3,4,7,8-PeCDF	—	0.076	0.025	JL	2,3,4,6,7,8-HxCDF-13C	2.00	77
Total PeCDF	0.48	—	0.034	J	1,2,3,7,8,9-HxCDF-13C	2.00	66
					1,2,3,4,7,8-HxCDD-13C	2.00	65
1,2,3,7,8-PeCDD	ND	—	0.034		1,2,3,6,7,8-HxCDD-13C	2.00	77
Total PeCDD	0.061	—	0.034	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	65
					1,2,3,4,7,8,9-HpCDF-13C	2.00	54
1,2,3,4,7,8-HxCDF	ND	—	0.071		1,2,3,4,6,7,8-HpCDD-13C	2.00	58
1,2,3,6,7,8-HxCDF	ND	—	0.070		OCDD-13C	4.00	31
2,3,4,6,7,8-HxCDF	0.075	—	0.070	J			
1,2,3,7,8,9-HxCDF	ND	—	0.11		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.31	—	0.11	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.19	—	0.070	BJ	2,3,7,8-TCDD-37Cl4	0.20	65
1,2,3,6,7,8-HxCDD	ND	—	0.058				
1,2,3,7,8,9-HxCDD	ND	—	0.062				
Total HxCDD	0.48	—	0.070	BJ			
1,2,3,4,6,7,8-HpCDF	—	0.30	0.062	JL	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.10		Equivalence: 0.083 ng/Kg		
Total HpCDF	ND	—	0.10		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	0.80	—	0.076	J			
Total HpCDD	0.80	—	0.076	J			
OCDF	—	0.53	0.38	JL			
OCDD	8.6	—	0.53	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-8(5-7)		
Lab Sample ID	40300412017-R2		
Filename	U251013B_04		
Injected By	SMT		
Total Amount Extracted	12.8 g	Matrix	Solid
% Moisture	3.7	Dilution	NA
Dry Weight Extracted	12.3 g	Collected	08/19/2025 16:40
ICAL ID	U250825	Received	08/22/2025 10:30
CCal Filename(s)	U251013A_16	Extracted	10/06/2025 12:00
Method Blank ID	BLANK-121443	Analyzed	10/14/2025 00:07

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.14	—	0.058	BJ	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	0.24	—	0.058	BJ	2,3,7,8-TCDD-13C	2.00	70
					1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	—	0.037		2,3,4,7,8-PeCDF-13C	2.00	73
Total TCDD	ND	—	0.037		1,2,3,7,8-PeCDD-13C	2.00	77
					1,2,3,4,7,8-HxCDF-13C	2.00	90
1,2,3,7,8-PeCDF	ND	—	0.032		1,2,3,6,7,8-HxCDF-13C	2.00	90
2,3,4,7,8-PeCDF	ND	—	0.022		2,3,4,6,7,8-HxCDF-13C	2.00	85
Total PeCDF	ND	—	0.032		1,2,3,7,8,9-HxCDF-13C	2.00	70
					1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	—	0.024		1,2,3,6,7,8-HxCDD-13C	2.00	90
Total PeCDD	ND	—	0.024		1,2,3,4,6,7,8-HpCDF-13C	2.00	73
					1,2,3,4,7,8,9-HpCDF-13C	2.00	61
1,2,3,4,7,8-HxCDF	ND	—	0.040		1,2,3,4,6,7,8-HpCDD-13C	2.00	69
1,2,3,6,7,8-HxCDF	ND	—	0.040		OCDD-13C	4.00	36
2,3,4,6,7,8-HxCDF	ND	—	0.036				
1,2,3,7,8,9-HxCDF	0.092	—	0.062	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.092	—	0.062	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.19	0.043	JI	2,3,7,8-TCDD-37Cl4	0.20	72
1,2,3,6,7,8-HxCDD	ND	—	0.037				
1,2,3,7,8,9-HxCDD	ND	—	0.039				
Total HxCDD	ND	—	0.043				
1,2,3,4,6,7,8-HpCDF	ND	—	0.081		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.13		Equivalence: 0.045 ng/Kg		
Total HpCDF	ND	—	0.13		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	0.20	—	0.13	J			
Total HpCDD	0.43	—	0.13	J			
OCDF	0.19	—	0.18	J			
OCDD	4.2	—	0.29	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-SS-SB-4(16.5-18.5)		
Lab Sample ID	40300412018		
Filename	L250902B_14		
Injected By	SMT		
Total Amount Extracted	15.4 g	Matrix	Solid
% Moisture	12.3	Dilution	NA
Dry Weight Extracted	13.5 g	Collected	08/19/2025 18:00
ICAL ID	L250710	Received	08/22/2025 10:30
CCal Filename(s)	L250902A_17	Extracted	08/27/2025 12:00
Method Blank ID	BLANK-120926	Analyzed	09/03/2025 10:26

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	21	—	0.12	C	2,3,7,8-TCDF-13C	2.00	107
Total TCDF	190	—	0.87		2,3,7,8-TCDD-13C	2.00	94
					1,2,3,7,8-PeCDF-13C	2.00	103
2,3,7,8-TCDD	—	0.57	0.10	JI	2,3,4,7,8-PeCDF-13C	2.00	119
Total TCDD	12	—	0.10		1,2,3,7,8-PeCDD-13C	2.00	117
					1,2,3,4,7,8-HxCDF-13C	2.00	105
1,2,3,7,8-PeCDF	54	—	0.28		1,2,3,6,7,8-HxCDF-13C	2.00	102
2,3,4,7,8-PeCDF	220	—	0.19		2,3,4,6,7,8-HxCDF-13C	2.00	96
Total PeCDF	1500	—	0.28		1,2,3,7,8,9-HxCDF-13C	2.00	94
					1,2,3,4,7,8-HxCDD-13C	2.00	80
1,2,3,7,8-PeCDD	2.6	—	0.045	J	1,2,3,6,7,8-HxCDD-13C	2.00	108
Total PeCDD	30	—	0.045		1,2,3,4,6,7,8-HpCDF-13C	2.00	87
					1,2,3,4,7,8,9-HpCDF-13C	2.00	89
1,2,3,4,7,8-HxCDF	1300	—	20	DN2	1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	230	—	18	DN2	OCDD-13C	4.00	74
2,3,4,6,7,8-HxCDF	360	—	20	DN2			
1,2,3,7,8,9-HxCDF	260	—	33	DN2	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	7500	—	33	DN2	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	43	—	4.5	JDN2	2,3,7,8-TCDD-37Cl4	0.20	87
1,2,3,6,7,8-HxCDD	1800	—	3.8	DN2			
1,2,3,7,8,9-HxCDD	160	—	4.1	DN2			
Total HxCDD	5000	—	4.5	DN2			
1,2,3,4,6,7,8-HpCDF	17000	—	45	DN2	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	950	—	67	DN2	Equivalence: 1400 ng/Kg		
Total HpCDF	18000	—	67	DN2	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	53000	—	6.6	EDN2			
Total HpCDD	84000	—	6.6	EDN2			
OCDF	110000	—	22	EDN2			
OCDD	470000	—	18	EDN2			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

E = Exceeds calibration range

I = Isotope ratio out of specification

D = Result obtained from analysis of diluted sample

Nn = Value obtained from additional analysis

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	DUP-1		
Lab Sample ID	40300412020		
Filename	L251014A_03		
Injected By	SMT		
Total Amount Extracted	14.2 g	Matrix	Solid
% Moisture	7.2	Dilution	NA
Dry Weight Extracted	13.2 g	Collected	08/19/2025 14:20
ICAL ID	L250710	Received	08/22/2025 10:30
CCal Filename(s)	L251014A_01	Extracted	08/27/2025 12:00
Method Blank ID	BLANK-120926	Analyzed	10/14/2025 10:41

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.15	—	0.033	BJ	2,3,7,8-TCDF-13C	2.00	85
Total TCDF	0.23	—	0.033	BJ	2,3,7,8-TCDD-13C	2.00	77
					1,2,3,7,8-PeCDF-13C	2.00	88
2,3,7,8-TCDD	ND	—	0.027		2,3,4,7,8-PeCDF-13C	2.00	88
Total TCDD	0.084	—	0.027	J	1,2,3,7,8-PeCDD-13C	2.00	98
					1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	—	0.38	0.027	PJ	1,2,3,6,7,8-HxCDF-13C	2.00	86
2,3,4,7,8-PeCDF	0.10	—	0.019	J	2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	0.34	—	0.027	J	1,2,3,7,8,9-HxCDF-13C	2.00	77
					1,2,3,4,7,8-HxCDD-13C	2.00	81
1,2,3,7,8-PeCDD	—	0.050	0.021	JI	1,2,3,6,7,8-HxCDD-13C	2.00	93
Total PeCDD	0.023	—	0.021	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	82
					1,2,3,4,7,8,9-HpCDF-13C	2.00	94
1,2,3,4,7,8-HxCDF	0.26	—	0.014	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	97
1,2,3,6,7,8-HxCDF	0.079	—	0.014	J	OCDD-13C	4.00	92
2,3,4,6,7,8-HxCDF	0.16	—	0.013	J			
1,2,3,7,8,9-HxCDF	—	0.27	0.052	PJ	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	4.4	—	0.052		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.21	—	0.044	BJ	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	0.40	—	0.042	J			
1,2,3,7,8,9-HxCDD	0.15	—	0.043	J			
Total HxCDD	1.7	—	0.044	BJ			
1,2,3,4,6,7,8-HpCDF	3.4	—	0.094	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.34	—	0.062	J	Equivalence: 0.43 ng/Kg		
Total HpCDF	17	—	0.094		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	10	—	0.064				
Total HpCDD	16	—	0.064				
OCDF	20	—	0.080				
OCDD	90	—	0.079				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.

J = Estimated value

B = Less than 10x higher than method blank level

P = PCDE Interference

I = Isotope ratio out of specification

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKNW	Matrix	Solid
Lab Sample ID	BLANK-120912	Dilution	NA
Filename	U250829A_07	Extracted	08/26/2025 12:00
Total Amount Extracted	10.3 g	Analyzed	08/29/2025 13:09
ICAL ID	U250825	Injected By	AH5
CCal Filename(s)	U250829A_02		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.59	—	0.083 J	2,3,7,8-TCDF-13C	2.00	86
Total TCDF	0.59	—	0.083 J	2,3,7,8-TCDD-13C	2.00	78
				1,2,3,7,8-PeCDF-13C	2.00	88
2,3,7,8-TCDD	ND	—	0.090	2,3,4,7,8-PeCDF-13C	2.00	91
Total TCDD	ND	—	0.090	1,2,3,7,8-PeCDD-13C	2.00	96
				1,2,3,4,7,8-HxCDF-13C	2.00	97
1,2,3,7,8-PeCDF	0.17	—	0.087 J	1,2,3,6,7,8-HxCDF-13C	2.00	94
2,3,4,7,8-PeCDF	0.16	—	0.064 J	2,3,4,6,7,8-HxCDF-13C	2.00	90
Total PeCDF	0.33	—	0.087 J	1,2,3,7,8,9-HxCDF-13C	2.00	89
				1,2,3,4,7,8-HxCDD-13C	2.00	83
1,2,3,7,8-PeCDD	0.068	—	0.043 J	1,2,3,6,7,8-HxCDD-13C	2.00	95
Total PeCDD	0.068	—	0.043 J	1,2,3,4,6,7,8-HpCDF-13C	2.00	95
				1,2,3,4,7,8,9-HpCDF-13C	2.00	101
1,2,3,4,7,8-HxCDF	—	0.13	0.12 JI	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	—	0.11	OCDD-13C	4.00	80
2,3,4,6,7,8-HxCDF	ND	—	0.12			
1,2,3,7,8,9-HxCDF	0.16	—	0.14 J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.16	—	0.14 J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	0.20	0.14 JI	2,3,7,8-TCDD-37Cl4	0.20	72
1,2,3,6,7,8-HxCDD	ND	—	0.12			
1,2,3,7,8,9-HxCDD	ND	—	0.13			
Total HxCDD	ND	—	0.14			
1,2,3,4,6,7,8-HpCDF	ND	—	0.18	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.23	Equivalence: 0.23 ng/Kg		
Total HpCDF	ND	—	0.23	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	0.41	—	0.25 J			
Total HpCDD	0.41	—	0.25 J			
OCDF	—	0.31	0.14 JI			
OCDD	4.0	—	0.69 J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

J = Estimated value

I = Isotope ratio out of specification

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKOB	Matrix	Solid
Lab Sample ID	BLANK-120926	Dilution	NA
Filename	L250902B_06	Extracted	08/27/2025 12:00
Total Amount Extracted	10.4 g	Analyzed	09/03/2025 04:15
ICAL ID	L250710	Injected By	SMT
CCal Filename(s)	L250902A_17		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.14	—	0.065 J	2,3,7,8-TCDF-13C	2.00	99
Total TCDF	0.26	—	0.065 J	2,3,7,8-TCDD-13C	2.00	88
				1,2,3,7,8-PeCDF-13C	2.00	107
2,3,7,8-TCDD	ND	—	0.086	2,3,4,7,8-PeCDF-13C	2.00	112
Total TCDD	ND	—	0.086	1,2,3,7,8-PeCDD-13C	2.00	124
				1,2,3,4,7,8-HxCDF-13C	2.00	103
1,2,3,7,8-PeCDF	ND	—	0.041	1,2,3,6,7,8-HxCDF-13C	2.00	103
2,3,4,7,8-PeCDF	ND	—	0.029	2,3,4,6,7,8-HxCDF-13C	2.00	101
Total PeCDF	ND	—	0.041	1,2,3,7,8,9-HxCDF-13C	2.00	95
				1,2,3,4,7,8-HxCDD-13C	2.00	87
1,2,3,7,8-PeCDD	ND	—	0.026	1,2,3,6,7,8-HxCDD-13C	2.00	103
Total PeCDD	ND	—	0.026	1,2,3,4,6,7,8-HpCDF-13C	2.00	89
				1,2,3,4,7,8,9-HpCDF-13C	2.00	92
1,2,3,4,7,8-HxCDF	ND	—	0.038	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	—	0.038	OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	ND	—	0.038			
1,2,3,7,8,9-HxCDF	—	0.081	0.060 JI	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.060	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.15	—	0.058 J	2,3,7,8-TCDD-37Cl4	0.20	84
1,2,3,6,7,8-HxCDD	ND	—	0.046			
1,2,3,7,8,9-HxCDD	ND	—	0.052			
Total HxCDD	0.23	—	0.058 J			
1,2,3,4,6,7,8-HpCDF	ND	—	0.064	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.093	Equivalence: 0.039 ng/Kg		
Total HpCDF	ND	—	0.093	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	0.12	0.095 JI			
Total HpCDD	0.21	—	0.095 J			
OCDF	—	0.14	0.11 JI			
OCDD	4.1	—	0.26 J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

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J = Estimated value

I = Isotope ratio out of specification

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKUI	Matrix	Solid
Lab Sample ID	BLANK-121443	Dilution	NA
Filename	L251010B_08	Extracted	10/06/2025 12:00
Total Amount Extracted	10.2 g	Analyzed	10/10/2025 12:58
ICAL ID	L250710	Injected By	AH5
CCal Filename(s)	L251010B_02		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.15	—	0.061 J		2,3,7,8-TCDF-13C	2.00	71
Total TCDF	0.15	—	0.061 J		2,3,7,8-TCDD-13C	2.00	64
					1,2,3,7,8-PeCDF-13C	2.00	73
2,3,7,8-TCDD	ND	—	0.083		2,3,4,7,8-PeCDF-13C	2.00	78
Total TCDD	0.11	—	0.083 J		1,2,3,7,8-PeCDD-13C	2.00	84
					1,2,3,4,7,8-HxCDF-13C	2.00	88
1,2,3,7,8-PeCDF	ND	—	0.047		1,2,3,6,7,8-HxCDF-13C	2.00	85
2,3,4,7,8-PeCDF	ND	—	0.031		2,3,4,6,7,8-HxCDF-13C	2.00	80
Total PeCDF	ND	—	0.047		1,2,3,7,8,9-HxCDF-13C	2.00	69
					1,2,3,4,7,8-HxCDD-13C	2.00	80
1,2,3,7,8-PeCDD	ND	—	0.038		1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	—	0.038		1,2,3,4,6,7,8-HpCDF-13C	2.00	87
					1,2,3,4,7,8,9-HpCDF-13C	2.00	92
1,2,3,4,7,8-HxCDF	ND	—	0.034		1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	ND	—	0.035		OCDD-13C	4.00	85
2,3,4,6,7,8-HxCDF	ND	—	0.036				
1,2,3,7,8,9-HxCDF	—	0.076	0.059 JI		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.059		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.11	—	0.035 J		2,3,7,8-TCDD-37Cl4	0.20	62
1,2,3,6,7,8-HxCDD	ND	—	0.030				
1,2,3,7,8,9-HxCDD	ND	—	0.032				
Total HxCDD	0.11	—	0.035 J				
1,2,3,4,6,7,8-HpCDF	ND	—	0.029		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.041		Equivalence: 0.037 ng/Kg		
Total HpCDF	0.076	—	0.041 J		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	0.15	0.058 JI				
Total HpCDD	ND	—	0.058				
OCDF	—	0.20	0.12 JI				
OCDD	6.0	—	0.16 J				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.

J = Estimated value

I = Isotope ratio out of specification

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-120913	Matrix	Solid
Filename	U250829A_03	Dilution	NA
Total Amount Extracted	10.5 g	Extracted	08/26/2025 12:00
ICAL ID	U250825	Analyzed	08/29/2025 10:00
CCal Filename	U250829A_02	Injected By	AH5
Method Blank ID	BLANK-120912		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.4	7.5	15.8	94
2,3,7,8-TCDD	10	9.9	6.7	15.8	99
1,2,3,7,8-PeCDF	50	48	40.0	67.0	97
2,3,4,7,8-PeCDF	50	45	34.0	80.0	90
1,2,3,7,8-PeCDD	50	44	35.0	71.0	88
1,2,3,4,7,8-HxCDF	50	43	36.0	67.0	86
1,2,3,6,7,8-HxCDF	50	46	42.0	65.0	91
2,3,4,6,7,8-HxCDF	50	46	35.0	78.0	93
1,2,3,7,8,9-HxCDF	50	45	39.0	65.0	89
1,2,3,4,7,8-HxCDD	50	50	35.0	82.0	100
1,2,3,6,7,8-HxCDD	50	44	38.0	67.0	88
1,2,3,7,8,9-HxCDD	50	46	32.0	81.0	92
1,2,3,4,6,7,8-HpCDF	50	46	41.0	61.0	92
1,2,3,4,7,8,9-HpCDF	50	42	39.0	69.0	84
1,2,3,4,6,7,8-HpCDD	50	45	35.0	70.0	90
OCDF	100	97	63.0	170.0	97
OCDD	100	110	78.0	144.0	108
2,3,7,8-TCDD-37Cl4	10	5.6	3.1	19.1	56
2,3,7,8-TCDF-13C	100	60	22.0	152.0	60
2,3,7,8-TCDD-13C	100	55	20.0	175.0	55
1,2,3,7,8-PeCDF-13C	100	61	21.0	192.0	61
2,3,4,7,8-PeCDF-13C	100	62	13.0	328.0	62
1,2,3,7,8-PeCDD-13C	100	66	21.0	227.0	66
1,2,3,4,7,8-HxCDF-13C	100	67	19.0	202.0	67
1,2,3,6,7,8-HxCDF-13C	100	64	21.0	159.0	64
2,3,4,6,7,8-HxCDF-13C	100	64	22.0	176.0	64
1,2,3,7,8,9-HxCDF-13C	100	61	17.0	205.0	61
1,2,3,4,7,8-HxCDD-13C	100	59	21.0	193.0	59
1,2,3,6,7,8-HxCDD-13C	100	67	25.0	163.0	67
1,2,3,4,6,7,8-HpCDF-13C	100	66	21.0	158.0	66
1,2,3,4,7,8,9-HpCDF-13C	100	68	20.0	186.0	68
1,2,3,4,6,7,8-HpCDD-13C	100	67	26.0	166.0	67
OCDD-13C	200	110	26.0	397.0	56

Cs = Concentration Spiked (ng/mL)
 Cr = Concentration Recovered (ng/mL)
 Rec. = Recovery (Expressed as Percent)
 Control Limit Reference: Method 1613, Table 6, 10/94 Revision
 R = Recovery outside of control limits
 Nn = Value obtained from additional analysis
 * = See Discussion

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-120927	Matrix	Solid
Filename	L250902B_01	Dilution	NA
Total Amount Extracted	10.5 g	Extracted	08/27/2025 12:00
ICAL ID	L250710	Analyzed	09/03/2025 00:23
CCal Filename	L250902A_17	Injected By	SMT
Method Blank ID	BLANK-120926		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.2	7.5	15.8	92
2,3,7,8-TCDD	10	10	6.7	15.8	102
1,2,3,7,8-PeCDF	50	49	40.0	67.0	97
2,3,4,7,8-PeCDF	50	45	34.0	80.0	90
1,2,3,7,8-PeCDD	50	43	35.0	71.0	87
1,2,3,4,7,8-HxCDF	50	44	36.0	67.0	88
1,2,3,6,7,8-HxCDF	50	45	42.0	65.0	91
2,3,4,6,7,8-HxCDF	50	47	35.0	78.0	93
1,2,3,7,8,9-HxCDF	50	46	39.0	65.0	91
1,2,3,4,7,8-HxCDD	50	53	35.0	82.0	105
1,2,3,6,7,8-HxCDD	50	44	38.0	67.0	88
1,2,3,7,8,9-HxCDD	50	42	32.0	81.0	85
1,2,3,4,6,7,8-HpCDF	50	45	41.0	61.0	90
1,2,3,4,7,8,9-HpCDF	50	42	39.0	69.0	84
1,2,3,4,6,7,8-HpCDD	50	44	35.0	70.0	89
OCDF	100	100	63.0	170.0	105
OCDD	100	110	78.0	144.0	113
2,3,7,8-TCDD-37Cl4	10	8.2	3.1	19.1	82
2,3,7,8-TCDF-13C	100	97	22.0	152.0	97
2,3,7,8-TCDD-13C	100	87	20.0	175.0	87
1,2,3,7,8-PeCDF-13C	100	99	21.0	192.0	99
2,3,4,7,8-PeCDF-13C	100	100	13.0	328.0	105
1,2,3,7,8-PeCDD-13C	100	110	21.0	227.0	111
1,2,3,4,7,8-HxCDF-13C	100	100	19.0	202.0	101
1,2,3,6,7,8-HxCDF-13C	100	110	21.0	159.0	106
2,3,4,6,7,8-HxCDF-13C	100	96	22.0	176.0	96
1,2,3,7,8,9-HxCDF-13C	100	91	17.0	205.0	91
1,2,3,4,7,8-HxCDD-13C	100	83	21.0	193.0	83
1,2,3,6,7,8-HxCDD-13C	100	100	25.0	163.0	104
1,2,3,4,6,7,8-HpCDF-13C	100	87	21.0	158.0	87
1,2,3,4,7,8,9-HpCDF-13C	100	87	20.0	186.0	87
1,2,3,4,6,7,8-HpCDD-13C	100	92	26.0	166.0	92
OCDD-13C	200	140	26.0	397.0	68

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-121444	Matrix	Solid
Filename	L251010B_14	Dilution	NA
Total Amount Extracted	10.1 g	Extracted	10/06/2025 12:00
ICAL ID	L250710	Analyzed	10/10/2025 17:37
CCal Filename	L251010B_02	Injected By	AH5
Method Blank ID	BLANK-121443		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.5	7.5	15.8	95
2,3,7,8-TCDD	10	11	6.7	15.8	105
1,2,3,7,8-PeCDF	50	51	40.0	67.0	102
2,3,4,7,8-PeCDF	50	48	34.0	80.0	96
1,2,3,7,8-PeCDD	50	46	35.0	71.0	92
1,2,3,4,7,8-HxCDF	50	47	36.0	67.0	94
1,2,3,6,7,8-HxCDF	50	49	42.0	65.0	99
2,3,4,6,7,8-HxCDF	50	50	35.0	78.0	99
1,2,3,7,8,9-HxCDF	50	48	39.0	65.0	96
1,2,3,4,7,8-HxCDD	50	53	35.0	82.0	107
1,2,3,6,7,8-HxCDD	50	47	38.0	67.0	94
1,2,3,7,8,9-HxCDD	50	38	32.0	81.0	75
1,2,3,4,6,7,8-HpCDF	50	49	41.0	61.0	99
1,2,3,4,7,8,9-HpCDF	50	46	39.0	69.0	91
1,2,3,4,6,7,8-HpCDD	50	49	35.0	70.0	97
OCDF	100	110	63.0	170.0	105
OCDD	100	110	78.0	144.0	115
2,3,7,8-TCDD-37Cl4	10	5.1	3.1	19.1	51
2,3,7,8-TCDF-13C	100	57	22.0	152.0	57
2,3,7,8-TCDD-13C	100	51	20.0	175.0	51
1,2,3,7,8-PeCDF-13C	100	55	21.0	192.0	55
2,3,4,7,8-PeCDF-13C	100	58	13.0	328.0	58
1,2,3,7,8-PeCDD-13C	100	60	21.0	227.0	60
1,2,3,4,7,8-HxCDF-13C	100	95	19.0	202.0	95
1,2,3,6,7,8-HxCDF-13C	100	91	21.0	159.0	91
2,3,4,6,7,8-HxCDF-13C	100	80	22.0	176.0	80
1,2,3,7,8,9-HxCDF-13C	100	57	17.0	205.0	57
1,2,3,4,7,8-HxCDD-13C	100	84	21.0	193.0	84
1,2,3,6,7,8-HxCDD-13C	100	91	25.0	163.0	91
1,2,3,4,6,7,8-HpCDF-13C	100	82	21.0	158.0	82
1,2,3,4,7,8,9-HpCDF-13C	100	81	20.0	186.0	81
1,2,3,4,6,7,8-HpCDD-13C	100	83	26.0	166.0	83
OCDD-13C	200	150	26.0	397.0	75

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-120914	Matrix	Solid
Filename	U250829A_04	Dilution	NA
Total Amount Extracted	10.7 g	Extracted	08/26/2025 12:00
ICAL ID	U250825	Analyzed	08/29/2025 10:46
CCal Filename	U250829A_02	Injected By	AH5
Method Blank ID	BLANK-120912		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	11	7.5	15.8	107
2,3,7,8-TCDD	10	11	6.7	15.8	113
1,2,3,7,8-PeCDF	50	54	40.0	67.0	108
2,3,4,7,8-PeCDF	50	49	34.0	80.0	98
1,2,3,7,8-PeCDD	50	46	35.0	71.0	92
1,2,3,4,7,8-HxCDF	50	47	36.0	67.0	94
1,2,3,6,7,8-HxCDF	50	50	42.0	65.0	101
2,3,4,6,7,8-HxCDF	50	49	35.0	78.0	98
1,2,3,7,8,9-HxCDF	50	50	39.0	65.0	101
1,2,3,4,7,8-HxCDD	50	55	35.0	82.0	111
1,2,3,6,7,8-HxCDD	50	49	38.0	67.0	99
1,2,3,7,8,9-HxCDD	50	50	32.0	81.0	99
1,2,3,4,6,7,8-HpCDF	50	48	41.0	61.0	96
1,2,3,4,7,8,9-HpCDF	50	45	39.0	69.0	90
1,2,3,4,6,7,8-HpCDD	50	50	35.0	70.0	99
OCDF	100	110	63.0	170.0	106
OCDD	100	110	78.0	144.0	115
2,3,7,8-TCDD-37Cl4	10	6.3	3.1	19.1	63
2,3,7,8-TCDF-13C	100	68	22.0	152.0	68
2,3,7,8-TCDD-13C	100	60	20.0	175.0	60
1,2,3,7,8-PeCDF-13C	100	67	21.0	192.0	67
2,3,4,7,8-PeCDF-13C	100	67	13.0	328.0	67
1,2,3,7,8-PeCDD-13C	100	73	21.0	227.0	73
1,2,3,4,7,8-HxCDF-13C	100	76	19.0	202.0	76
1,2,3,6,7,8-HxCDF-13C	100	72	21.0	159.0	72
2,3,4,6,7,8-HxCDF-13C	100	71	22.0	176.0	71
1,2,3,7,8,9-HxCDF-13C	100	69	17.0	205.0	69
1,2,3,4,7,8-HxCDD-13C	100	67	21.0	193.0	67
1,2,3,6,7,8-HxCDD-13C	100	73	25.0	163.0	73
1,2,3,4,6,7,8-HpCDF-13C	100	75	21.0	158.0	75
1,2,3,4,7,8,9-HpCDF-13C	100	76	20.0	186.0	76
1,2,3,4,6,7,8-HpCDD-13C	100	74	26.0	166.0	74
OCDD-13C	200	120	26.0	397.0	62

Cs = Concentration Spiked (ng/mL)
 Cr = Concentration Recovered (ng/mL)
 Rec. = Recovery (Expressed as Percent)
 Control Limit Reference: Method 1613, Table 6, 10/94 Revision
 R = Recovery outside of control limits
 Nn = Value obtained from additional analysis
 * = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-120928	Matrix	Solid
Filename	L250902B_02	Dilution	NA
Total Amount Extracted	10.6 g	Extracted	08/27/2025 12:00
ICAL ID	L250710	Analyzed	09/03/2025 01:09
CCal Filename	L250902A_17	Injected By	SMT
Method Blank ID	BLANK-120926		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	10	7.5	15.8	101
2,3,7,8-TCDD	10	11	6.7	15.8	109
1,2,3,7,8-PeCDF	50	52	40.0	67.0	103
2,3,4,7,8-PeCDF	50	48	34.0	80.0	96
1,2,3,7,8-PeCDD	50	46	35.0	71.0	92
1,2,3,4,7,8-HxCDF	50	47	36.0	67.0	94
1,2,3,6,7,8-HxCDF	50	49	42.0	65.0	99
2,3,4,6,7,8-HxCDF	50	51	35.0	78.0	102
1,2,3,7,8,9-HxCDF	50	49	39.0	65.0	97
1,2,3,4,7,8-HxCDD	50	56	35.0	82.0	112
1,2,3,6,7,8-HxCDD	50	49	38.0	67.0	97
1,2,3,7,8,9-HxCDD	50	47	32.0	81.0	94
1,2,3,4,6,7,8-HpCDF	50	50	41.0	61.0	99
1,2,3,4,7,8,9-HpCDF	50	42	39.0	69.0	84
1,2,3,4,6,7,8-HpCDD	50	46	35.0	70.0	92
OCDF	100	100	63.0	170.0	104
OCDD	100	110	78.0	144.0	110
2,3,7,8-TCDD-37Cl4	10	7.5	3.1	19.1	75
2,3,7,8-TCDF-13C	100	92	22.0	152.0	92
2,3,7,8-TCDD-13C	100	79	20.0	175.0	79
1,2,3,7,8-PeCDF-13C	100	94	21.0	192.0	94
2,3,4,7,8-PeCDF-13C	100	98	13.0	328.0	98
1,2,3,7,8-PeCDD-13C	100	100	21.0	227.0	101
1,2,3,4,7,8-HxCDF-13C	100	110	19.0	202.0	106
1,2,3,6,7,8-HxCDF-13C	100	100	21.0	159.0	104
2,3,4,6,7,8-HxCDF-13C	100	98	22.0	176.0	98
1,2,3,7,8,9-HxCDF-13C	100	88	17.0	205.0	88
1,2,3,4,7,8-HxCDD-13C	100	79	21.0	193.0	79
1,2,3,6,7,8-HxCDD-13C	100	110	25.0	163.0	106
1,2,3,4,6,7,8-HpCDF-13C	100	81	21.0	158.0	81
1,2,3,4,7,8,9-HpCDF-13C	100	77	20.0	186.0	77
1,2,3,4,6,7,8-HpCDD-13C	100	87	26.0	166.0	87
OCDD-13C	200	130	26.0	397.0	67

Cs = Concentration Spiked (ng/mL)
 Cr = Concentration Recovered (ng/mL)
 Rec. = Recovery (Expressed as Percent)
 Control Limit Reference: Method 1613, Table 6, 10/94 Revision
 R = Recovery outside of control limits
 Nn = Value obtained from additional analysis
 * = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 1613B

Spike Recovery Relative Percent Difference (RPD) Results

Client PACE Wisconsin

Spike 1 ID LCS-120913
Spike 1 Filename U250829A_03

Spike 2 ID LCSD-120914
Spike 2 Filename U250829A_04

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDF	94	107	12.9
2,3,7,8-TCDD	99	113	13.2
1,2,3,7,8-PeCDF	97	108	10.7
2,3,4,7,8-PeCDF	90	98	8.5
1,2,3,7,8-PeCDD	88	92	4.4
1,2,3,4,7,8-HxCDF	86	94	8.9
1,2,3,6,7,8-HxCDF	91	101	10.4
2,3,4,6,7,8-HxCDF	93	98	5.2
1,2,3,7,8,9-HxCDF	89	101	12.6
1,2,3,4,7,8-HxCDD	100	111	10.4
1,2,3,6,7,8-HxCDD	88	99	11.8
1,2,3,7,8,9-HxCDD	92	99	7.3
1,2,3,4,6,7,8-HpCDF	92	96	4.3
1,2,3,4,7,8,9-HpCDF	84	90	6.9
1,2,3,4,6,7,8-HpCDD	90	99	9.5
OCDF	97	106	8.9
OCDD	108	115	6.3

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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Method 1613B

Spike Recovery Relative Percent Difference (RPD) Results

Client PACE Wisconsin

Spike 1 ID LCS-120927
Spike 1 Filename L250902B_01

Spike 2 ID LCSD-120928
Spike 2 Filename L250902B_02

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDF	92	101	9.3
2,3,7,8-TCDD	102	109	6.6
1,2,3,7,8-PeCDF	97	103	6.0
2,3,4,7,8-PeCDF	90	96	6.5
1,2,3,7,8-PeCDD	87	92	5.6
1,2,3,4,7,8-HxCDF	88	94	6.6
1,2,3,6,7,8-HxCDF	91	99	8.4
2,3,4,6,7,8-HxCDF	93	102	9.2
1,2,3,7,8,9-HxCDF	91	97	6.4
1,2,3,4,7,8-HxCDD	105	112	6.5
1,2,3,6,7,8-HxCDD	88	97	9.7
1,2,3,7,8,9-HxCDD	85	94	10.1
1,2,3,4,6,7,8-HpCDF	90	99	9.5
1,2,3,4,7,8,9-HpCDF	84	84	0.0
1,2,3,4,6,7,8-HpCDD	89	92	3.3
OCDF	105	104	1.0
OCDD	113	110	2.7

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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November 10, 2025

Andrew Mott
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1940108334 WAUSAU THOMAS ST
Pace Project No.: 40300884

Dear Andrew Mott:

Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2025. 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,

A handwritten signature in black ink, appearing to read "Brian Basten".

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Me'le'sa Greene, Ramboll US Consulting
Mitchell Levenhagen, Ramboll US Consulting, Inc.
Abby Reichling, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida DOH Certification # E87948

Illinois EPA Certification # 200050

ISO/IEC 17025 (A2LA) Certification # 6154.01

Kentucky UST DEP Certification # 123059

Louisiana DEQ Certification # 04168

Minnesota DOH Certification # 055-999-334

New York DOH Certification # 12064

North Dakota DEQ Certification # R-150

ISO/IEC 17025 (A2LA) Certification # 6154.01

South Carolina DES Certification # 83006001

Texas TCEQ Certification # T104704529

USDA APHIS Foreign Soil Permit # 525-24-3-36355

U.S. Fish & Wildlife Service Permit # 51774A

Virginia VELAP Certification # 460263

Wisconsin DATCP Certification # 444

Wisconsin DNR Certification # 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40300884001	TS-GW-TW-1	Water	08/28/25 08:22	08/29/25 09:15
40300884002	TS-GW-TW-3	Water	08/28/25 09:18	08/29/25 09:15
40300884003	TS-GW-TW-4	Water	08/28/25 10:06	08/29/25 09:15
40300884004	DUP-1	Water	08/28/25 10:11	08/29/25 09:15
40300884005	TS-GW-TW-5	Water	08/28/25 10:53	08/29/25 09:15
40300884006	TS-GW-TW-6	Water	08/28/25 11:41	08/29/25 09:15
40300884007	TS-GW-TW-7	Water	08/28/25 12:33	08/29/25 09:15
40300884008	TS-GW-TW-8	Water	08/28/25 13:23	08/29/25 09:15
40300884009	TB-1	Water	08/28/25 00:00	08/29/25 09:15

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SAMPLE ANALYTE COUNT

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40300884001	TS-GW-TW-1	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	64	PASI-G
40300884002	TS-GW-TW-3	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	64	PASI-G
40300884003	TS-GW-TW-4	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	64	PASI-G
40300884004	DUP-1	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	64	PASI-G
40300884005	TS-GW-TW-5	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	64	PASI-G
40300884006	TS-GW-TW-6	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	64	PASI-G
40300884007	TS-GW-TW-7	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	64	PASI-G
40300884008	TS-GW-TW-8	EPA 6010D	SIS	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	64	PASI-G
40300884009	TB-1	EPA 8260	NB	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300884001	TS-GW-TW-1					
EPA 6010D	Barium, Dissolved	74.6	ug/L	5.0	09/04/25 21:40	
EPA 8270E by SIM	1-Methylnaphthalene	7.5	ug/L	0.40	09/06/25 01:49	
EPA 8270E by SIM	2-Methylnaphthalene	9.9	ug/L	0.40	09/06/25 01:49	
EPA 8270E by SIM	Naphthalene	61.4	ug/L	0.40	09/06/25 01:49	
EPA 8260	1,2,4-Trimethylbenzene	1410	ug/L	10.0	09/02/25 18:45	
EPA 8260	1,3,5-Trimethylbenzene	463	ug/L	10.0	09/02/25 18:45	
EPA 8260	Ethylbenzene	23.9	ug/L	10.0	09/02/25 18:45	
EPA 8260	Isopropylbenzene (Cumene)	48.6J	ug/L	50.0	09/02/25 18:45	
EPA 8260	Naphthalene	120	ug/L	50.0	09/02/25 18:45	
EPA 8260	m&p-Xylene	53.6	ug/L	20.0	09/02/25 18:45	
EPA 8260	n-Propylbenzene	95.1	ug/L	10.0	09/02/25 18:45	
EPA 8260	o-Xylene	232	ug/L	10.0	09/02/25 18:45	
EPA 8260	p-Isopropyltoluene	56.7	ug/L	50.0	09/02/25 18:45	
EPA 8260	sec-Butylbenzene	39.3	ug/L	10.0	09/02/25 18:45	
EPA 8260	tert-Butylbenzene	14.2	ug/L	10.0	09/02/25 18:45	
40300884002	TS-GW-TW-3					
EPA 6010D	Barium, Dissolved	106	ug/L	10.0	09/05/25 13:50	
EPA 7470	Mercury, Dissolved	0.14J	ug/L	0.20	09/12/25 11:58	
EPA 8270E by SIM	Acenaphthene	0.031J	ug/L	0.049	09/11/25 14:53	
EPA 8270E by SIM	Acenaphthylene	0.015J	ug/L	0.049	09/11/25 14:53	
EPA 8270E by SIM	Fluorene	0.098	ug/L	0.049	09/11/25 14:53	
EPA 8270E by SIM	1-Methylnaphthalene	2.1	ug/L	0.049	09/11/25 14:53	
EPA 8270E by SIM	2-Methylnaphthalene	1.9	ug/L	0.049	09/11/25 14:53	
EPA 8270E by SIM	Naphthalene	14.9	ug/L	0.049	09/11/25 14:53	
EPA 8270E by SIM	Phenanthrene	0.041J	ug/L	0.049	09/11/25 14:53	
EPA 8260	1,2,4-Trimethylbenzene	727	ug/L	10.0	09/03/25 09:58	
EPA 8260	1,3,5-Trimethylbenzene	163	ug/L	1.0	09/02/25 16:53	
EPA 8260	Benzene	0.63J	ug/L	1.0	09/02/25 16:53	
EPA 8260	Ethylbenzene	34.4	ug/L	1.0	09/02/25 16:53	
EPA 8260	Isopropylbenzene (Cumene)	74.8	ug/L	5.0	09/02/25 16:53	
EPA 8260	Naphthalene	19.8	ug/L	5.0	09/02/25 16:53	
EPA 8260	Tetrachloroethene	2.1	ug/L	1.0	09/02/25 16:53	
EPA 8260	Toluene	3.0	ug/L	1.0	09/02/25 16:53	
EPA 8260	Trichloroethene	8.0	ug/L	1.0	09/02/25 16:53	
EPA 8260	cis-1,2-Dichloroethene	1.4	ug/L	1.0	09/02/25 16:53	
EPA 8260	m&p-Xylene	67.2	ug/L	2.0	09/02/25 16:53	
EPA 8260	n-Propylbenzene	78.3	ug/L	1.0	09/02/25 16:53	
EPA 8260	o-Xylene	313	ug/L	10.0	09/03/25 09:58	
EPA 8260	p-Isopropyltoluene	9.1	ug/L	5.0	09/02/25 16:53	
EPA 8260	sec-Butylbenzene	33.2	ug/L	1.0	09/02/25 16:53	
EPA 8260	tert-Butylbenzene	11.8	ug/L	1.0	09/02/25 16:53	
40300884003	TS-GW-TW-4					
EPA 6010D	Arsenic, Dissolved	5.4J	ug/L	25.0	09/04/25 21:46	
EPA 6010D	Barium, Dissolved	15.3	ug/L	5.0	09/04/25 21:46	
EPA 8270E by SIM	1-Methylnaphthalene	6.3	ug/L	0.15	09/08/25 15:02	
EPA 8270E by SIM	2-Methylnaphthalene	7.9	ug/L	0.15	09/08/25 15:02	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1940108334 WAUSAU THOMAS ST
Pace Project No.: 40300884

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300884003	TS-GW-TW-4					
EPA 8270E by SIM	Naphthalene	26.5	ug/L	0.15	09/08/25 15:02	
EPA 8260	1,2,4-Trimethylbenzene	754	ug/L	10.0	09/03/25 10:17	
EPA 8260	1,3,5-Trimethylbenzene	236	ug/L	10.0	09/03/25 10:17	
EPA 8260	Chloromethane	1.6J	ug/L	5.0	09/02/25 17:12	v1
EPA 8260	Ethylbenzene	2.4	ug/L	1.0	09/02/25 17:12	
EPA 8260	Isopropylbenzene (Cumene)	30.0	ug/L	5.0	09/02/25 17:12	
EPA 8260	Naphthalene	44.7	ug/L	5.0	09/02/25 17:12	
EPA 8260	Tetrachloroethene	1.6	ug/L	1.0	09/02/25 17:12	
EPA 8260	m&p-Xylene	6.4	ug/L	2.0	09/02/25 17:12	
EPA 8260	n-Propylbenzene	49.9	ug/L	1.0	09/02/25 17:12	
EPA 8260	o-Xylene	16.7	ug/L	1.0	09/02/25 17:12	
EPA 8260	p-Isopropyltoluene	33.9	ug/L	5.0	09/02/25 17:12	
EPA 8260	sec-Butylbenzene	21.9	ug/L	1.0	09/02/25 17:12	
EPA 8260	tert-Butylbenzene	11.1	ug/L	1.0	09/02/25 17:12	
40300884004	DUP-1					
EPA 6010D	Arsenic, Dissolved	6.3J	ug/L	25.0	09/04/25 21:48	
EPA 6010D	Barium, Dissolved	14.9	ug/L	5.0	09/04/25 21:48	
EPA 8270E by SIM	1-Methylnaphthalene	5.9	ug/L	0.15	09/06/25 01:12	
EPA 8270E by SIM	2-Methylnaphthalene	7.2	ug/L	0.15	09/06/25 01:12	
EPA 8270E by SIM	Naphthalene	24.2	ug/L	0.15	09/06/25 01:12	
EPA 8270E by SIM	Phenanthrene	0.083J	ug/L	0.15	09/06/25 01:12	
EPA 8260	1,2,4-Trimethylbenzene	784	ug/L	10.0	09/03/25 10:36	
EPA 8260	1,3,5-Trimethylbenzene	258	ug/L	10.0	09/03/25 10:36	
EPA 8260	Chloromethane	2.8J	ug/L	5.0	09/02/25 17:30	v1
EPA 8260	Ethylbenzene	2.3	ug/L	1.0	09/02/25 17:30	
EPA 8260	Isopropylbenzene (Cumene)	30.0	ug/L	5.0	09/02/25 17:30	
EPA 8260	Naphthalene	45.1	ug/L	5.0	09/02/25 17:30	
EPA 8260	Tetrachloroethene	1.4	ug/L	1.0	09/02/25 17:30	
EPA 8260	m&p-Xylene	6.0	ug/L	2.0	09/02/25 17:30	
EPA 8260	n-Butylbenzene	31.7	ug/L	1.0	09/02/25 17:30	
EPA 8260	n-Propylbenzene	51.9	ug/L	1.0	09/02/25 17:30	
EPA 8260	o-Xylene	16.1	ug/L	1.0	09/02/25 17:30	
EPA 8260	p-Isopropyltoluene	35.1	ug/L	5.0	09/02/25 17:30	
EPA 8260	sec-Butylbenzene	22.2	ug/L	1.0	09/02/25 17:30	
EPA 8260	tert-Butylbenzene	11.3	ug/L	1.0	09/02/25 17:30	
40300884005	TS-GW-TW-5					
EPA 6010D	Arsenic, Dissolved	5.7J	ug/L	25.0	09/04/25 21:54	
EPA 6010D	Barium, Dissolved	26.5	ug/L	5.0	09/04/25 21:54	
40300884006	TS-GW-TW-6					
EPA 6010D	Barium, Dissolved	55.6	ug/L	5.0	09/04/25 21:34	
40300884007	TS-GW-TW-7					
EPA 6010D	Barium, Dissolved	91.3	ug/L	5.0	09/04/25 21:56	
EPA 7470	Mercury, Dissolved	0.12J	ug/L	0.20	09/12/25 12:23	
EPA 8260	Chloromethane	1.7J	ug/L	5.0	09/03/25 09:02	v1

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SUMMARY OF DETECTION

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40300884008	TS-GW-TW-8					
EPA 6010D	Barium, Dissolved	50.3	ug/L	5.0	09/04/25 21:58	
EPA 7470	Mercury, Dissolved	0.10J	ug/L	0.20	09/12/25 12:26	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-1 Lab ID: 40300884001 Collected: 08/28/25 08:22 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	<5.1	ug/L	25.0	5.1	1		09/04/25 21:40	7440-38-2	
Barium, Dissolved	74.6	ug/L	5.0	1.5	1		09/04/25 21:40	7440-39-3	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/04/25 21:40	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1		09/04/25 21:40	7440-47-3	
Lead, Dissolved	<6.4	ug/L	20.0	6.4	1		09/04/25 21:40	7439-92-1	
Selenium, Dissolved	<12.3	ug/L	40.0	12.3	1		09/04/25 21:40	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1		09/04/25 21:40	7440-22-4	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.099	ug/L	0.20	0.099	1	09/11/25 13:17	09/12/25 11:50	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.11	ug/L	0.40	0.11	8	09/04/25 08:19	09/06/25 01:49	83-32-9	
Acenaphthylene	<0.10	ug/L	0.40	0.10	8	09/04/25 08:19	09/06/25 01:49	208-96-8	
Anthracene	<0.15	ug/L	0.40	0.15	8	09/04/25 08:19	09/06/25 01:49	120-12-7	
Benzo(a)anthracene	<0.11	ug/L	0.40	0.11	8	09/04/25 08:19	09/06/25 01:49	56-55-3	
Benzo(a)pyrene	<0.10	ug/L	0.40	0.10	8	09/04/25 08:19	09/06/25 01:49	50-32-8	
Benzo(b)fluoranthene	<0.072	ug/L	0.40	0.072	8	09/04/25 08:19	09/06/25 01:49	205-99-2	
Benzo(g,h,i)perylene	<0.18	ug/L	0.40	0.18	8	09/04/25 08:19	09/06/25 01:49	191-24-2	
Benzo(k)fluoranthene	<0.18	ug/L	0.40	0.18	8	09/04/25 08:19	09/06/25 01:49	207-08-9	
Chrysene	<0.10	ug/L	0.40	0.10	8	09/04/25 08:19	09/06/25 01:49	218-01-9	
Dibenz(a,h)anthracene	<0.14	ug/L	0.40	0.14	8	09/04/25 08:19	09/06/25 01:49	53-70-3	
Fluoranthene	<0.21	ug/L	0.40	0.21	8	09/04/25 08:19	09/06/25 01:49	206-44-0	
Fluorene	<0.19	ug/L	0.40	0.19	8	09/04/25 08:19	09/06/25 01:49	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.12	ug/L	0.40	0.12	8	09/04/25 08:19	09/06/25 01:49	193-39-5	
1-Methylnaphthalene	7.5	ug/L	0.40	0.14	8	09/04/25 08:19	09/06/25 01:49	90-12-0	
2-Methylnaphthalene	9.9	ug/L	0.40	0.11	8	09/04/25 08:19	09/06/25 01:49	91-57-6	
Naphthalene	61.4	ug/L	0.40	0.16	8	09/04/25 08:19	09/06/25 01:49	91-20-3	
Phenanthrene	<0.20	ug/L	0.40	0.20	8	09/04/25 08:19	09/06/25 01:49	85-01-8	
Pyrene	<0.18	ug/L	0.40	0.18	8	09/04/25 08:19	09/06/25 01:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	33-123		8	09/04/25 08:19	09/06/25 01:49	321-60-8	
Terphenyl-d14 (S)	49	%	36-134		8	09/04/25 08:19	09/06/25 01:49	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		09/02/25 18:45	630-20-6	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		09/02/25 18:45	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		09/02/25 18:45	79-34-5	
1,1,2-Trichloroethane	<3.4	ug/L	10.0	3.4	10		09/02/25 18:45	79-00-5	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		09/02/25 18:45	75-34-3	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		09/02/25 18:45	75-35-4	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		09/02/25 18:45	563-58-6	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-1 Lab ID: 40300884001 Collected: 08/28/25 08:22 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		09/02/25 18:45	87-61-6	
1,2,3-Trichloropropane	<5.6	ug/L	10.0	5.6	10		09/02/25 18:45	96-18-4	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		09/02/25 18:45	120-82-1	
1,2,4-Trimethylbenzene	1410	ug/L	10.0	4.5	10		09/02/25 18:45	95-63-6	
1,2-Dibromo-3-chloropropane	<3.6	ug/L	50.0	3.6	10		09/02/25 18:45	96-12-8	
1,2-Dibromoethane (EDB)	<3.1	ug/L	10.0	3.1	10		09/02/25 18:45	106-93-4	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		09/02/25 18:45	95-50-1	
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		09/02/25 18:45	107-06-2	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		09/02/25 18:45	78-87-5	
1,3,5-Trimethylbenzene	463	ug/L	10.0	3.6	10		09/02/25 18:45	108-67-8	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		09/02/25 18:45	541-73-1	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		09/02/25 18:45	142-28-9	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		09/02/25 18:45	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	10.0	4.2	10		09/02/25 18:45	594-20-7	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		09/02/25 18:45	95-49-8	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		09/02/25 18:45	106-43-4	
Benzene	<3.0	ug/L	10.0	3.0	10		09/02/25 18:45	71-43-2	
Bromobenzene	<3.6	ug/L	10.0	3.6	10		09/02/25 18:45	108-86-1	
Bromochloromethane	<3.6	ug/L	10.0	3.6	10		09/02/25 18:45	74-97-5	
Bromodichloromethane	<2.1	ug/L	10.0	2.1	10		09/02/25 18:45	75-27-4	
Bromoform	<4.3	ug/L	10.0	4.3	10		09/02/25 18:45	75-25-2	
Bromomethane	<11.9	ug/L	50.0	11.9	10		09/02/25 18:45	74-83-9	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		09/02/25 18:45	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		09/02/25 18:45	108-90-7	
Chloroethane	<13.8	ug/L	50.0	13.8	10		09/02/25 18:45	75-00-3	
Chloroform	<5.0	ug/L	50.0	5.0	10		09/02/25 18:45	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		09/02/25 18:45	74-87-3	v1
Dibromochloromethane	<26.4	ug/L	50.0	26.4	10		09/02/25 18:45	124-48-1	
Dibromomethane	<9.9	ug/L	50.0	9.9	10		09/02/25 18:45	74-95-3	
Dichlorodifluoromethane	<4.6	ug/L	50.0	4.6	10		09/02/25 18:45	75-71-8	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		09/02/25 18:45	108-20-3	v1
Ethylbenzene	23.9	ug/L	10.0	3.3	10		09/02/25 18:45	100-41-4	
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		09/02/25 18:45	87-68-3	
Isopropylbenzene (Cumene)	48.6J	ug/L	50.0	10.0	10		09/02/25 18:45	98-82-8	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		09/02/25 18:45	1634-04-4	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		09/02/25 18:45	75-09-2	
Naphthalene	120	ug/L	50.0	19.2	10		09/02/25 18:45	91-20-3	
Styrene	<3.6	ug/L	10.0	3.6	10		09/02/25 18:45	100-42-5	
Tetrachloroethene	<4.1	ug/L	10.0	4.1	10		09/02/25 18:45	127-18-4	
Toluene	<2.9	ug/L	10.0	2.9	10		09/02/25 18:45	108-88-3	
Trichloroethene	<3.2	ug/L	10.0	3.2	10		09/02/25 18:45	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		09/02/25 18:45	75-69-4	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		09/02/25 18:45	75-01-4	
cis-1,2-Dichloroethene	<4.7	ug/L	10.0	4.7	10		09/02/25 18:45	156-59-2	
cis-1,3-Dichloropropene	<2.4	ug/L	10.0	2.4	10		09/02/25 18:45	10061-01-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-1 Lab ID: 40300884001 Collected: 08/28/25 08:22 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
m&p-Xylene	53.6	ug/L	20.0	7.0	10		09/02/25 18:45	179601-23-1	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		09/02/25 18:45	104-51-8	
n-Propylbenzene	95.1	ug/L	10.0	3.5	10		09/02/25 18:45	103-65-1	
o-Xylene	232	ug/L	10.0	3.5	10		09/02/25 18:45	95-47-6	
p-Isopropyltoluene	56.7	ug/L	50.0	10.4	10		09/02/25 18:45	99-87-6	
sec-Butylbenzene	39.3	ug/L	10.0	4.2	10		09/02/25 18:45	135-98-8	
tert-Butylbenzene	14.2	ug/L	10.0	5.9	10		09/02/25 18:45	98-06-6	
trans-1,2-Dichloroethene	<5.3	ug/L	10.0	5.3	10		09/02/25 18:45	156-60-5	
trans-1,3-Dichloropropene	<5.8	ug/L	10.0	5.8	10		09/02/25 18:45	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		10		09/02/25 18:45	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		10		09/02/25 18:45	460-00-4	
Toluene-d8 (S)	92	%	70-130		10		09/02/25 18:45	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-3 Lab ID: 40300884002 Collected: 08/28/25 09:18 Received: 08/29/25 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	<10.2	ug/L	50.0	10.2	2		09/05/25 13:50	7440-38-2	D3
Barium, Dissolved	106	ug/L	10.0	3.0	2		09/05/25 13:50	7440-39-3	
Cadmium, Dissolved	<2.7	ug/L	10.0	2.7	2		09/05/25 13:50	7440-43-9	D3
Chromium, Dissolved	<5.1	ug/L	20.0	5.1	2		09/05/25 13:50	7440-47-3	D3
Lead, Dissolved	<12.8	ug/L	40.0	12.8	2		09/05/25 13:50	7439-92-1	D3
Selenium, Dissolved	<24.7	ug/L	80.0	24.7	2		09/05/25 13:50	7782-49-2	D3
Silver, Dissolved	<6.5	ug/L	20.0	6.5	2		09/05/25 13:50	7440-22-4	D3
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	0.14J	ug/L	0.20	0.099	1	09/11/25 13:17	09/12/25 11:58	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.031J	ug/L	0.049	0.014	1	09/04/25 08:19	09/11/25 14:53	83-32-9	
Acenaphthylene	0.015J	ug/L	0.049	0.012	1	09/04/25 08:19	09/11/25 14:53	208-96-8	
Anthracene	<0.018	ug/L	0.049	0.018	1	09/04/25 08:19	09/11/25 14:53	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	09/04/25 08:19	09/11/25 14:53	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.049	0.012	1	09/04/25 08:19	09/11/25 14:53	50-32-8	
Benzo(b)fluoranthene	<0.0089	ug/L	0.049	0.0089	1	09/04/25 08:19	09/11/25 14:53	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	09/04/25 08:19	09/11/25 14:53	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	09/04/25 08:19	09/11/25 14:53	207-08-9	
Chrysene	<0.012	ug/L	0.049	0.012	1	09/04/25 08:19	09/11/25 14:53	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.049	0.017	1	09/04/25 08:19	09/11/25 14:53	53-70-3	
Fluoranthene	<0.025	ug/L	0.049	0.025	1	09/04/25 08:19	09/11/25 14:53	206-44-0	
Fluorene	0.098	ug/L	0.049	0.023	1	09/04/25 08:19	09/11/25 14:53	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	09/04/25 08:19	09/11/25 14:53	193-39-5	
1-Methylnaphthalene	2.1	ug/L	0.049	0.017	1	09/04/25 08:19	09/11/25 14:53	90-12-0	
2-Methylnaphthalene	1.9	ug/L	0.049	0.013	1	09/04/25 08:19	09/11/25 14:53	91-57-6	
Naphthalene	14.9	ug/L	0.049	0.019	1	09/04/25 08:19	09/11/25 14:53	91-20-3	
Phenanthrene	0.041J	ug/L	0.049	0.025	1	09/04/25 08:19	09/11/25 14:53	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	09/04/25 08:19	09/11/25 14:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	33-123		1	09/04/25 08:19	09/11/25 14:53	321-60-8	
Terphenyl-d14 (S)	79	%	36-134		1	09/04/25 08:19	09/11/25 14:53	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		09/02/25 16:53	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 16:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/02/25 16:53	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		09/02/25 16:53	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 16:53	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/25 16:53	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/02/25 16:53	563-58-6	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-3 Lab ID: 40300884002 Collected: 08/28/25 09:18 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/02/25 16:53	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		09/02/25 16:53	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/02/25 16:53	120-82-1	
1,2,4-Trimethylbenzene	727	ug/L	10.0	4.5	10		09/03/25 09:58	95-63-6	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		09/02/25 16:53	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/02/25 16:53	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 16:53	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/02/25 16:53	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/02/25 16:53	78-87-5	
1,3,5-Trimethylbenzene	163	ug/L	1.0	0.36	1		09/02/25 16:53	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 16:53	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/02/25 16:53	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/02/25 16:53	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		09/02/25 16:53	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 16:53	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 16:53	106-43-4	
Benzene	0.63J	ug/L	1.0	0.30	1		09/02/25 16:53	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 16:53	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		09/02/25 16:53	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		09/02/25 16:53	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		09/02/25 16:53	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/02/25 16:53	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/02/25 16:53	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 16:53	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/02/25 16:53	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		09/02/25 16:53	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/02/25 16:53	74-87-3	v1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/02/25 16:53	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/02/25 16:53	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/02/25 16:53	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 16:53	108-20-3	v1
Ethylbenzene	34.4	ug/L	1.0	0.33	1		09/02/25 16:53	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/02/25 16:53	87-68-3	
Isopropylbenzene (Cumene)	74.8	ug/L	5.0	1.0	1		09/02/25 16:53	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 16:53	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/02/25 16:53	75-09-2	
Naphthalene	19.8	ug/L	5.0	1.9	1		09/02/25 16:53	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/02/25 16:53	100-42-5	
Tetrachloroethene	2.1	ug/L	1.0	0.41	1		09/02/25 16:53	127-18-4	
Toluene	3.0	ug/L	1.0	0.29	1		09/02/25 16:53	108-88-3	
Trichloroethene	8.0	ug/L	1.0	0.32	1		09/02/25 16:53	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/02/25 16:53	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/02/25 16:53	75-01-4	
cis-1,2-Dichloroethene	1.4	ug/L	1.0	0.47	1		09/02/25 16:53	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		09/02/25 16:53	10061-01-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-3 Lab ID: 40300884002 Collected: 08/28/25 09:18 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
m&p-Xylene	67.2	ug/L	2.0	0.70	1		09/02/25 16:53	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 16:53	104-51-8	
n-Propylbenzene	78.3	ug/L	1.0	0.35	1		09/02/25 16:53	103-65-1	
o-Xylene	313	ug/L	10.0	3.5	10		09/03/25 09:58	95-47-6	
p-Isopropyltoluene	9.1	ug/L	5.0	1.0	1		09/02/25 16:53	99-87-6	
sec-Butylbenzene	33.2	ug/L	1.0	0.42	1		09/02/25 16:53	135-98-8	
tert-Butylbenzene	11.8	ug/L	1.0	0.59	1		09/02/25 16:53	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/02/25 16:53	156-60-5	
trans-1,3-Dichloropropene	<0.58	ug/L	1.0	0.58	1		09/02/25 16:53	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		09/02/25 16:53	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		09/02/25 16:53	460-00-4	
Toluene-d8 (S)	91	%	70-130		1		09/02/25 16:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-4 Lab ID: 40300884003 Collected: 08/28/25 10:06 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	5.4J	ug/L	25.0	5.1	1		09/04/25 21:46	7440-38-2	
Barium, Dissolved	15.3	ug/L	5.0	1.5	1		09/04/25 21:46	7440-39-3	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/04/25 21:46	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1		09/04/25 21:46	7440-47-3	
Lead, Dissolved	<6.4	ug/L	20.0	6.4	1		09/04/25 21:46	7439-92-1	
Selenium, Dissolved	<12.3	ug/L	40.0	12.3	1		09/04/25 21:46	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1		09/04/25 21:46	7440-22-4	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.099	ug/L	0.20	0.099	1	09/11/25 13:17	09/12/25 12:01	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.041	ug/L	0.15	0.041	3	09/04/25 08:19	09/08/25 15:02	83-32-9	
Acenaphthylene	<0.038	ug/L	0.15	0.038	3	09/04/25 08:19	09/08/25 15:02	208-96-8	
Anthracene	<0.055	ug/L	0.15	0.055	3	09/04/25 08:19	09/08/25 15:02	120-12-7	
Benzo(a)anthracene	<0.041	ug/L	0.15	0.041	3	09/04/25 08:19	09/08/25 15:02	56-55-3	
Benzo(a)pyrene	<0.038	ug/L	0.15	0.038	3	09/04/25 08:19	09/08/25 15:02	50-32-8	
Benzo(b)fluoranthene	<0.027	ug/L	0.15	0.027	3	09/04/25 08:19	09/08/25 15:02	205-99-2	
Benzo(g,h,i)perylene	<0.070	ug/L	0.15	0.070	3	09/04/25 08:19	09/08/25 15:02	191-24-2	
Benzo(k)fluoranthene	<0.067	ug/L	0.15	0.067	3	09/04/25 08:19	09/08/25 15:02	207-08-9	
Chrysene	<0.038	ug/L	0.15	0.038	3	09/04/25 08:19	09/08/25 15:02	218-01-9	
Dibenz(a,h)anthracene	<0.053	ug/L	0.15	0.053	3	09/04/25 08:19	09/08/25 15:02	53-70-3	
Fluoranthene	<0.078	ug/L	0.15	0.078	3	09/04/25 08:19	09/08/25 15:02	206-44-0	
Fluorene	<0.070	ug/L	0.15	0.070	3	09/04/25 08:19	09/08/25 15:02	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.046	ug/L	0.15	0.046	3	09/04/25 08:19	09/08/25 15:02	193-39-5	
1-Methylnaphthalene	6.3	ug/L	0.15	0.053	3	09/04/25 08:19	09/08/25 15:02	90-12-0	
2-Methylnaphthalene	7.9	ug/L	0.15	0.041	3	09/04/25 08:19	09/08/25 15:02	91-57-6	
Naphthalene	26.5	ug/L	0.15	0.059	3	09/04/25 08:19	09/08/25 15:02	91-20-3	
Phenanthrene	<0.076	ug/L	0.15	0.076	3	09/04/25 08:19	09/08/25 15:02	85-01-8	
Pyrene	<0.067	ug/L	0.15	0.067	3	09/04/25 08:19	09/08/25 15:02	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	33-123		3	09/04/25 08:19	09/08/25 15:02	321-60-8	
Terphenyl-d14 (S)	66	%	36-134		3	09/04/25 08:19	09/08/25 15:02	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		09/02/25 17:12	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 17:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/02/25 17:12	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		09/02/25 17:12	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 17:12	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/25 17:12	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/02/25 17:12	563-58-6	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-4 Lab ID: 40300884003 Collected: 08/28/25 10:06 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/02/25 17:12	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		09/02/25 17:12	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/02/25 17:12	120-82-1	
1,2,4-Trimethylbenzene	754	ug/L	10.0	4.5	10		09/03/25 10:17	95-63-6	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		09/02/25 17:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/02/25 17:12	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 17:12	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/02/25 17:12	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/02/25 17:12	78-87-5	
1,3,5-Trimethylbenzene	236	ug/L	10.0	3.6	10		09/03/25 10:17	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 17:12	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/02/25 17:12	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/02/25 17:12	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		09/02/25 17:12	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 17:12	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 17:12	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/02/25 17:12	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 17:12	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		09/02/25 17:12	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		09/02/25 17:12	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		09/02/25 17:12	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/02/25 17:12	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/02/25 17:12	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 17:12	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/02/25 17:12	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		09/02/25 17:12	67-66-3	
Chloromethane	1.6J	ug/L	5.0	1.6	1		09/02/25 17:12	74-87-3	v1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/02/25 17:12	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/02/25 17:12	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/02/25 17:12	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 17:12	108-20-3	v1
Ethylbenzene	2.4	ug/L	1.0	0.33	1		09/02/25 17:12	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/02/25 17:12	87-68-3	
Isopropylbenzene (Cumene)	30.0	ug/L	5.0	1.0	1		09/02/25 17:12	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 17:12	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/02/25 17:12	75-09-2	
Naphthalene	44.7	ug/L	5.0	1.9	1		09/02/25 17:12	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/02/25 17:12	100-42-5	
Tetrachloroethene	1.6	ug/L	1.0	0.41	1		09/02/25 17:12	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/02/25 17:12	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/02/25 17:12	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/02/25 17:12	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/02/25 17:12	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/02/25 17:12	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		09/02/25 17:12	10061-01-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-4 Lab ID: 40300884003 Collected: 08/28/25 10:06 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
m&p-Xylene	6.4	ug/L	2.0	0.70	1		09/02/25 17:12	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 17:12	104-51-8	
n-Propylbenzene	49.9	ug/L	1.0	0.35	1		09/02/25 17:12	103-65-1	
o-Xylene	16.7	ug/L	1.0	0.35	1		09/02/25 17:12	95-47-6	
p-Isopropyltoluene	33.9	ug/L	5.0	1.0	1		09/02/25 17:12	99-87-6	
sec-Butylbenzene	21.9	ug/L	1.0	0.42	1		09/02/25 17:12	135-98-8	
tert-Butylbenzene	11.1	ug/L	1.0	0.59	1		09/02/25 17:12	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/02/25 17:12	156-60-5	
trans-1,3-Dichloropropene	<0.58	ug/L	1.0	0.58	1		09/02/25 17:12	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		09/02/25 17:12	2199-69-1	
4-Bromofluorobenzene (S)	96	%	70-130		1		09/02/25 17:12	460-00-4	
Toluene-d8 (S)	90	%	70-130		1		09/02/25 17:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: DUP-1 Lab ID: 40300884004 Collected: 08/28/25 10:11 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	6.3J	ug/L	25.0	5.1	1		09/04/25 21:48	7440-38-2	
Barium, Dissolved	14.9	ug/L	5.0	1.5	1		09/04/25 21:48	7440-39-3	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/04/25 21:48	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1		09/04/25 21:48	7440-47-3	
Lead, Dissolved	<6.4	ug/L	20.0	6.4	1		09/04/25 21:48	7439-92-1	
Selenium, Dissolved	<12.3	ug/L	40.0	12.3	1		09/04/25 21:48	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1		09/04/25 21:48	7440-22-4	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.099	ug/L	0.20	0.099	1	09/11/25 13:17	09/12/25 12:04	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.041	ug/L	0.15	0.041	3	09/04/25 08:19	09/06/25 01:12	83-32-9	
Acenaphthylene	<0.037	ug/L	0.15	0.037	3	09/04/25 08:19	09/06/25 01:12	208-96-8	
Anthracene	<0.055	ug/L	0.15	0.055	3	09/04/25 08:19	09/06/25 01:12	120-12-7	
Benzo(a)anthracene	<0.040	ug/L	0.15	0.040	3	09/04/25 08:19	09/06/25 01:12	56-55-3	
Benzo(a)pyrene	<0.038	ug/L	0.15	0.038	3	09/04/25 08:19	09/06/25 01:12	50-32-8	
Benzo(b)fluoranthene	<0.027	ug/L	0.15	0.027	3	09/04/25 08:19	09/06/25 01:12	205-99-2	
Benzo(g,h,i)perylene	<0.069	ug/L	0.15	0.069	3	09/04/25 08:19	09/06/25 01:12	191-24-2	
Benzo(k)fluoranthene	<0.066	ug/L	0.15	0.066	3	09/04/25 08:19	09/06/25 01:12	207-08-9	
Chrysene	<0.037	ug/L	0.15	0.037	3	09/04/25 08:19	09/06/25 01:12	218-01-9	
Dibenz(a,h)anthracene	<0.053	ug/L	0.15	0.053	3	09/04/25 08:19	09/06/25 01:12	53-70-3	
Fluoranthene	<0.077	ug/L	0.15	0.077	3	09/04/25 08:19	09/06/25 01:12	206-44-0	
Fluorene	<0.069	ug/L	0.15	0.069	3	09/04/25 08:19	09/06/25 01:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.046	ug/L	0.15	0.046	3	09/04/25 08:19	09/06/25 01:12	193-39-5	
1-Methylnaphthalene	5.9	ug/L	0.15	0.053	3	09/04/25 08:19	09/06/25 01:12	90-12-0	
2-Methylnaphthalene	7.2	ug/L	0.15	0.041	3	09/04/25 08:19	09/06/25 01:12	91-57-6	
Naphthalene	24.2	ug/L	0.15	0.059	3	09/04/25 08:19	09/06/25 01:12	91-20-3	
Phenanthrene	0.083J	ug/L	0.15	0.076	3	09/04/25 08:19	09/06/25 01:12	85-01-8	
Pyrene	<0.067	ug/L	0.15	0.067	3	09/04/25 08:19	09/06/25 01:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	33-123		3	09/04/25 08:19	09/06/25 01:12	321-60-8	
Terphenyl-d14 (S)	57	%	36-134		3	09/04/25 08:19	09/06/25 01:12	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		09/02/25 17:30	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 17:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/02/25 17:30	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		09/02/25 17:30	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 17:30	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/25 17:30	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/02/25 17:30	563-58-6	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: DUP-1 Lab ID: 40300884004 Collected: 08/28/25 10:11 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/02/25 17:30	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		09/02/25 17:30	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/02/25 17:30	120-82-1	
1,2,4-Trimethylbenzene	784	ug/L	10.0	4.5	10		09/03/25 10:36	95-63-6	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		09/02/25 17:30	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/02/25 17:30	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 17:30	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/02/25 17:30	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/02/25 17:30	78-87-5	
1,3,5-Trimethylbenzene	258	ug/L	10.0	3.6	10		09/03/25 10:36	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 17:30	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/02/25 17:30	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/02/25 17:30	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		09/02/25 17:30	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 17:30	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 17:30	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/02/25 17:30	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 17:30	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		09/02/25 17:30	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		09/02/25 17:30	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		09/02/25 17:30	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/02/25 17:30	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/02/25 17:30	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 17:30	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/02/25 17:30	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		09/02/25 17:30	67-66-3	
Chloromethane	2.8J	ug/L	5.0	1.6	1		09/02/25 17:30	74-87-3	v1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/02/25 17:30	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/02/25 17:30	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/02/25 17:30	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 17:30	108-20-3	v1
Ethylbenzene	2.3	ug/L	1.0	0.33	1		09/02/25 17:30	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/02/25 17:30	87-68-3	
Isopropylbenzene (Cumene)	30.0	ug/L	5.0	1.0	1		09/02/25 17:30	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 17:30	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/02/25 17:30	75-09-2	
Naphthalene	45.1	ug/L	5.0	1.9	1		09/02/25 17:30	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/02/25 17:30	100-42-5	
Tetrachloroethene	1.4	ug/L	1.0	0.41	1		09/02/25 17:30	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/02/25 17:30	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/02/25 17:30	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/02/25 17:30	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/02/25 17:30	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/02/25 17:30	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		09/02/25 17:30	10061-01-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: DUP-1 Lab ID: 40300884004 Collected: 08/28/25 10:11 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
m&p-Xylene	6.0	ug/L	2.0	0.70	1		09/02/25 17:30	179601-23-1	
n-Butylbenzene	31.7	ug/L	1.0	0.86	1		09/02/25 17:30	104-51-8	
n-Propylbenzene	51.9	ug/L	1.0	0.35	1		09/02/25 17:30	103-65-1	
o-Xylene	16.1	ug/L	1.0	0.35	1		09/02/25 17:30	95-47-6	
p-Isopropyltoluene	35.1	ug/L	5.0	1.0	1		09/02/25 17:30	99-87-6	
sec-Butylbenzene	22.2	ug/L	1.0	0.42	1		09/02/25 17:30	135-98-8	
tert-Butylbenzene	11.3	ug/L	1.0	0.59	1		09/02/25 17:30	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/02/25 17:30	156-60-5	
trans-1,3-Dichloropropene	<0.58	ug/L	1.0	0.58	1		09/02/25 17:30	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		09/02/25 17:30	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		09/02/25 17:30	460-00-4	
Toluene-d8 (S)	88	%	70-130		1		09/02/25 17:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-5 Lab ID: 40300884005 Collected: 08/28/25 10:53 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	5.7J	ug/L	25.0	5.1	1		09/04/25 21:54	7440-38-2	
Barium, Dissolved	26.5	ug/L	5.0	1.5	1		09/04/25 21:54	7440-39-3	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/04/25 21:54	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1		09/04/25 21:54	7440-47-3	
Lead, Dissolved	<6.4	ug/L	20.0	6.4	1		09/04/25 21:54	7439-92-1	
Selenium, Dissolved	<12.3	ug/L	40.0	12.3	1		09/04/25 21:54	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1		09/04/25 21:54	7440-22-4	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.099	ug/L	0.20	0.099	1	09/11/25 13:17	09/12/25 12:07	7439-97-6	
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	09/04/25 08:19	09/11/25 15:10	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	09/04/25 08:19	09/11/25 15:10	208-96-8	
Anthracene	<0.018	ug/L	0.049	0.018	1	09/04/25 08:19	09/11/25 15:10	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	09/04/25 08:19	09/11/25 15:10	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.049	0.013	1	09/04/25 08:19	09/11/25 15:10	50-32-8	
Benzo(b)fluoranthene	<0.0090	ug/L	0.049	0.0090	1	09/04/25 08:19	09/11/25 15:10	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	09/04/25 08:19	09/11/25 15:10	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	09/04/25 08:19	09/11/25 15:10	207-08-9	
Chrysene	<0.012	ug/L	0.049	0.012	1	09/04/25 08:19	09/11/25 15:10	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	09/04/25 08:19	09/11/25 15:10	53-70-3	
Fluoranthene	<0.026	ug/L	0.049	0.026	1	09/04/25 08:19	09/11/25 15:10	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	09/04/25 08:19	09/11/25 15:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	09/04/25 08:19	09/11/25 15:10	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.049	0.018	1	09/04/25 08:19	09/11/25 15:10	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.049	0.014	1	09/04/25 08:19	09/11/25 15:10	91-57-6	
Naphthalene	<0.020	ug/L	0.049	0.020	1	09/04/25 08:19	09/11/25 15:10	91-20-3	
Phenanthrene	<0.025	ug/L	0.049	0.025	1	09/04/25 08:19	09/11/25 15:10	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	09/04/25 08:19	09/11/25 15:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	33-123		1	09/04/25 08:19	09/11/25 15:10	321-60-8	
Terphenyl-d14 (S)	75	%	36-134		1	09/04/25 08:19	09/11/25 15:10	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		09/03/25 09:21	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/03/25 09:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/03/25 09:21	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		09/03/25 09:21	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/03/25 09:21	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/03/25 09:21	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/03/25 09:21	563-58-6	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-5 Lab ID: 40300884005 Collected: 08/28/25 10:53 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/03/25 09:21	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		09/03/25 09:21	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/03/25 09:21	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/03/25 09:21	95-63-6	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		09/03/25 09:21	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/03/25 09:21	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/03/25 09:21	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/03/25 09:21	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/03/25 09:21	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/03/25 09:21	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/03/25 09:21	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/03/25 09:21	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/03/25 09:21	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		09/03/25 09:21	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/03/25 09:21	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/03/25 09:21	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/03/25 09:21	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/03/25 09:21	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		09/03/25 09:21	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		09/03/25 09:21	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		09/03/25 09:21	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/03/25 09:21	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/03/25 09:21	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/03/25 09:21	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/03/25 09:21	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		09/03/25 09:21	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/03/25 09:21	74-87-3	v1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/03/25 09:21	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/03/25 09:21	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/03/25 09:21	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/03/25 09:21	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/03/25 09:21	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/03/25 09:21	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/03/25 09:21	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/03/25 09:21	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/03/25 09:21	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		09/03/25 09:21	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/03/25 09:21	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/03/25 09:21	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/03/25 09:21	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/03/25 09:21	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/03/25 09:21	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/03/25 09:21	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/03/25 09:21	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		09/03/25 09:21	10061-01-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-5 Lab ID: 40300884005 Collected: 08/28/25 10:53 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/03/25 09:21	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/03/25 09:21	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/03/25 09:21	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/03/25 09:21	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/03/25 09:21	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/03/25 09:21	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/03/25 09:21	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/03/25 09:21	156-60-5	
trans-1,3-Dichloropropene	<0.58	ug/L	1.0	0.58	1		09/03/25 09:21	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/03/25 09:21	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		09/03/25 09:21	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		09/03/25 09:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-6 Lab ID: 40300884006 Collected: 08/28/25 11:41 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	<5.1	ug/L	25.0	5.1	1		09/04/25 21:34	7440-38-2	
Barium, Dissolved	55.6	ug/L	5.0	1.5	1		09/04/25 21:34	7440-39-3	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/04/25 21:34	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1		09/04/25 21:34	7440-47-3	
Lead, Dissolved	<6.4	ug/L	20.0	6.4	1		09/04/25 21:34	7439-92-1	
Selenium, Dissolved	<12.3	ug/L	40.0	12.3	1		09/04/25 21:34	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1		09/04/25 21:34	7440-22-4	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.099	ug/L	0.20	0.099	1	09/11/25 13:17	09/12/25 12:10	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.015	ug/L	0.053	0.015	1	09/04/25 08:19	09/04/25 21:13	83-32-9	
Acenaphthylene	<0.013	ug/L	0.053	0.013	1	09/04/25 08:19	09/04/25 21:13	208-96-8	
Anthracene	<0.020	ug/L	0.053	0.020	1	09/04/25 08:19	09/04/25 21:13	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.053	0.014	1	09/04/25 08:19	09/04/25 21:13	56-55-3	
Benzo(a)pyrene	<0.014	ug/L	0.053	0.014	1	09/04/25 08:19	09/04/25 21:13	50-32-8	
Benzo(b)fluoranthene	<0.0097	ug/L	0.053	0.0097	1	09/04/25 08:19	09/04/25 21:13	205-99-2	
Benzo(g,h,i)perylene	<0.025	ug/L	0.053	0.025	1	09/04/25 08:19	09/04/25 21:13	191-24-2	
Benzo(k)fluoranthene	<0.024	ug/L	0.053	0.024	1	09/04/25 08:19	09/04/25 21:13	207-08-9	
Chrysene	<0.013	ug/L	0.053	0.013	1	09/04/25 08:19	09/04/25 21:13	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.053	0.019	1	09/04/25 08:19	09/04/25 21:13	53-70-3	
Fluoranthene	<0.028	ug/L	0.053	0.028	1	09/04/25 08:19	09/04/25 21:13	206-44-0	
Fluorene	<0.025	ug/L	0.053	0.025	1	09/04/25 08:19	09/04/25 21:13	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.053	0.017	1	09/04/25 08:19	09/04/25 21:13	193-39-5	
1-Methylnaphthalene	<0.019	ug/L	0.053	0.019	1	09/04/25 08:19	09/04/25 21:13	90-12-0	
2-Methylnaphthalene	<0.015	ug/L	0.053	0.015	1	09/04/25 08:19	09/04/25 21:13	91-57-6	
Naphthalene	<0.021	ug/L	0.053	0.021	1	09/04/25 08:19	09/04/25 21:13	91-20-3	
Phenanthrene	<0.027	ug/L	0.053	0.027	1	09/04/25 08:19	09/04/25 21:13	85-01-8	
Pyrene	<0.024	ug/L	0.053	0.024	1	09/04/25 08:19	09/04/25 21:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	33-123		1	09/04/25 08:19	09/04/25 21:13	321-60-8	
Terphenyl-d14 (S)	74	%	36-134		1	09/04/25 08:19	09/04/25 21:13	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		09/02/25 13:28	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 13:28	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/02/25 13:28	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		09/02/25 13:28	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 13:28	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/25 13:28	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/02/25 13:28	563-58-6	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-6 Lab ID: 40300884006 Collected: 08/28/25 11:41 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/02/25 13:28	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		09/02/25 13:28	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/02/25 13:28	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/02/25 13:28	95-63-6	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		09/02/25 13:28	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/02/25 13:28	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 13:28	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/02/25 13:28	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/02/25 13:28	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 13:28	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 13:28	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/02/25 13:28	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/02/25 13:28	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		09/02/25 13:28	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 13:28	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 13:28	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/02/25 13:28	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 13:28	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		09/02/25 13:28	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		09/02/25 13:28	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		09/02/25 13:28	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/02/25 13:28	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/02/25 13:28	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 13:28	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/02/25 13:28	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		09/02/25 13:28	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/02/25 13:28	74-87-3	v1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/02/25 13:28	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/02/25 13:28	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/02/25 13:28	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 13:28	108-20-3	v1
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 13:28	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/02/25 13:28	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/02/25 13:28	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 13:28	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/02/25 13:28	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		09/02/25 13:28	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/02/25 13:28	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/25 13:28	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/02/25 13:28	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/02/25 13:28	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/02/25 13:28	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/02/25 13:28	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/02/25 13:28	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		09/02/25 13:28	10061-01-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-6 Lab ID: 40300884006 Collected: 08/28/25 11:41 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/02/25 13:28	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 13:28	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 13:28	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/02/25 13:28	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/02/25 13:28	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/02/25 13:28	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/02/25 13:28	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/02/25 13:28	156-60-5	
trans-1,3-Dichloropropene	<0.58	ug/L	1.0	0.58	1		09/02/25 13:28	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/02/25 13:28	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		09/02/25 13:28	460-00-4	
Toluene-d8 (S)	95	%	70-130		1		09/02/25 13:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-7 Lab ID: 40300884007 Collected: 08/28/25 12:33 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	<5.1	ug/L	25.0	5.1	1		09/04/25 21:56	7440-38-2	
Barium, Dissolved	91.3	ug/L	5.0	1.5	1		09/04/25 21:56	7440-39-3	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/04/25 21:56	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1		09/04/25 21:56	7440-47-3	
Lead, Dissolved	<6.4	ug/L	20.0	6.4	1		09/04/25 21:56	7439-92-1	
Selenium, Dissolved	<12.3	ug/L	40.0	12.3	1		09/04/25 21:56	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1		09/04/25 21:56	7440-22-4	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	0.12J	ug/L	0.20	0.099	1	09/11/25 13:17	09/12/25 12:23	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.052	0.014	1	09/04/25 08:19	09/11/25 15:28	83-32-9	
Acenaphthylene	<0.013	ug/L	0.052	0.013	1	09/04/25 08:19	09/11/25 15:28	208-96-8	
Anthracene	<0.019	ug/L	0.052	0.019	1	09/04/25 08:19	09/11/25 15:28	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.052	0.014	1	09/04/25 08:19	09/11/25 15:28	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.052	0.013	1	09/04/25 08:19	09/11/25 15:28	50-32-8	
Benzo(b)fluoranthene	<0.0094	ug/L	0.052	0.0094	1	09/04/25 08:19	09/11/25 15:28	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.052	0.024	1	09/04/25 08:19	09/11/25 15:28	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.052	0.023	1	09/04/25 08:19	09/11/25 15:28	207-08-9	
Chrysene	<0.013	ug/L	0.052	0.013	1	09/04/25 08:19	09/11/25 15:28	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.052	0.018	1	09/04/25 08:19	09/11/25 15:28	53-70-3	
Fluoranthene	<0.027	ug/L	0.052	0.027	1	09/04/25 08:19	09/11/25 15:28	206-44-0	
Fluorene	<0.024	ug/L	0.052	0.024	1	09/04/25 08:19	09/11/25 15:28	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.052	0.016	1	09/04/25 08:19	09/11/25 15:28	193-39-5	
1-Methylnaphthalene	<0.019	ug/L	0.052	0.019	1	09/04/25 08:19	09/11/25 15:28	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.052	0.014	1	09/04/25 08:19	09/11/25 15:28	91-57-6	
Naphthalene	<0.021	ug/L	0.052	0.021	1	09/04/25 08:19	09/11/25 15:28	91-20-3	
Phenanthrene	<0.027	ug/L	0.052	0.027	1	09/04/25 08:19	09/11/25 15:28	85-01-8	
Pyrene	<0.023	ug/L	0.052	0.023	1	09/04/25 08:19	09/11/25 15:28	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	33-123		1	09/04/25 08:19	09/11/25 15:28	321-60-8	
Terphenyl-d14 (S)	62	%	36-134		1	09/04/25 08:19	09/11/25 15:28	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		09/03/25 09:02	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/03/25 09:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/03/25 09:02	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		09/03/25 09:02	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/03/25 09:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/03/25 09:02	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/03/25 09:02	563-58-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-7 Lab ID: 40300884007 Collected: 08/28/25 12:33 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/03/25 09:02	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		09/03/25 09:02	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/03/25 09:02	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/03/25 09:02	95-63-6	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		09/03/25 09:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/03/25 09:02	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/03/25 09:02	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/03/25 09:02	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/03/25 09:02	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/03/25 09:02	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/03/25 09:02	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/03/25 09:02	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/03/25 09:02	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		09/03/25 09:02	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/03/25 09:02	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/03/25 09:02	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/03/25 09:02	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/03/25 09:02	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		09/03/25 09:02	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		09/03/25 09:02	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		09/03/25 09:02	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/03/25 09:02	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/03/25 09:02	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/03/25 09:02	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/03/25 09:02	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		09/03/25 09:02	67-66-3	
Chloromethane	1.7J	ug/L	5.0	1.6	1		09/03/25 09:02	74-87-3	v1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/03/25 09:02	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/03/25 09:02	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/03/25 09:02	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/03/25 09:02	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/03/25 09:02	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/03/25 09:02	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/03/25 09:02	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/03/25 09:02	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/03/25 09:02	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		09/03/25 09:02	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/03/25 09:02	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/03/25 09:02	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/03/25 09:02	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/03/25 09:02	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/03/25 09:02	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/03/25 09:02	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/03/25 09:02	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		09/03/25 09:02	10061-01-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-7 Lab ID: 40300884007 Collected: 08/28/25 12:33 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/03/25 09:02	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/03/25 09:02	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/03/25 09:02	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/03/25 09:02	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/03/25 09:02	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/03/25 09:02	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/03/25 09:02	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/03/25 09:02	156-60-5	
trans-1,3-Dichloropropene	<0.58	ug/L	1.0	0.58	1		09/03/25 09:02	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		09/03/25 09:02	2199-69-1	
4-Bromofluorobenzene (S)	99	%	70-130		1		09/03/25 09:02	460-00-4	
Toluene-d8 (S)	95	%	70-130		1		09/03/25 09:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-8 Lab ID: 40300884008 Collected: 08/28/25 13:23 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	<5.1	ug/L	25.0	5.1	1		09/04/25 21:58	7440-38-2	
Barium, Dissolved	50.3	ug/L	5.0	1.5	1		09/04/25 21:58	7440-39-3	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1		09/04/25 21:58	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1		09/04/25 21:58	7440-47-3	
Lead, Dissolved	<6.4	ug/L	20.0	6.4	1		09/04/25 21:58	7439-92-1	
Selenium, Dissolved	<12.3	ug/L	40.0	12.3	1		09/04/25 21:58	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1		09/04/25 21:58	7440-22-4	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	0.10J	ug/L	0.20	0.099	1	09/11/25 13:17	09/12/25 12:26	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.051	0.014	1	09/04/25 08:19	09/11/25 15:46	83-32-9	
Acenaphthylene	<0.013	ug/L	0.051	0.013	1	09/04/25 08:19	09/11/25 15:46	208-96-8	
Anthracene	<0.019	ug/L	0.051	0.019	1	09/04/25 08:19	09/11/25 15:46	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.051	0.014	1	09/04/25 08:19	09/11/25 15:46	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.051	0.013	1	09/04/25 08:19	09/11/25 15:46	50-32-8	
Benzo(b)fluoranthene	<0.0093	ug/L	0.051	0.0093	1	09/04/25 08:19	09/11/25 15:46	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	09/04/25 08:19	09/11/25 15:46	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	09/04/25 08:19	09/11/25 15:46	207-08-9	
Chrysene	<0.013	ug/L	0.051	0.013	1	09/04/25 08:19	09/11/25 15:46	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.051	0.018	1	09/04/25 08:19	09/11/25 15:46	53-70-3	
Fluoranthene	<0.027	ug/L	0.051	0.027	1	09/04/25 08:19	09/11/25 15:46	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	09/04/25 08:19	09/11/25 15:46	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.051	0.016	1	09/04/25 08:19	09/11/25 15:46	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.051	0.018	1	09/04/25 08:19	09/11/25 15:46	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.051	0.014	1	09/04/25 08:19	09/11/25 15:46	91-57-6	
Naphthalene	<0.020	ug/L	0.051	0.020	1	09/04/25 08:19	09/11/25 15:46	91-20-3	
Phenanthrene	<0.026	ug/L	0.051	0.026	1	09/04/25 08:19	09/11/25 15:46	85-01-8	
Pyrene	<0.023	ug/L	0.051	0.023	1	09/04/25 08:19	09/11/25 15:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	33-123		1	09/04/25 08:19	09/11/25 15:46	321-60-8	
Terphenyl-d14 (S)	71	%	36-134		1	09/04/25 08:19	09/11/25 15:46	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		09/02/25 18:27	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 18:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/02/25 18:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		09/02/25 18:27	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 18:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/25 18:27	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/02/25 18:27	563-58-6	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-8 Lab ID: 40300884008 Collected: 08/28/25 13:23 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/02/25 18:27	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		09/02/25 18:27	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/02/25 18:27	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/02/25 18:27	95-63-6	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		09/02/25 18:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/02/25 18:27	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 18:27	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/02/25 18:27	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/02/25 18:27	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 18:27	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 18:27	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/02/25 18:27	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/02/25 18:27	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		09/02/25 18:27	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 18:27	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 18:27	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/02/25 18:27	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 18:27	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		09/02/25 18:27	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		09/02/25 18:27	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		09/02/25 18:27	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/02/25 18:27	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/02/25 18:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 18:27	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/02/25 18:27	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		09/02/25 18:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/02/25 18:27	74-87-3	v1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/02/25 18:27	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/02/25 18:27	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/02/25 18:27	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 18:27	108-20-3	v1
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 18:27	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/02/25 18:27	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/02/25 18:27	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 18:27	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/02/25 18:27	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		09/02/25 18:27	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/02/25 18:27	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/25 18:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/02/25 18:27	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/02/25 18:27	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/02/25 18:27	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/02/25 18:27	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/02/25 18:27	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		09/02/25 18:27	10061-01-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TS-GW-TW-8 Lab ID: 40300884008 Collected: 08/28/25 13:23 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/02/25 18:27	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 18:27	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 18:27	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/02/25 18:27	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/02/25 18:27	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/02/25 18:27	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/02/25 18:27	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/02/25 18:27	156-60-5	
trans-1,3-Dichloropropene	<0.58	ug/L	1.0	0.58	1		09/02/25 18:27	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		09/02/25 18:27	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		09/02/25 18:27	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		09/02/25 18:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TB-1 Lab ID: 40300884009 Collected: 08/28/25 00:00 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		09/02/25 12:51	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 12:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/02/25 12:51	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		09/02/25 12:51	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/02/25 12:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/02/25 12:51	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/02/25 12:51	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/02/25 12:51	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		09/02/25 12:51	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/02/25 12:51	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/02/25 12:51	95-63-6	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		09/02/25 12:51	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/02/25 12:51	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 12:51	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/02/25 12:51	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/02/25 12:51	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 12:51	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 12:51	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/02/25 12:51	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/02/25 12:51	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		09/02/25 12:51	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 12:51	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/02/25 12:51	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/02/25 12:51	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/02/25 12:51	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		09/02/25 12:51	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		09/02/25 12:51	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		09/02/25 12:51	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/02/25 12:51	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/02/25 12:51	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 12:51	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/02/25 12:51	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		09/02/25 12:51	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/02/25 12:51	74-87-3	v1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/02/25 12:51	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/02/25 12:51	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/02/25 12:51	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 12:51	108-20-3	v1
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/02/25 12:51	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/02/25 12:51	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/02/25 12:51	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/02/25 12:51	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/02/25 12:51	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		09/02/25 12:51	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/02/25 12:51	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Sample: TB-1 Lab ID: 40300884009 Collected: 08/28/25 00:00 Received: 08/29/25 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/02/25 12:51	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/02/25 12:51	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/02/25 12:51	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/02/25 12:51	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/02/25 12:51	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/02/25 12:51	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		09/02/25 12:51	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/02/25 12:51	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/02/25 12:51	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/02/25 12:51	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/02/25 12:51	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/02/25 12:51	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/02/25 12:51	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/02/25 12:51	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/02/25 12:51	156-60-5	
trans-1,3-Dichloropropene	<0.58	ug/L	1.0	0.58	1		09/02/25 12:51	10061-02-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/02/25 12:51	2199-69-1	
4-Bromofluorobenzene (S)	98	%	70-130		1		09/02/25 12:51	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		09/02/25 12:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940108334 WAUSAU THOMAS ST
Pace Project No.: 40300884

QC Batch:	515187	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 6010D	Analysis Description:	ICP Metals, Trace, Dissolved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008

METHOD BLANK: 2940025 Matrix: Water
Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<5.1	25.0	09/04/25 21:30	
Barium, Dissolved	ug/L	<1.5	5.0	09/04/25 21:30	
Cadmium, Dissolved	ug/L	<1.3	5.0	09/04/25 21:30	
Chromium, Dissolved	ug/L	<2.5	10.0	09/04/25 21:30	
Lead, Dissolved	ug/L	<6.4	20.0	09/04/25 21:30	
Selenium, Dissolved	ug/L	<12.3	40.0	09/04/25 21:30	
Silver, Dissolved	ug/L	<3.2	10.0	09/04/25 21:30	

LABORATORY CONTROL SAMPLE: 2940026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	250	240	96	80-120	
Barium, Dissolved	ug/L	250	253	101	80-120	
Cadmium, Dissolved	ug/L	250	259	104	80-120	
Chromium, Dissolved	ug/L	250	255	102	80-120	
Lead, Dissolved	ug/L	250	268	107	80-120	
Selenium, Dissolved	ug/L	250	251	100	80-120	
Silver, Dissolved	ug/L	125	123	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2940027 2940028

Parameter	Units	40300884006		MSD		MS		MSD		% Rec Limits	Max	
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	% Rec		RPD	RPD
Arsenic, Dissolved	ug/L	<5.1	250	250	238	239	94	94	94	75-125	1	20
Barium, Dissolved	ug/L	55.6	250	250	318	313	105	103	103	75-125	1	20
Cadmium, Dissolved	ug/L	<1.3	250	250	262	260	105	104	104	75-125	1	20
Chromium, Dissolved	ug/L	<2.5	250	250	257	256	102	102	102	75-125	0	20
Lead, Dissolved	ug/L	<6.4	250	250	264	262	105	105	105	75-125	1	20
Selenium, Dissolved	ug/L	<12.3	250	250	253	250	101	99	99	75-125	1	20
Silver, Dissolved	ug/L	<3.2	125	125	117	117	93	93	93	75-125	0	20

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QUALITY CONTROL DATA

Project: 1940108334 WAUSAU THOMAS ST
Pace Project No.: 40300884

QC Batch:	515777	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008

METHOD BLANK: 2943070 Matrix: Water
Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.099	0.20	09/12/25 11:39	

LABORATORY CONTROL SAMPLE: 2943071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2943072 2943073

Parameter	Units	40300884001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.099	5	5	5.2	5.2	102	101	85-115	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2943182 2943183

Parameter	Units	40300884006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.099	5	5	5.3	5.2	105	102	85-115	3	20	

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QUALITY CONTROL DATA

Project: 1940108334 WAUSAU THOMAS ST
Pace Project No.: 40300884

QC Batch:	514804	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008, 40300884009

METHOD BLANK: 2938330 Matrix: Water
Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008, 40300884009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	09/02/25 10:59	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/02/25 10:59	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/02/25 10:59	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	09/02/25 10:59	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/02/25 10:59	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/02/25 10:59	
1,1-Dichloropropene	ug/L	<0.41	1.0	09/02/25 10:59	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	09/02/25 10:59	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	09/02/25 10:59	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/02/25 10:59	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	09/02/25 10:59	
1,2-Dibromo-3-chloropropane	ug/L	<0.36	5.0	09/02/25 10:59	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	09/02/25 10:59	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	09/02/25 10:59	
1,2-Dichloroethane	ug/L	<0.29	1.0	09/02/25 10:59	
1,2-Dichloropropane	ug/L	<0.45	1.0	09/02/25 10:59	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	09/02/25 10:59	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	09/02/25 10:59	
1,3-Dichloropropane	ug/L	<0.30	1.0	09/02/25 10:59	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	09/02/25 10:59	
2,2-Dichloropropane	ug/L	<0.42	1.0	09/02/25 10:59	
2-Chlorotoluene	ug/L	<0.89	5.0	09/02/25 10:59	
4-Chlorotoluene	ug/L	<0.89	5.0	09/02/25 10:59	
Benzene	ug/L	<0.30	1.0	09/02/25 10:59	
Bromobenzene	ug/L	<0.36	1.0	09/02/25 10:59	
Bromochloromethane	ug/L	<0.36	1.0	09/02/25 10:59	
Bromodichloromethane	ug/L	<0.21	1.0	09/02/25 10:59	
Bromoform	ug/L	<0.43	1.0	09/02/25 10:59	
Bromomethane	ug/L	<1.2	5.0	09/02/25 10:59	
Carbon tetrachloride	ug/L	<0.37	1.0	09/02/25 10:59	
Chlorobenzene	ug/L	<0.86	1.0	09/02/25 10:59	
Chloroethane	ug/L	<1.4	5.0	09/02/25 10:59	
Chloroform	ug/L	<0.50	5.0	09/02/25 10:59	
Chloromethane	ug/L	<1.6	5.0	09/02/25 10:59	v1
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	09/02/25 10:59	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	09/02/25 10:59	
Dibromochloromethane	ug/L	<2.6	5.0	09/02/25 10:59	
Dibromomethane	ug/L	<0.99	5.0	09/02/25 10:59	
Dichlorodifluoromethane	ug/L	<0.46	5.0	09/02/25 10:59	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

METHOD BLANK: 2938330

Matrix: Water

Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008, 40300884009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	09/02/25 10:59	v1
Ethylbenzene	ug/L	<0.33	1.0	09/02/25 10:59	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	09/02/25 10:59	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	09/02/25 10:59	
m&p-Xylene	ug/L	<0.70	2.0	09/02/25 10:59	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	09/02/25 10:59	
Methylene Chloride	ug/L	<0.32	5.0	09/02/25 10:59	
n-Butylbenzene	ug/L	<0.86	1.0	09/02/25 10:59	
n-Propylbenzene	ug/L	<0.35	1.0	09/02/25 10:59	
Naphthalene	ug/L	<1.9	5.0	09/02/25 10:59	
o-Xylene	ug/L	<0.35	1.0	09/02/25 10:59	
p-Isopropyltoluene	ug/L	<1.0	5.0	09/02/25 10:59	
sec-Butylbenzene	ug/L	<0.42	1.0	09/02/25 10:59	
Styrene	ug/L	<0.36	1.0	09/02/25 10:59	
tert-Butylbenzene	ug/L	<0.59	1.0	09/02/25 10:59	
Tetrachloroethene	ug/L	<0.41	1.0	09/02/25 10:59	
Toluene	ug/L	<0.29	1.0	09/02/25 10:59	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	09/02/25 10:59	
trans-1,3-Dichloropropene	ug/L	<0.58	1.0	09/02/25 10:59	
Trichloroethene	ug/L	<0.32	1.0	09/02/25 10:59	
Trichlorofluoromethane	ug/L	<0.42	1.0	09/02/25 10:59	
Vinyl chloride	ug/L	<0.17	1.0	09/02/25 10:59	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	09/02/25 10:59	
4-Bromofluorobenzene (S)	%	98	70-130	09/02/25 10:59	
Toluene-d8 (S)	%	97	70-130	09/02/25 10:59	

LABORATORY CONTROL SAMPLE: 2938331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.0	112	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	42.6	85	70-130	
1,1,2-Trichloroethane	ug/L	50	45.0	90	70-130	
1,1-Dichloroethane	ug/L	50	57.6	115	70-130	
1,1-Dichloroethene	ug/L	50	51.2	102	66-130	
1,2,4-Trichlorobenzene	ug/L	50	51.9	104	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.0	94	66-130	
1,2-Dibromoethane (EDB)	ug/L	50	43.2	86	70-130	
1,2-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,2-Dichloroethane	ug/L	50	55.2	110	70-130	
1,2-Dichloropropane	ug/L	50	53.4	107	70-130	
1,3-Dichlorobenzene	ug/L	50	52.6	105	70-130	
1,4-Dichlorobenzene	ug/L	50	52.8	106	70-130	
Benzene	ug/L	50	52.3	105	70-130	

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QUALITY CONTROL DATA

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

LABORATORY CONTROL SAMPLE: 2938331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	53.1	106	70-130	
Bromoform	ug/L	50	39.3	79	61-130	
Bromomethane	ug/L	50	54.2	108	40-157	
Carbon tetrachloride	ug/L	50	60.5	121	70-139	
Chlorobenzene	ug/L	50	53.9	108	70-130	
Chloroethane	ug/L	50	57.0	114	61-145	
Chloroform	ug/L	50	54.2	108	70-130	
Chloromethane	ug/L	50	71.0	142	22-163 v1	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.4	103	70-130	
Dibromochloromethane	ug/L	50	43.1	86	70-130	
Dichlorodifluoromethane	ug/L	50	61.0	122	10-185	
Ethylbenzene	ug/L	50	52.4	105	70-130	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-134	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	41.2	82	62-130	
Methylene Chloride	ug/L	50	52.4	105	70-130	
o-Xylene	ug/L	50	52.6	105	70-130	
Styrene	ug/L	50	50.8	102	70-130	
Tetrachloroethene	ug/L	50	56.7	113	70-130	
Toluene	ug/L	50	52.2	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.8	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	40.7	81	70-130	
Trichloroethene	ug/L	50	55.6	111	70-130	
Trichlorofluoromethane	ug/L	50	61.3	123	70-149	
Vinyl chloride	ug/L	50	59.9	120	37-145	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2938332 2938333

Parameter	Units	40300884006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	57.6	58.3	115	117	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	44.6	47.3	89	95	70-130	6	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	45.9	47.0	92	94	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	56.3	57.5	113	115	70-130	2	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	55.0	56.4	110	113	65-131	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	53.8	55.4	108	111	63-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<0.36	50	50	49.5	50.2	99	100	65-130	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	43.8	44.1	88	88	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	53.8	57.0	108	114	70-130	6	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	54.5	56.9	109	114	70-131	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2938332				2938333									
Parameter	Units	40300884006	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
1,2-Dichloropropane	ug/L	<0.45	50	50	55.9	57.4	112	115	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	53.8	57.0	108	114	70-130	6	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	54.6	57.2	109	114	70-130	5	20		
Benzene	ug/L	<0.30	50	50	53.9	54.6	108	109	70-130	1	20		
Bromodichloromethane	ug/L	<0.21	50	50	55.2	56.7	110	113	70-130	3	20		
Bromoform	ug/L	<0.43	50	50	39.6	39.8	79	80	61-130	0	20		
Bromomethane	ug/L	<1.2	50	50	59.4	61.6	119	123	40-170	4	20		
Carbon tetrachloride	ug/L	<0.37	50	50	62.8	64.6	126	129	70-141	3	20		
Chlorobenzene	ug/L	<0.86	50	50	55.0	55.4	110	111	70-130	1	20		
Chloroethane	ug/L	<1.4	50	50	58.5	59.1	117	118	59-148	1	20		
Chloroform	ug/L	<0.50	50	50	54.7	55.9	109	112	70-130	2	20		
Chloromethane	ug/L	<1.6	50	50	74.2	77.0	146	152	19-170	4	20	v1	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	53.1	52.7	106	105	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	52.8	53.2	106	106	70-130	1	20		
Dibromochloromethane	ug/L	<2.6	50	50	43.7	43.8	87	88	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	62.6	63.2	125	126	10-190	1	20		
Ethylbenzene	ug/L	<0.33	50	50	54.4	55.0	109	110	70-130	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.9	55.1	110	110	70-137	0	20		
m&p-Xylene	ug/L	<0.70	100	100	111	113	111	113	70-130	2	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	43.8	44.5	88	89	62-130	2	20		
Methylene Chloride	ug/L	<0.32	50	50	55.2	56.6	110	113	70-133	3	20		
o-Xylene	ug/L	<0.35	50	50	54.2	54.9	108	110	70-130	1	20		
Styrene	ug/L	<0.36	50	50	53.5	54.0	107	108	70-130	1	20		
Tetrachloroethene	ug/L	<0.41	50	50	57.2	58.1	114	116	70-130	2	20		
Toluene	ug/L	<0.29	50	50	54.5	54.3	109	109	70-130	0	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	54.6	56.0	109	112	70-133	2	20		
trans-1,3-Dichloropropene	ug/L	<0.58	50	50	41.1	41.8	82	84	68-130	2	20		
Trichloroethene	ug/L	<0.32	50	50	56.1	57.2	112	114	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	62.1	65.4	124	131	65-153	5	20		
Vinyl chloride	ug/L	<0.17	50	50	61.2	62.6	122	125	37-150	2	20		
1,2-Dichlorobenzene-d4 (S)	%						101	104	70-130				
4-Bromofluorobenzene (S)	%						97	97	70-130				
Toluene-d8 (S)	%						99	99	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940108334 WAUSAU THOMAS ST
Pace Project No.: 40300884

QC Batch:	515056	Analysis Method:	EPA 8270E by SIM
QC Batch Method:	EPA 3510	Analysis Description:	8270E Water PAH
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008

METHOD BLANK: 2939207 Matrix: Water
Associated Lab Samples: 40300884001, 40300884002, 40300884003, 40300884004, 40300884005, 40300884006, 40300884007, 40300884008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	09/04/25 16:59	
2-Methylnaphthalene	ug/L	<0.014	0.050	09/04/25 16:59	
Acenaphthene	ug/L	<0.014	0.050	09/04/25 16:59	
Acenaphthylene	ug/L	<0.013	0.050	09/04/25 16:59	
Anthracene	ug/L	<0.018	0.050	09/04/25 16:59	
Benzo(a)anthracene	ug/L	<0.014	0.050	09/04/25 16:59	
Benzo(a)pyrene	ug/L	<0.013	0.050	09/04/25 16:59	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	09/04/25 16:59	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	09/04/25 16:59	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	09/04/25 16:59	
Chrysene	ug/L	<0.013	0.050	09/04/25 16:59	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	09/04/25 16:59	
Fluoranthene	ug/L	<0.026	0.050	09/04/25 16:59	
Fluorene	ug/L	<0.024	0.050	09/04/25 16:59	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	09/04/25 16:59	
Naphthalene	ug/L	<0.020	0.050	09/04/25 16:59	
Phenanthrene	ug/L	<0.026	0.050	09/04/25 16:59	
Pyrene	ug/L	<0.023	0.050	09/04/25 16:59	
2-Fluorobiphenyl (S)	%	62	33-123	09/04/25 16:59	
Terphenyl-d14 (S)	%	67	36-134	09/04/25 16:59	

LABORATORY CONTROL SAMPLE: 2939208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.7	86	52-120	
2-Methylnaphthalene	ug/L	2	1.6	79	50-120	
Acenaphthene	ug/L	2	1.7	86	56-120	
Acenaphthylene	ug/L	2	1.7	83	56-120	
Anthracene	ug/L	2	1.7	86	61-120	
Benzo(a)anthracene	ug/L	2	1.4	70	59-120	
Benzo(a)pyrene	ug/L	2	1.9	94	60-120	
Benzo(b)fluoranthene	ug/L	2	1.6	80	56-120	
Benzo(g,h,i)perylene	ug/L	2	1.6	81	57-120	
Benzo(k)fluoranthene	ug/L	2	1.8	91	61-120	
Chrysene	ug/L	2	2.0	98	62-125	
Dibenz(a,h)anthracene	ug/L	2	1.6	78	41-120	
Fluoranthene	ug/L	2	1.8	92	62-120	

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QUALITY CONTROL DATA

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

LABORATORY CONTROL SAMPLE: 2939208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/L	2	1.7	83	57-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	85	53-120	
Naphthalene	ug/L	2	1.7	83	46-120	
Phenanthrene	ug/L	2	1.6	80	63-120	
Pyrene	ug/L	2	1.7	87	52-120	
2-Fluorobiphenyl (S)	%			70	33-123	
Terphenyl-d14 (S)	%			77	36-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2939209 2939210

Parameter	Units	40300884006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	<0.019	2.1	2	1.7	1.5	79	77	10-153	8	34	
2-Methylnaphthalene	ug/L	<0.015	2.1	2	1.5	1.4	71	71	25-120	6	31	
Acenaphthene	ug/L	<0.015	2.1	2	1.7	1.6	82	82	22-128	4	28	
Acenaphthylene	ug/L	<0.013	2.1	2	1.6	1.6	78	79	38-120	3	31	
Anthracene	ug/L	<0.020	2.1	2	1.6	1.6	77	81	37-120	1	29	
Benzo(a)anthracene	ug/L	<0.014	2.1	2	1.3	1.2	62	60	18-120	10	25	
Benzo(a)pyrene	ug/L	<0.014	2.1	2	1.9	1.8	90	92	31-120	3	34	
Benzo(b)fluoranthene	ug/L	<0.0097	2.1	2	1.6	1.5	75	75	29-124	5	25	
Benzo(g,h,i)perylene	ug/L	<0.025	2.1	2	1.7	1.6	79	79	17-124	6	29	
Benzo(k)fluoranthene	ug/L	<0.024	2.1	2	2.0	1.8	95	90	34-127	11	28	
Chrysene	ug/L	<0.013	2.1	2	2.0	2.0	97	98	25-153	4	29	
Dibenz(a,h)anthracene	ug/L	<0.019	2.1	2	1.6	1.5	76	77	10-122	4	30	
Fluoranthene	ug/L	<0.028	2.1	2	1.7	1.7	80	87	39-129	3	30	
Fluorene	ug/L	<0.025	2.1	2	1.6	1.5	77	77	41-120	5	28	
Indeno(1,2,3-cd)pyrene	ug/L	<0.017	2.1	2	1.6	1.6	76	80	11-127	0	30	
Naphthalene	ug/L	<0.021	2.1	2	1.6	1.5	78	76	16-136	7	39	
Phenanthrene	ug/L	<0.027	2.1	2	1.6	1.5	75	74	39-120	6	28	
Pyrene	ug/L	<0.024	2.1	2	1.8	1.7	84	83	31-122	7	27	
2-Fluorobiphenyl (S)	%						73	69	33-123			
Terphenyl-d14 (S)	%						75	71	36-134			

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QUALIFIERS

Project: 1940108334 WAUSAU THOMAS ST
Pace Project No.: 40300884

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

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

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940108334 WAUSAU THOMAS ST

Pace Project No.: 40300884

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40300884001	TS-GW-TW-1	EPA 6010D	515187		
40300884002	TS-GW-TW-3	EPA 6010D	515187		
40300884003	TS-GW-TW-4	EPA 6010D	515187		
40300884004	DUP-1	EPA 6010D	515187		
40300884005	TS-GW-TW-5	EPA 6010D	515187		
40300884006	TS-GW-TW-6	EPA 6010D	515187		
40300884007	TS-GW-TW-7	EPA 6010D	515187		
40300884008	TS-GW-TW-8	EPA 6010D	515187		
40300884001	TS-GW-TW-1	EPA 7470	515777	EPA 7470	515834
40300884002	TS-GW-TW-3	EPA 7470	515777	EPA 7470	515834
40300884003	TS-GW-TW-4	EPA 7470	515777	EPA 7470	515834
40300884004	DUP-1	EPA 7470	515777	EPA 7470	515834
40300884005	TS-GW-TW-5	EPA 7470	515777	EPA 7470	515834
40300884006	TS-GW-TW-6	EPA 7470	515777	EPA 7470	515834
40300884007	TS-GW-TW-7	EPA 7470	515777	EPA 7470	515834
40300884008	TS-GW-TW-8	EPA 7470	515777	EPA 7470	515834
40300884001	TS-GW-TW-1	EPA 3510	515056	EPA 8270E by SIM	515102
40300884002	TS-GW-TW-3	EPA 3510	515056	EPA 8270E by SIM	515102
40300884003	TS-GW-TW-4	EPA 3510	515056	EPA 8270E by SIM	515102
40300884004	DUP-1	EPA 3510	515056	EPA 8270E by SIM	515102
40300884005	TS-GW-TW-5	EPA 3510	515056	EPA 8270E by SIM	515102
40300884006	TS-GW-TW-6	EPA 3510	515056	EPA 8270E by SIM	515102
40300884007	TS-GW-TW-7	EPA 3510	515056	EPA 8270E by SIM	515102
40300884008	TS-GW-TW-8	EPA 3510	515056	EPA 8270E by SIM	515102
40300884001	TS-GW-TW-1	EPA 8260	514804		
40300884002	TS-GW-TW-3	EPA 8260	514804		
40300884003	TS-GW-TW-4	EPA 8260	514804		
40300884004	DUP-1	EPA 8260	514804		
40300884005	TS-GW-TW-5	EPA 8260	514804		
40300884006	TS-GW-TW-6	EPA 8260	514804		
40300884007	TS-GW-TW-7	EPA 8260	514804		
40300884008	TS-GW-TW-8	EPA 8260	514804		
40300884009	TB-1	EPA 8260	514804		

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40300884

Eqd 8/28/25

ORIGINAL

Effective Date: 8/16/2022

Client Name:

Ramboll

Sample Preservation Receipt Form

Project #

46300884

All containers needing preservation have been checked and noted below:

☒ Yes☐ No☐ N/A

Lab Lot# of pH paper:

10 D3244

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

Initial when completed:

MM

Date/Time:

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

Effective Date: 3/3/2025

Sample Condition Upon Receipt Form (SCUR)

Client Name:

Ramboll

Project #:

WO#: 40300884

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Purple Mountain☐ Client ☐ Pace Other: _____

Tracking #:

See comments MCH 8/29/15Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ noCustody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noPacking Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used

SR - 148

Type of Ice:

Wet

Blue Dry None

☐ Meltwater Only

Cooler Temperature

Uncorr: 1.0/Corr: 1.0

Temp Blank Present:

☒ yes ☐ noBiological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:

Date: 8/29/15 /Initials: MCHLabeled By Initials: EL

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.
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:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☒ Yes ☐ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
Correct Type: <u>Pace Green Bay</u> , 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: <u>W</u>		
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:

3926 3645 19143926 3645 48673926 3649 8772MCH 8/29/15

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

Page 2 of 2

Report Prepared for:

Client Services
PACE Wisconsin
1241 Bellevue Street
Suite 9
Green Bay WI 54302

**REPORT OF
LABORATORY
ANALYSIS FOR
PCDD/PCDF**

Report Prepared Date:

September 30, 2025

Report Information:

Pace Project #: 10748077

Sample Receipt Date: 08/30/2025

Client Project #: 40300884 Ramboll US Consulting

Client Sub PO #: N/A

State Cert #: 999407970

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Isaac Johnson, your Pace Project Manager.

This report has been reviewed by:



September 30, 2025

Isaac Johnson, Project Manager

(612) 607-1700

(612) 607-6444 (fax)

isaac.johnson@pacelabs.com



Report of Laboratory Analysis

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

The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on eight samples submitted by a representative of Pace Analytical Services, LLC. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using USEPA Method 1613B. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations. Method blank and field sample results with reporting limits set to correspond to the lowest calibration points and adjusted for sample amount and dilution were provided in Appendix A.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 40-114%. All of the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Values were flagged "I" where incorrect isotope ratios were obtained or "P" where polychlorinated diphenyl ethers were present. Concentrations below the calibration range were flagged "J" and should be regarded as estimates. Concentrations above the calibration range were flagged "E" and should also be regarded as estimates. The 2,3,7,8-TCDF values reported for field samples that were obtained from second column confirmation analyses were flagged "C".

A laboratory method blank was prepared and analyzed with each sample batch as part of our routine quality control procedures. The results show the blanks to contain trace levels of selected congeners. These levels were below the calibration range of the method. Sample concentrations similar to the corresponding blank levels were flagged "B" on the results tables and may be, at least partially, attributed to the background.

Laboratory and matrix spike samples were also prepared using clean reference matrix or sample matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 84-114% with relative percent differences of 0.0-9.6%. These results were within the target ranges for the method. Matrix spikes were not prepared with the 09/04/25 extraction batch.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
 1700 Elm Street SE
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444
 www.pacelabs.com

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-DW	27700
Colorado	MN00064	North Carolina-WW	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (1700)	CL101
Idaho	MN00064	Ohio-VAP (1800)	CL110
Illinois	200011	Oklahoma	9507
Indiana	C-MN-01	Oregon-Primary	MN300001
Iowa	368	Oregon-Secondary	MN200001
Kansas	E-10167	Pennsylvania	68-00563
Kentucky-DW	90062	Puerto Rico	MN00064
Kentucky-WW	90062	South Carolina	74003
Louisiana-DEQ	AI-84596	Tennessee	TN02818
Louisiana-DW	MN00064	Texas	T104704192
Maine	MN00064	Utah	MN00064
Maryland	322	Vermont	VT-027053137
Michigan	9909	Virginia	460163
Minnesota	027-053-137	Washington	C486
Minnesota-Ag	via MN 027-053-137	West Virginia-DEP	382
Minnesota-Petrofund	1240	West Virginia-DW	9952C
Mississippi	MN00064	Wisconsin	999407970
		Wyoming-UST	via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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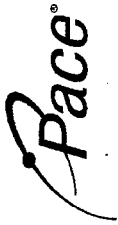
Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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Internal Transfer Chain of Custody



☐ Rush Multiplier ☒ X

State Of Origin: WI

☒ Samples Pre-Logged into eCOC

Cert. Needed: ☒ Yes ☐ No

Workorder: 40300884 Workorder Name: 1940108334 WAUSAU THOMAS ST

Owner Received Date: 8/29/2025 Results Requested By: 9/15/2025

Report To: Subcontract To: Requested Analysis

Brian Basten
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Phone (920)469-2436

Pace Analytical Minnesota
1700 Elm Street SE
Suite 200
Minneapolis, MN 55414
Phone (612)607-1700

WO#: 10748077



10748077

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		1613 Dioxins/Furans Full List	LAB USE ONLY									
						Unpreserved	Preserved											
1	TS-GW-TW-1	PS	8/28/2025 08:22	40300884001	Water	2		X										001
2	TS-GW-TW-3	PS	8/28/2025 09:18	40300884002	Water	2		X										002
3	TS-GW-TW-4	PS	8/28/2025 10:06	40300884003	Water	2		X										003
4	DUP-1	PS	8/28/2025 10:11	40300884004	Water	1		X										004
5	TS-GW-TW-5	PS	8/28/2025 10:53	40300884005	Water	2		X										005
6	TS-GW-TW-6	RQS	8/28/2025 11:41	40300884006	Water	3		X										006
7	TS-GW-TW-7	PS	8/28/2025 12:33	40300884007	Water	2		X										007
8	TS-GW-TW-8	PS	8/28/2025 13:23	40300884008	Water	2		X										008

Transfers Released By: Received By: Date/Time: Comments:

1	Shane K. Kram	8/28/2025 10:53	Shane K. Kram	8/28/2025 12:33
2				
3				

Cooler Temperature on Receipt 3.4 °C Custody Seal (Y) or (N) Received on Ice (Y) or (N) Samples Intact (Y) or (N)

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Preservation Receipt Form
Project # 46300884

Client Name: Rambell
All containers needing preservation have been checked and noted below:

Yes ☒ No ☐ N/A
Lab Lot# of pH paper: 46 D3244 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MM Date/Time: MM

Pace Lab #	Glass				Plastic				Vials				Jars			General			VOA Vials (>5mm) *	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	JG9U	WG9U
001	2				2						1																2.5/5	
002	2										1																2.5/5	
003	2				2						1																2.5/5	
004	2				2						1																2.5/5	
005	2				2						1																2.5/5	
006	3				2						3																2.5/5	
007	2				2						1																2.5/5	
008	2				2						1																2.5/5	
009																												2.5/5
010																												2.5/5
011																												2.5/5
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013																												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

Exceptions to preservation check: VOA, Caliform, TOC, TOX, 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	JG9U	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	WG9U	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	

Sample Condition Upon Receipt Form (SCUR)

Client Name:

Ramboll

Project #:

WO#: 40300884

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Purple Mountain

☐ Client ☐ Pace Other: _____

Tracking #:

See comments MCH 8/29/25



40300884

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 - 148 Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.0 / Corr: 1.0

Temp Blank Present: ☒ yes ☐ no

Biological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:

Date: 8/29/25 / Initials: MCH

Labeled By Initials: _____

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.
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:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☒ Yes ☐ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
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: <u>W</u>		
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:

3926 3645 1914

3926 3645 4817

3926 3649 8772

MCH 8/29/25

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

Page 2 of 2

ENV-FRM-MIN4-0150 v19 Sample Condition Upon Receipt

Person Examining & Date: LOJ 8/30/25

PROJECT #:

WO#: 10748077

PM: IJJ

Due Date: 09/23/25

CLIENT: PASI-WI

Client Name: Pace GB

Custody Seal Present: ☒ YES ☐ NO

Seals Intact: ☒ YES ☐ NO

Tracking Number: 486251

☐ See Exceptions form ENV-FRM-MIN4-0142.

Courier: ☐ Client

☒ Commercial

☐ FedEx

☐ Pace Courier/Field

☐ Speedee

☐ UPS

☐ USPS

Packing Material: ☒ Bubble Bags

☒ Bubble Wrap

☐ None

☐ Other: _____

Biological Tissue Frozen: ☐ YES ☒ NO

Thermometer: ☐ T1 (0461)

☒ T2 (0431)

☐ T3 (0459)

☐ T4 (0402)

Type of Ice: ☐ Blue

☐ Dry

☒ Wet

☐ Melted

☐ None

☐ T5 (0187)

☒ T6 (0396)

☐ T7 (0377)

☐ T8 (0775)

☐ T9 (0428)

☐ 01339252 (0710)

Temp Blank: ☒ YES ☐ NO

NOTE: Temp should be $\leq 6^{\circ}\text{C}$, but above freezing.

Read Temp w/Temp Blank: 3.3 $^{\circ}\text{C}$

Correction Factor: +0.1

Corrected Temp w/Temp Blank: 3.4 $^{\circ}\text{C}$

Did Samples Originate in West Virginia: ☐ YES ☒ NO (list temps on exception)

Were All Container Temps Taken: ☐ YES ☒ NO ☒ N/A

Average Corrected Temp (No Temp Blank Only): _____

☐ See Exceptions form ENV-FRM-MIN4-0142.

☐ 1 Container

USDA Regulated Soil: ☒ N/A (Water Sample/Other (describe): _____)

Did Samples originate from one of the following states (check maps): ☐ YES ☐ NO

Are samples from a foreign source (international, including Hawaii

Circle State: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, VA

and Puerto Rico): ☐ YES ☐ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☒ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? (i.e., Analysis/ID/Date/Time)	☒	☐	☐	1.
Chain of Custody Relinquished?	☒	☐	☐	2.
Sampler Name and/or Signature on COC?	☐	☐	☒	3.
Samples Arrived within Hold Time?	☒	☐	☐	4.
If Fecal: ☐ <8 hrs ☐ >8 hr but <24 hr ☐ >24 hr	☒	☐	☐	
Short Hold Time Analysis (<72 hr)?	☐	☒	☐	5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Turbidity ☐ Other: _____
Rush Turn Around Time Requested?	☐	☒	☐	6. ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day Due Date: _____
Sufficient Sample Volume? (If NO, list approximate volume in section 7.)	☒	☐	☐	7.
Correct Containers Used?	☒	☐	☐	8.
– Pace Containers Used?	☒	☐	☐	
Containers Intact?	☒	☐	☐	9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10.
ID/Date/Time Match? (If NO, fill out section 11.)	☒	☐	☐	11.
Matrix: ☐ Oil ☐ Soil ☒ Water ☐ Other	☒	☐	☐	☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☒	12.
Sample #:				
☐ HNO3	☐ H2SO4	☐ NaOH	☐ Zinc Acetate	
pH Paper Lot #:				
☐ Residual Chlorine	☐ 0-6 Roll	☐ 0-6 Strip	☐ 0-14 Strip	
Positive for Residual Chlorine (NaOH containers only): ☐ YES ☐ NO				
Preserved containers in compliance with EPA recommendations? (HNO3, H2SO4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0142
EXCEPTIONS (water only): VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐	☐	☒	
Extra labels present on soil VOA or WIDRO containers? (soil only)	☐	☐	☒	13.
Headspace in Methyl Mercury Container?	☐	☐	☒	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☐	☐	☒	15.
Trip Blank Custody Seals Present?	☐	☐	☒	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION / RESOLUTION:

Labeled By: LOJ

Line: 5

Person Contacted & Date/Time: _____

PM Review & Date: Isaac Johnson 9/2/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office.

Qualtrax ID: 52742

Effective Date: 03/04/25

Page 1 of 1

Pace® Analytical Services, LLC (PAS)

Page 55 of 84

Report No.....10748077_1613BFC_L2_dfr

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-1		
Lab Sample ID	40300884001		
Filename	L250906B_04		
Injected By	AH5		
Total Amount Extracted	974 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 08:22
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250906B_01	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/06/2025 22:19

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	10	2,3,7,8-TCDF-13C	2.00	100
Total TCDF	66	----	10	2,3,7,8-TCDD-13C	2.00	88
				1,2,3,7,8-PeCDF-13C	2.00	94
2,3,7,8-TCDD	ND	----	10	2,3,4,7,8-PeCDF-13C	2.00	99
Total TCDD	ND	----	10	1,2,3,7,8-PeCDD-13C	2.00	104
				1,2,3,4,7,8-HxCDF-13C	2.00	103
1,2,3,7,8-PeCDF	ND	----	51	1,2,3,6,7,8-HxCDF-13C	2.00	112
2,3,4,7,8-PeCDF	110	----	51	2,3,4,6,7,8-HxCDF-13C	2.00	106
Total PeCDF	660	----	51	1,2,3,7,8,9-HxCDF-13C	2.00	99
				1,2,3,4,7,8-HxCDD-13C	2.00	88
1,2,3,7,8-PeCDD	ND	----	51	1,2,3,6,7,8-HxCDD-13C	2.00	114
Total PeCDD	ND	----	51	1,2,3,4,6,7,8-HpCDF-13C	2.00	95
				1,2,3,4,7,8,9-HpCDF-13C	2.00	96
1,2,3,4,7,8-HxCDF	750	----	51	1,2,3,4,6,7,8-HpCDD-13C	2.00	101
1,2,3,6,7,8-HxCDF	-----	130	51	OCDD-13C	4.00	79
2,3,4,6,7,8-HxCDF	170	----	51			
1,2,3,7,8,9-HxCDF	97	----	51	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	3000	----	51	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	51	2,3,7,8-TCDD-37Cl4	0.20	88
1,2,3,6,7,8-HxCDD	930	----	51			
1,2,3,7,8,9-HxCDD	170	----	51			
Total HxCDD	3800	----	51			
1,2,3,4,6,7,8-HpCDF	8100	----	51	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	440	----	51	Equivalence: 860 pg/L		
Total HpCDF	8600	----	51	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	37000	----	51	E		
Total HpCDD	62000	----	51	E		
OCDF	53000	----	100	E		
OCDD	410000	----	100	E		

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

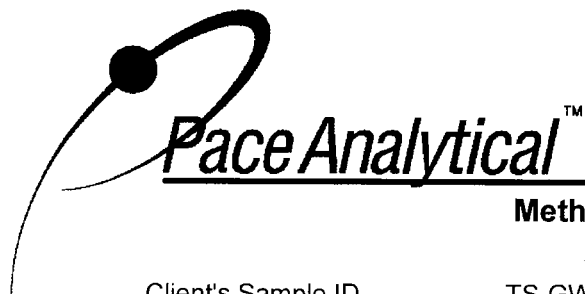
P = PCDE Interference
E = Exceeds calibration range

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Report No.....10748077
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-3		
Lab Sample ID	40300884002		
Filename	L250906B_07		
Injected By	AH5		
Total Amount Extracted	975 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 09:18
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250906B_01	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/07/2025 00:39

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	10	2,3,7,8-TCDF-13C	2.00	96
Total TCDF	14	----	10	2,3,7,8-TCDD-13C	2.00	87
				1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	----	10	2,3,4,7,8-PeCDF-13C	2.00	93
Total TCDD	ND	----	10	1,2,3,7,8-PeCDD-13C	2.00	100
				1,2,3,4,7,8-HxCDF-13C	2.00	94
1,2,3,7,8-PeCDF	ND	----	51	1,2,3,6,7,8-HxCDF-13C	2.00	105
2,3,4,7,8-PeCDF	ND	----	51	2,3,4,6,7,8-HxCDF-13C	2.00	99
Total PeCDF	ND	----	51	1,2,3,7,8,9-HxCDF-13C	2.00	93
				1,2,3,4,7,8-HxCDD-13C	2.00	79
1,2,3,7,8-PeCDD	ND	----	51	1,2,3,6,7,8-HxCDD-13C	2.00	105
Total PeCDD	ND	----	51	1,2,3,4,6,7,8-HpCDF-13C	2.00	82
				1,2,3,4,7,8,9-HpCDF-13C	2.00	80
1,2,3,4,7,8-HxCDF	85	----	51	1,2,3,4,6,7,8-HpCDD-13C	2.00	81
1,2,3,6,7,8-HxCDF	ND	----	51	OCDD-13C	4.00	60
2,3,4,6,7,8-HxCDF	ND	----	51			
1,2,3,7,8,9-HxCDF	ND	----	51	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	380	----	51	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	51	2,3,7,8-TCDD-37Cl4	0.20	86
1,2,3,6,7,8-HxCDD	120	----	51			
1,2,3,7,8,9-HxCDD	ND	----	51			
Total HxCDD	480	----	51			
1,2,3,4,6,7,8-HpCDF	1300	----	51	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	80	----	51	Equivalence: 120 pg/L		
Total HpCDF	1300	----	51	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	5900	----	51			
Total HpCDD	9700	----	51			
OCDF	8500	----	100			
OCDD	74000	----	100 E			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

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ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-4		
Lab Sample ID	40300884003		
Filename	L250906B_08		
Injected By	AH5		
Total Amount Extracted	915 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 10:06
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250906B_01	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/07/2025 01:25

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	28	----	11 C	2,3,7,8-TCDF-13C	2.00	68
Total TCDF	160	----	11	2,3,7,8-TCDD-13C	2.00	57
				1,2,3,7,8-PeCDF-13C	2.00	54
2,3,7,8-TCDD	ND	----	11	2,3,4,7,8-PeCDF-13C	2.00	59
Total TCDD	ND	----	11	1,2,3,7,8-PeCDD-13C	2.00	63
				1,2,3,4,7,8-HxCDF-13C	2.00	57
1,2,3,7,8-PeCDF	ND	----	55	1,2,3,6,7,8-HxCDF-13C	2.00	64
2,3,4,7,8-PeCDF	210	----	55	2,3,4,6,7,8-HxCDF-13C	2.00	66
Total PeCDF	1400	----	55	1,2,3,7,8,9-HxCDF-13C	2.00	59
				1,2,3,4,7,8-HxCDD-13C	2.00	52
1,2,3,7,8-PeCDD	ND	----	55	1,2,3,6,7,8-HxCDD-13C	2.00	65
Total PeCDD	ND	----	55	1,2,3,4,6,7,8-HpCDF-13C	2.00	52
				1,2,3,4,7,8,9-HpCDF-13C	2.00	50
1,2,3,4,7,8-HxCDF	1100	----	55	1,2,3,4,6,7,8-HpCDD-13C	2.00	55
1,2,3,6,7,8-HxCDF	280	----	55	OCDD-13C	4.00	40
2,3,4,6,7,8-HxCDF	340	----	55			
1,2,3,7,8,9-HxCDF	240	----	55	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	6600	----	55	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	55	2,3,7,8-TCDD-37Cl4	0.20	93
1,2,3,6,7,8-HxCDD	1600	----	55			
1,2,3,7,8,9-HxCDD	210	----	55			
Total HxCDD	5500	----	55			
1,2,3,4,6,7,8-HpCDF	19000	----	55	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	990	----	55	Equivalence: 1600 pg/L		
Total HpCDF	20000	----	55	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	65000	----	55 E			
Total HpCDD	110000	----	55 E			
OCDF	130000	----	110 E			
OCDD	830000	----	110 E			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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ND = Not Detected
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NC = Not Calculated

E = Exceeds calibration range
C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	DUP-1		
Lab Sample ID	40300884004		
Filename	L250906B_03		
Injected By	AH5		
Total Amount Extracted	957 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 10:11
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250906B_01	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/06/2025 21:33

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	34	----	10	C	2,3,7,8-TCDF-13C	2.00	71
Total TCDF	250	----	10		2,3,7,8-TCDD-13C	2.00	62
					1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	ND	----	10		2,3,4,7,8-PeCDF-13C	2.00	65
Total TCDD	11	----	10		1,2,3,7,8-PeCDD-13C	2.00	71
					1,2,3,4,7,8-HxCDF-13C	2.00	68
1,2,3,7,8-PeCDF	ND	----	52		1,2,3,6,7,8-HxCDF-13C	2.00	77
2,3,4,7,8-PeCDF	270	----	52		2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	1700	----	52		1,2,3,7,8,9-HxCDF-13C	2.00	68
					1,2,3,4,7,8-HxCDD-13C	2.00	60
1,2,3,7,8-PeCDD	ND	----	52		1,2,3,6,7,8-HxCDD-13C	2.00	78
Total PeCDD	ND	----	52		1,2,3,4,6,7,8-HpCDF-13C	2.00	66
					1,2,3,4,7,8,9-HpCDF-13C	2.00	65
1,2,3,4,7,8-HxCDF	1300	----	52		1,2,3,4,6,7,8-HpCDD-13C	2.00	70
1,2,3,6,7,8-HxCDF	----	380	52	P	OCDD-13C	4.00	55
2,3,4,6,7,8-HxCDF	470	----	52				
1,2,3,7,8,9-HxCDF	280	----	52		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	7600	----	52		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	92	----	52		2,3,7,8-TCDD-37Cl4	0.20	91
1,2,3,6,7,8-HxCDD	1800	----	52				
1,2,3,7,8,9-HxCDD	330	----	52				
Total HxCDD	6900	----	52				
1,2,3,4,6,7,8-HpCDF	21000	----	52		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	1300	----	52		Equivalence: 1900 pg/L		
Total HpCDF	22000	----	52		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	77000	----	52	E			
Total HpCDD	130000	----	52	E			
OCDF	140000	----	100	E			
OCDD	990000	----	100	E			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

P = PCDE Interference
E = Exceeds calibration range
C = Result obtained from confirmation analysis

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NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-5		
Lab Sample ID	40300884005		
Filename	L250909A_07		
Injected By	SMT		
Total Amount Extracted	952 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 10:53
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250909A_01	Extracted	09/04/2025 16:41
Method Blank ID	BLANK-121036	Analyzed	09/09/2025 12:07

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	11	2,3,7,8-TCDF-13C	2.00	82
Total TCDF	ND	----	11	2,3,7,8-TCDD-13C	2.00	73
				1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	----	11	2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	ND	----	11	1,2,3,7,8-PeCDD-13C	2.00	92
				1,2,3,4,7,8-HxCDF-13C	2.00	77
1,2,3,7,8-PeCDF	ND	----	53	1,2,3,6,7,8-HxCDF-13C	2.00	77
2,3,4,7,8-PeCDF	ND	----	53	2,3,4,6,7,8-HxCDF-13C	2.00	79
Total PeCDF	ND	----	53	1,2,3,7,8,9-HxCDF-13C	2.00	81
				1,2,3,4,7,8-HxCDD-13C	2.00	68
1,2,3,7,8-PeCDD	ND	----	53	1,2,3,6,7,8-HxCDD-13C	2.00	83
Total PeCDD	ND	----	53	1,2,3,4,6,7,8-HpCDF-13C	2.00	77
				1,2,3,4,7,8,9-HpCDF-13C	2.00	92
1,2,3,4,7,8-HxCDF	ND	----	53	1,2,3,4,6,7,8-HpCDD-13C	2.00	85
1,2,3,6,7,8-HxCDF	ND	----	53	OCDD-13C	4.00	87
2,3,4,6,7,8-HxCDF	ND	----	53			
1,2,3,7,8,9-HxCDF	ND	----	53	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	53	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	53	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	ND	----	53			
1,2,3,7,8,9-HxCDD	ND	----	53			
Total HxCDD	ND	----	53			
1,2,3,4,6,7,8-HpCDF	ND	----	53	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	53	Equivalence: 0.00 pg/L		
Total HpCDF	ND	----	53	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	53			
Total HpCDD	ND	----	53			
OCDF	ND	----	110			
OCDD	ND	----	110			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-6		
Lab Sample ID	40300884006		
Filename	U250905A_14		
Injected By	AH5		
Total Amount Extracted	980 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 11:41
ICAL ID	U250825	Received	08/30/2025 12:35
CCal Filename(s)	U250905A_02	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/05/2025 18:33

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	10	2,3,7,8-TCDF-13C	2.00	89
Total TCDF	ND	----	10	2,3,7,8-TCDD-13C	2.00	84
				1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	----	10	2,3,4,7,8-PeCDF-13C	2.00	91
Total TCDD	ND	----	10	1,2,3,7,8-PeCDD-13C	2.00	102
				1,2,3,4,7,8-HxCDF-13C	2.00	109
1,2,3,7,8-PeCDF	ND	----	51	1,2,3,6,7,8-HxCDF-13C	2.00	102
2,3,4,7,8-PeCDF	ND	----	51	2,3,4,6,7,8-HxCDF-13C	2.00	97
Total PeCDF	ND	----	51	1,2,3,7,8,9-HxCDF-13C	2.00	99
				1,2,3,4,7,8-HxCDD-13C	2.00	87
1,2,3,7,8-PeCDD	ND	----	51	1,2,3,6,7,8-HxCDD-13C	2.00	98
Total PeCDD	ND	----	51	1,2,3,4,6,7,8-HpCDF-13C	2.00	100
				1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	ND	----	51	1,2,3,4,6,7,8-HpCDD-13C	2.00	104
1,2,3,6,7,8-HxCDF	ND	----	51	OCDD-13C	4.00	73
2,3,4,6,7,8-HxCDF	ND	----	51			
1,2,3,7,8,9-HxCDF	ND	----	51	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	51	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	51	2,3,7,8-TCDD-37Cl4	0.20	87
1,2,3,6,7,8-HxCDD	ND	----	51			
1,2,3,7,8,9-HxCDD	ND	----	51			
Total HxCDD	ND	----	51			
1,2,3,4,6,7,8-HpCDF	ND	----	51	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	51	Equivalence: 0.00 pg/L		
Total HpCDF	ND	----	51	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	51			
Total HpCDD	ND	----	51			
OCDF	ND	----	100			
OCDD	ND	----	100			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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ND = Not Detected
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-7		
Lab Sample ID	40300884007		
Filename	L250909A_08		
Injected By	SMT		
Total Amount Extracted	981 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 12:33
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250909A_01	Extracted	09/04/2025 16:41
Method Blank ID	BLANK-121036	Analyzed	09/09/2025 12:53

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	10	2,3,7,8-TCDF-13C	2.00	87
Total TCDF	ND	----	10	2,3,7,8-TCDD-13C	2.00	79
				1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	----	10	2,3,4,7,8-PeCDF-13C	2.00	90
Total TCDD	ND	----	10	1,2,3,7,8-PeCDD-13C	2.00	98
				1,2,3,4,7,8-HxCDF-13C	2.00	96
1,2,3,7,8-PeCDF	ND	----	51	1,2,3,6,7,8-HxCDF-13C	2.00	91
2,3,4,7,8-PeCDF	ND	----	51	2,3,4,6,7,8-HxCDF-13C	2.00	92
Total PeCDF	ND	----	51	1,2,3,7,8,9-HxCDF-13C	2.00	92
				1,2,3,4,7,8-HxCDD-13C	2.00	82
1,2,3,7,8-PeCDD	ND	----	51	1,2,3,6,7,8-HxCDD-13C	2.00	92
Total PeCDD	ND	----	51	1,2,3,4,6,7,8-HpCDF-13C	2.00	89
				1,2,3,4,7,8,9-HpCDF-13C	2.00	97
1,2,3,4,7,8-HxCDF	ND	----	51	1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	ND	----	51	OCDD-13C	4.00	89
2,3,4,6,7,8-HxCDF	ND	----	51			
1,2,3,7,8,9-HxCDF	ND	----	51	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	51	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	51	2,3,7,8-TCDD-37Cl4	0.20	76
1,2,3,6,7,8-HxCDD	ND	----	51			
1,2,3,7,8,9-HxCDD	ND	----	51			
Total HxCDD	ND	----	51			
1,2,3,4,6,7,8-HpCDF	ND	----	51	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	51	Equivalence: 0.00 pg/L		
Total HpCDF	ND	----	51	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	51			
Total HpCDD	ND	----	51			
OCDF	ND	----	100			
OCDD	ND	----	100			

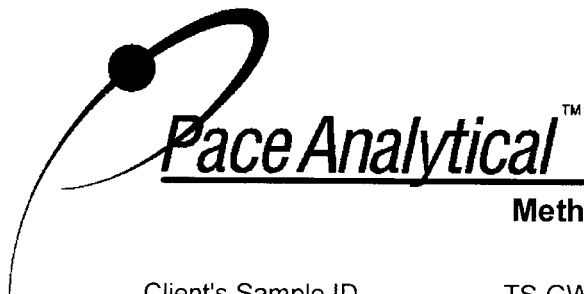
Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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ND = Not Detected
NA = Not Applicable
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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-8	Matrix	WATER
Lab Sample ID	40300884008	Dilution	NA
Filename	L250909A_09	Collected	08/28/2025 13:23
Injected By	SMT	Received	08/30/2025 12:35
Total Amount Extracted	965 mL	Extracted	09/04/2025 16:41
% Moisture	NA	Analyzed	09/09/2025 13:40
Dry Weight Extracted	NA		
ICAL ID	L250710		
CCal Filename(s)	L250909A_01		
Method Blank ID	BLANK-121036		

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	10	2,3,7,8-TCDF-13C	2.00	92
Total TCDF	ND	----	10	2,3,7,8-TCDD-13C	2.00	82
				1,2,3,7,8-PeCDF-13C	2.00	91
2,3,7,8-TCDD	ND	----	10	2,3,4,7,8-PeCDF-13C	2.00	94
Total TCDD	ND	----	10	1,2,3,7,8-PeCDD-13C	2.00	104
				1,2,3,4,7,8-HxCDF-13C	2.00	95
1,2,3,7,8-PeCDF	ND	----	52	1,2,3,6,7,8-HxCDF-13C	2.00	90
2,3,4,7,8-PeCDF	ND	----	52	2,3,4,6,7,8-HxCDF-13C	2.00	91
Total PeCDF	ND	----	52	1,2,3,7,8,9-HxCDF-13C	2.00	95
				1,2,3,4,7,8-HxCDD-13C	2.00	79
1,2,3,7,8-PeCDD	ND	----	52	1,2,3,6,7,8-HxCDD-13C	2.00	97
Total PeCDD	ND	----	52	1,2,3,4,6,7,8-HpCDF-13C	2.00	89
				1,2,3,4,7,8,9-HpCDF-13C	2.00	101
1,2,3,4,7,8-HxCDF	ND	----	52	1,2,3,4,6,7,8-HpCDD-13C	2.00	93
1,2,3,6,7,8-HxCDF	ND	----	52	OCDD-13C	4.00	91
2,3,4,6,7,8-HxCDF	ND	----	52			
1,2,3,7,8,9-HxCDF	ND	----	52	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	52	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	52	2,3,7,8-TCDD-37Cl4	0.20	80
1,2,3,6,7,8-HxCDD	ND	----	52			
1,2,3,7,8,9-HxCDD	ND	----	52			
Total HxCDD	ND	----	52			
1,2,3,4,6,7,8-HpCDF	ND	----	52	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	52	Equivalence: 0.00 pg/L		
Total HpCDF	ND	----	52	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	52			
Total HpCDD	ND	----	52			
OCDF	ND	----	100			
OCDD	ND	----	100			

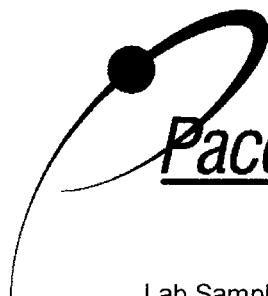
Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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Pace AnalyticalTM

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKPE	Matrix	Water
Lab Sample ID	BLANK-121012	Dilution	NA
Filename	U250905A_11	Extracted	09/03/2025 11:33
Total Amount Extracted	978 mL	Analyzed	09/05/2025 16:10
ICAL ID	U250825	Injected By	AH5
CCal Filename(s)	U250905A_02		

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	10	2,3,7,8-TCDF-13C	2.00	84
Total TCDF	ND	----	10	2,3,7,8-TCDD-13C	2.00	81
				1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	----	10	2,3,4,7,8-PeCDF-13C	2.00	88
Total TCDD	ND	----	10	1,2,3,7,8-PeCDD-13C	2.00	98
				1,2,3,4,7,8-HxCDF-13C	2.00	102
1,2,3,7,8-PeCDF	ND	----	51	1,2,3,6,7,8-HxCDF-13C	2.00	95
2,3,4,7,8-PeCDF	ND	----	51	2,3,4,6,7,8-HxCDF-13C	2.00	96
Total PeCDF	ND	----	51	1,2,3,7,8,9-HxCDF-13C	2.00	97
				1,2,3,4,7,8-HxCDD-13C	2.00	91
1,2,3,7,8-PeCDD	ND	----	51	1,2,3,6,7,8-HxCDD-13C	2.00	97
Total PeCDD	ND	----	51	1,2,3,4,6,7,8-HpCDF-13C	2.00	100
				1,2,3,4,7,8,9-HpCDF-13C	2.00	95
1,2,3,4,7,8-HxCDF	ND	----	51	1,2,3,4,6,7,8-HpCDD-13C	2.00	104
1,2,3,6,7,8-HxCDF	ND	----	51	OCDD-13C	4.00	84
2,3,4,6,7,8-HxCDF	ND	----	51			
1,2,3,7,8,9-HxCDF	ND	----	51	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	51	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	51	2,3,7,8-TCDD-37Cl4	0.20	75
1,2,3,6,7,8-HxCDD	ND	----	51			
1,2,3,7,8,9-HxCDD	ND	----	51			
Total HxCDD	ND	----	51			
1,2,3,4,6,7,8-HpCDF	ND	----	51	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	51	Equivalence: 0.00 pg/L		
Total HpCDF	ND	----	51	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	51			
Total HpCDD	ND	----	51			
OCDF	ND	----	100			
OCDD	ND	----	100			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

RL = Reporting Limit

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKPN	Matrix	Water
Lab Sample ID	BLANK-121036	Dilution	NA
Filename	U250910A_15	Extracted	09/04/2025 16:41
Total Amount Extracted	989 mL	Analyzed	09/10/2025 19:22
ICAL ID	U250825	Injected By	SMT
CCal Filename(s)	U250910A_02		

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	10	2,3,7,8-TCDF-13C	2.00	92
Total TCDF	ND	----	10	2,3,7,8-TCDD-13C	2.00	86
				1,2,3,7,8-PeCDF-13C	2.00	95
2,3,7,8-TCDD	ND	----	10	2,3,4,7,8-PeCDF-13C	2.00	99
Total TCDD	ND	----	10	1,2,3,7,8-PeCDD-13C	2.00	106
				1,2,3,4,7,8-HxCDF-13C	2.00	104
1,2,3,7,8-PeCDF	ND	----	51	1,2,3,6,7,8-HxCDF-13C	2.00	98
2,3,4,7,8-PeCDF	ND	----	51	2,3,4,6,7,8-HxCDF-13C	2.00	100
Total PeCDF	ND	----	51	1,2,3,7,8,9-HxCDF-13C	2.00	97
				1,2,3,4,7,8-HxCDD-13C	2.00	87
1,2,3,7,8-PeCDD	ND	----	51	1,2,3,6,7,8-HxCDD-13C	2.00	95
Total PeCDD	ND	----	51	1,2,3,4,6,7,8-HpCDF-13C	2.00	101
				1,2,3,4,7,8,9-HpCDF-13C	2.00	52
1,2,3,4,7,8-HxCDF	ND	----	51	1,2,3,4,6,7,8-HpCDD-13C	2.00	101
1,2,3,6,7,8-HxCDF	ND	----	51	OCDD-13C	4.00	73
2,3,4,6,7,8-HxCDF	ND	----	51			
1,2,3,7,8,9-HxCDF	ND	----	51	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	51	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	51	2,3,7,8-TCDD-37Cl4	0.20	82
1,2,3,6,7,8-HxCDD	ND	----	51			
1,2,3,7,8,9-HxCDD	ND	----	51			
Total HxCDD	ND	----	51			
1,2,3,4,6,7,8-HpCDF	ND	----	51	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	51	Equivalence: 0.00 pg/L		
Total HpCDF	ND	----	51	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	51			
Total HpCDD	ND	----	51			
OCDF	ND	----	100			
OCDD	ND	----	100			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- H2 = Extracted outside of holding time
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs

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Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-1		
Lab Sample ID	40300884001		
Filename	L250906B_04		
Injected By	AH5		
Total Amount Extracted	974 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 08:22
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250906B_01	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/06/2025 22:19

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	9.3	—	2.3	J	2,3,7,8-TCDF-13C	2.00	100
Total TCDF	93	—	2.3		2,3,7,8-TCDD-13C	2.00	88
					1,2,3,7,8-PeCDF-13C	2.00	94
2,3,7,8-TCDD	ND	—	1.6		2,3,4,7,8-PeCDF-13C	2.00	99
Total TCDD	7.5	—	1.6	J	1,2,3,7,8-PeCDD-13C	2.00	104
					1,2,3,4,7,8-HxCDF-13C	2.00	103
1,2,3,7,8-PeCDF	17	—	2.2	J	1,2,3,6,7,8-HxCDF-13C	2.00	112
2,3,4,7,8-PeCDF	110	—	1.6		2,3,4,6,7,8-HxCDF-13C	2.00	106
Total PeCDF	740	—	2.2		1,2,3,7,8,9-HxCDF-13C	2.00	99
					1,2,3,4,7,8-HxCDD-13C	2.00	88
1,2,3,7,8-PeCDD	2.9	—	0.76	J	1,2,3,6,7,8-HxCDD-13C	2.00	114
Total PeCDD	16	—	0.76	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	95
					1,2,3,4,7,8,9-HpCDF-13C	2.00	96
1,2,3,4,7,8-HxCDF	750	—	12		1,2,3,4,6,7,8-HpCDD-13C	2.00	101
1,2,3,6,7,8-HxCDF	—	130	12	P	OCDD-13C	4.00	79
2,3,4,6,7,8-HxCDF	170	—	12				
1,2,3,7,8,9-HxCDF	97	—	18		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	3000	—	18		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	18	—	1.7	BJ	2,3,7,8-TCDD-37Cl4	0.20	88
1,2,3,6,7,8-HxCDD	930	—	1.4				
1,2,3,7,8,9-HxCDD	170	—	1.5				
Total HxCDD	3800	—	1.7				
1,2,3,4,6,7,8-HpCDF	8100	—	24		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	440	—	37		Equivalence: 860 pg/L		
Total HpCDF	8600	—	37		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	37000	—	3.6	E			
Total HpCDD	62000	—	3.6	E			
OCDF	53000	—	17	E			
OCDD	410000	—	49	E			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

J = Estimated value

B = Less than 10x higher than method blank level

P = PCDE Interference

E = Exceeds calibration range

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-3		
Lab Sample ID	40300884002		
Filename	L250906B_07		
Injected By	AH5		
Total Amount Extracted	975 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 09:18
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250906B_01	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/07/2025 00:39

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	1.5		2,3,7,8-TCDF-13C	2.00	96
Total TCDF	14	—	1.5		2,3,7,8-TCDD-13C	2.00	87
					1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	—	1.1		2,3,4,7,8-PeCDF-13C	2.00	93
Total TCDD	ND	—	1.1		1,2,3,7,8-PeCDD-13C	2.00	100
					1,2,3,4,7,8-HxCDF-13C	2.00	94
1,2,3,7,8-PeCDF	ND	—	0.73		1,2,3,6,7,8-HxCDF-13C	2.00	105
2,3,4,7,8-PeCDF	15	—	0.53	J	2,3,4,6,7,8-HxCDF-13C	2.00	99
Total PeCDF	89	—	0.73		1,2,3,7,8,9-HxCDF-13C	2.00	93
					1,2,3,4,7,8-HxCDD-13C	2.00	79
1,2,3,7,8-PeCDD	ND	—	0.68		1,2,3,6,7,8-HxCDD-13C	2.00	105
Total PeCDD	ND	—	0.68		1,2,3,4,6,7,8-HpCDF-13C	2.00	82
					1,2,3,4,7,8,9-HpCDF-13C	2.00	80
1,2,3,4,7,8-HxCDF	85	—	3.6		1,2,3,4,6,7,8-HpCDD-13C	2.00	81
1,2,3,6,7,8-HxCDF	—	18	3.0	JI	OCDD-13C	4.00	60
2,3,4,6,7,8-HxCDF	27	—	3.1	J			
1,2,3,7,8,9-HxCDF	18	—	4.6	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	430	—	4.6		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	5.9	—	0.85	BJ	2,3,7,8-TCDD-37Cl4	0.20	86
1,2,3,6,7,8-HxCDD	120	—	0.68				
1,2,3,7,8,9-HxCDD	24	—	0.76	J			
Total HxCDD	520	—	0.85				
1,2,3,4,6,7,8-HpCDF	1300	—	30		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	80	—	51		Equivalence: 130 pg/L		
Total HpCDF	1300	—	51		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	5900	—	1.6				
Total HpCDD	9700	—	1.6				
OCDF	8500	—	5.9				
OCDD	74000	—	12	E			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

J = Estimated value

B = Less than 10x higher than method blank level

E = Exceeds calibration range

I = Isotope ratio out of specification

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-4		
Lab Sample ID	40300884003		
Filename	L250906B_08		
Injected By	AH5		
Total Amount Extracted	915 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 10:06
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250906B_01	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/07/2025 01:25

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	28	—	0.92	C	2,3,7,8-TCDF-13C	2.00	68
Total TCDF	170	—	4.0		2,3,7,8-TCDD-13C	2.00	57
					1,2,3,7,8-PeCDF-13C	2.00	54
2,3,7,8-TCDD	ND	—	1.8		2,3,4,7,8-PeCDF-13C	2.00	59
Total TCDD	13	—	1.8		1,2,3,7,8-PeCDD-13C	2.00	63
					1,2,3,4,7,8-HxCDF-13C	2.00	57
1,2,3,7,8-PeCDF	32	—	3.6	J	1,2,3,6,7,8-HxCDF-13C	2.00	64
2,3,4,7,8-PeCDF	210	—	2.5		2,3,4,6,7,8-HxCDF-13C	2.00	66
Total PeCDF	1400	—	3.6		1,2,3,7,8,9-HxCDF-13C	2.00	59
					1,2,3,4,7,8-HxCDD-13C	2.00	52
1,2,3,7,8-PeCDD	—	4.5	1.0	JI	1,2,3,6,7,8-HxCDD-13C	2.00	65
Total PeCDD	13	—	1.0	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	52
					1,2,3,4,7,8,9-HpCDF-13C	2.00	50
1,2,3,4,7,8-HxCDF	1100	—	26		1,2,3,4,6,7,8-HpCDD-13C	2.00	55
1,2,3,6,7,8-HxCDF	280	—	21		OCDD-13C	4.00	40
2,3,4,6,7,8-HxCDF	340	—	22				
1,2,3,7,8,9-HxCDF	240	—	34		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	6600	—	34		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	—	1.8		2,3,7,8-TCDD-37Cl4	0.20	93
1,2,3,6,7,8-HxCDD	1600	—	1.4				
1,2,3,7,8,9-HxCDD	210	—	1.6				
Total HxCDD	5500	—	1.8				
1,2,3,4,6,7,8-HpCDF	19000	—	26		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	990	—	45		Equivalence: 1600 pg/L		
Total HpCDF	20000	—	45		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	65000	—	3.5	E			
Total HpCDD	110000	—	3.5	E			
OCDF	130000	—	26	E			
OCDD	830000	—	47	E			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

J = Estimated value

E = Exceeds calibration range

I = Isotope ratio out of specification

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	DUP-1		
Lab Sample ID	40300884004		
Filename	L250906B_03		
Injected By	AH5		
Total Amount Extracted	957 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 10:11
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250906B_01	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/06/2025 21:33

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	34	—	1.4	C	2,3,7,8-TCDF-13C	2.00	71
Total TCDF	260	—	3.0		2,3,7,8-TCDD-13C	2.00	62
					1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	ND	—	1.3		2,3,4,7,8-PeCDF-13C	2.00	65
Total TCDD	16	—	1.3		1,2,3,7,8-PeCDD-13C	2.00	71
					1,2,3,4,7,8-HxCDF-13C	2.00	68
1,2,3,7,8-PeCDF	ND	—	1.8		1,2,3,6,7,8-HxCDF-13C	2.00	77
2,3,4,7,8-PeCDF	270	—	1.3		2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	1700	—	1.8		1,2,3,7,8,9-HxCDF-13C	2.00	68
					1,2,3,4,7,8-HxCDD-13C	2.00	60
1,2,3,7,8-PeCDD	5.4	—	0.90	J	1,2,3,6,7,8-HxCDD-13C	2.00	78
Total PeCDD	46	—	0.90	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	66
					1,2,3,4,7,8,9-HpCDF-13C	2.00	65
1,2,3,4,7,8-HxCDF	1300	—	23		1,2,3,4,6,7,8-HpCDD-13C	2.00	70
1,2,3,6,7,8-HxCDF	—	380	20	P	OCDD-13C	4.00	55
2,3,4,6,7,8-HxCDF	470	—	20				
1,2,3,7,8,9-HxCDF	280	—	30		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	7600	—	30		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	92	—	1.5		2,3,7,8-TCDD-37Cl4	0.20	91
1,2,3,6,7,8-HxCDD	1800	—	1.1				
1,2,3,7,8,9-HxCDD	330	—	1.3				
Total HxCDD	6900	—	1.5				
1,2,3,4,6,7,8-HpCDF	21000	—	44		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	1300	—	28		Equivalence: 1900 pg/L		
Total HpCDF	22000	—	44		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	77000	—	2.4	E			
Total HpCDD	130000	—	2.4	E			
OCDF	140000	—	27	E			
OCDD	990000	—	63	E			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

J = Estimated value

P = PCDE Interference

E = Exceeds calibration range

C = Result obtained from confirmation analysis

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-5		
Lab Sample ID	40300884005		
Filename	L250909A_07		
Injected By	SMT		
Total Amount Extracted	952 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 10:53
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250909A_01	Extracted	09/04/2025 16:41
Method Blank ID	BLANK-121036	Analyzed	09/09/2025 12:07

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.52		2,3,7,8-TCDF-13C	2.00	82
Total TCDF	3.8	—	0.52	J	2,3,7,8-TCDD-13C	2.00	73
					1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	—	1.8		2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	ND	—	1.8		1,2,3,7,8-PeCDD-13C	2.00	92
					1,2,3,4,7,8-HxCDF-13C	2.00	77
1,2,3,7,8-PeCDF	ND	—	0.57		1,2,3,6,7,8-HxCDF-13C	2.00	77
2,3,4,7,8-PeCDF	ND	—	0.41		2,3,4,6,7,8-HxCDF-13C	2.00	79
Total PeCDF	ND	—	0.57		1,2,3,7,8,9-HxCDF-13C	2.00	81
					1,2,3,4,7,8-HxCDD-13C	2.00	68
1,2,3,7,8-PeCDD	ND	—	0.68		1,2,3,6,7,8-HxCDD-13C	2.00	83
Total PeCDD	ND	—	0.68		1,2,3,4,6,7,8-HpCDF-13C	2.00	77
					1,2,3,4,7,8,9-HpCDF-13C	2.00	92
1,2,3,4,7,8-HxCDF	—	1.5	0.74	JI	1,2,3,4,6,7,8-HpCDD-13C	2.00	85
1,2,3,6,7,8-HxCDF	1.5	—	0.64	J	OCDD-13C	4.00	87
2,3,4,6,7,8-HxCDF	ND	—	0.61				
1,2,3,7,8,9-HxCDF	—	1.1	0.82	JI	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	1.5	—	0.82	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	3.2	—	0.57	BJ	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	ND	—	0.48				
1,2,3,7,8,9-HxCDD	—	0.84	0.52	JI			
Total HxCDD	3.2	—	0.57	BJ			
1,2,3,4,6,7,8-HpCDF	ND	—	1.9		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	2.7		Equivalence: 0.93 pg/L		
Total HpCDF	ND	—	2.7		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	7.8	—	2.3	J			
Total HpCDD	16	—	2.3	J			
OCDF	—	7.7	1.6	JI			
OCDD	100	—	1.6	J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-6		
Lab Sample ID	40300884006		
Filename	U250905A_14		
Injected By	AH5		
Total Amount Extracted	980 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 11:41
ICAL ID	U250825	Received	08/30/2025 12:35
CCal Filename(s)	U250905A_02	Extracted	09/03/2025 11:33
Method Blank ID	BLANK-121012	Analyzed	09/05/2025 18:33

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.29		2,3,7,8-TCDF-13C	2.00	89
Total TCDF	ND	—	0.29		2,3,7,8-TCDD-13C	2.00	84
					1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	—	0.38		2,3,4,7,8-PeCDF-13C	2.00	91
Total TCDD	ND	—	0.38		1,2,3,7,8-PeCDD-13C	2.00	102
					1,2,3,4,7,8-HxCDF-13C	2.00	109
1,2,3,7,8-PeCDF	ND	—	0.27		1,2,3,6,7,8-HxCDF-13C	2.00	102
2,3,4,7,8-PeCDF	0.33	—	0.20	J	2,3,4,6,7,8-HxCDF-13C	2.00	97
Total PeCDF	0.33	—	0.27	J	1,2,3,7,8,9-HxCDF-13C	2.00	99
					1,2,3,4,7,8-HxCDD-13C	2.00	87
1,2,3,7,8-PeCDD	ND	—	0.35		1,2,3,6,7,8-HxCDD-13C	2.00	98
Total PeCDD	ND	—	0.35		1,2,3,4,6,7,8-HpCDF-13C	2.00	100
					1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	ND	—	0.41		1,2,3,4,6,7,8-HpCDD-13C	2.00	104
1,2,3,6,7,8-HxCDF	ND	—	0.43		OCDD-13C	4.00	73
2,3,4,6,7,8-HxCDF	ND	—	0.41				
1,2,3,7,8,9-HxCDF	1.2	—	0.51	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	1.2	—	0.51	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	2.5	—	0.54	BJ	2,3,7,8-TCDD-37Cl4	0.20	87
1,2,3,6,7,8-HxCDD	ND	—	0.50				
1,2,3,7,8,9-HxCDD	ND	—	0.51				
Total HxCDD	2.5	—	0.54	BJ			
1,2,3,4,6,7,8-HpCDF	ND	—	0.59		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	1.0		Equivalence: 0.49 pg/L		
Total HpCDF	ND	—	1.0		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	1.6	—	0.83	J			
Total HpCDD	2.7	—	0.83	BJ			
OCDF	1.3	—	1.2	J			
OCDD	8.9	—	2.4	J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

J = Estimated value

B = Less than 10x higher than method blank level

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-7		
Lab Sample ID	40300884007		
Filename	L250909A_08		
Injected By	SMT		
Total Amount Extracted	981 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 12:33
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250909A_01	Extracted	09/04/2025 16:41
Method Blank ID	BLANK-121036	Analyzed	09/09/2025 12:53

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.93		2,3,7,8-TCDF-13C	2.00	87
Total TCDF	ND	—	0.93		2,3,7,8-TCDD-13C	2.00	79
					1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	—	1.1		2,3,4,7,8-PeCDF-13C	2.00	90
Total TCDD	ND	—	1.1		1,2,3,7,8-PeCDD-13C	2.00	98
					1,2,3,4,7,8-HxCDF-13C	2.00	96
1,2,3,7,8-PeCDF	ND	—	0.64		1,2,3,6,7,8-HxCDF-13C	2.00	91
2,3,4,7,8-PeCDF	ND	—	0.45		2,3,4,6,7,8-HxCDF-13C	2.00	92
Total PeCDF	ND	—	0.64		1,2,3,7,8,9-HxCDF-13C	2.00	92
					1,2,3,4,7,8-HxCDD-13C	2.00	82
1,2,3,7,8-PeCDD	ND	—	0.24		1,2,3,6,7,8-HxCDD-13C	2.00	92
Total PeCDD	ND	—	0.24		1,2,3,4,6,7,8-HpCDF-13C	2.00	89
					1,2,3,4,7,8,9-HpCDF-13C	2.00	97
1,2,3,4,7,8-HxCDF	ND	—	0.72		1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	ND	—	0.71		OCDD-13C	4.00	89
2,3,4,6,7,8-HxCDF	ND	—	0.73				
1,2,3,7,8,9-HxCDF	—	1.5	0.96	Jl	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.96		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	2.2	1.0	Jl	2,3,7,8-TCDD-37Cl4	0.20	76
1,2,3,6,7,8-HxCDD	ND	—	0.87				
1,2,3,7,8,9-HxCDD	ND	—	0.94				
Total HxCDD	ND	—	1.0				
1,2,3,4,6,7,8-HpCDF	2.4	—	1.5	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	2.2		Equivalence: 0.44 pg/L		
Total HpCDF	2.4	—	2.2	J	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	4.0	—	1.4	J			
Total HpCDD	7.7	—	1.4	J			
OCDF	—	5.2	3.4	Jl			
OCDD	—	29	6.9	Jl			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

J = Estimated value

I = Isotope ratio out of specification

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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Method 1613B Sample Analysis Results

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-8		
Lab Sample ID	40300884008		
Filename	L250909A_09		
Injected By	SMT		
Total Amount Extracted	965 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/28/2025 13:23
ICAL ID	L250710	Received	08/30/2025 12:35
CCal Filename(s)	L250909A_01	Extracted	09/04/2025 16:41
Method Blank ID	BLANK-121036	Analyzed	09/09/2025 13:40

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.77		2,3,7,8-TCDF-13C	2.00	92
Total TCDF	ND	—	0.77		2,3,7,8-TCDD-13C	2.00	82
					1,2,3,7,8-PeCDF-13C	2.00	91
2,3,7,8-TCDD	ND	—	0.81		2,3,4,7,8-PeCDF-13C	2.00	94
Total TCDD	ND	—	0.81		1,2,3,7,8-PeCDD-13C	2.00	104
					1,2,3,4,7,8-HxCDF-13C	2.00	95
1,2,3,7,8-PeCDF	ND	—	0.42		1,2,3,6,7,8-HxCDF-13C	2.00	90
2,3,4,7,8-PeCDF	ND	—	0.31		2,3,4,6,7,8-HxCDF-13C	2.00	91
Total PeCDF	ND	—	0.42		1,2,3,7,8,9-HxCDF-13C	2.00	95
					1,2,3,4,7,8-HxCDD-13C	2.00	79
1,2,3,7,8-PeCDD	ND	—	0.71		1,2,3,6,7,8-HxCDD-13C	2.00	97
Total PeCDD	ND	—	0.71		1,2,3,4,6,7,8-HpCDF-13C	2.00	89
					1,2,3,4,7,8,9-HpCDF-13C	2.00	101
1,2,3,4,7,8-HxCDF	ND	—	0.35		1,2,3,4,6,7,8-HpCDD-13C	2.00	93
1,2,3,6,7,8-HxCDF	ND	—	0.31		OCDD-13C	4.00	91
2,3,4,6,7,8-HxCDF	ND	—	0.30				
1,2,3,7,8,9-HxCDF	—	1.1	0.40	Jl	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	1.3	—	0.40	Bj	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	—	1.7	0.77	Jl	2,3,7,8-TCDD-37Cl4	0.20	80
1,2,3,6,7,8-HxCDD	ND	—	0.63				
1,2,3,7,8,9-HxCDD	—	0.71	0.70	Jl			
Total HxCDD	ND	—	0.77				
1,2,3,4,6,7,8-HpCDF	—	1.2	1.2	Jl	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	1.7		Equivalence: 0.39 pg/L		
Total HpCDF	ND	—	1.7		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	2.9	1.3	Jl			
Total HpCDD	3.8	—	1.3	J			
OCDF	4.9	—	1.5	J			
OCDD	—	17	6.6	Jl			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

J = Estimated value

B = Less than 10x higher than method blank level

I = Isotope ratio out of specification

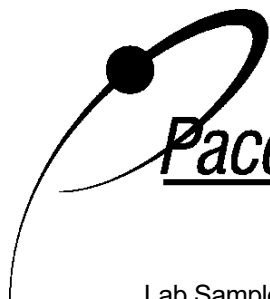
ND = Not Detected

NA = Not Applicable

NC = Not Calculated

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKPE	Matrix	Water
Lab Sample ID	BLANK-121012	Dilution	NA
Filename	U250905A_11	Extracted	09/03/2025 11:33
Total Amount Extracted	978 mL	Analyzed	09/05/2025 16:10
ICAL ID	U250825	Injected By	AH5
CCal Filename(s)	U250905A_02		

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.33		2,3,7,8-TCDF-13C	2.00	84
Total TCDF	ND	—	0.33		2,3,7,8-TCDD-13C	2.00	81
					1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	—	0.45		2,3,4,7,8-PeCDF-13C	2.00	88
Total TCDD	ND	—	0.45		1,2,3,7,8-PeCDD-13C	2.00	98
					1,2,3,4,7,8-HxCDF-13C	2.00	102
1,2,3,7,8-PeCDF	—	0.54	0.34	Jl	1,2,3,6,7,8-HxCDF-13C	2.00	95
2,3,4,7,8-PeCDF	—	0.42	0.24	Jl	2,3,4,6,7,8-HxCDF-13C	2.00	96
Total PeCDF	ND	—	0.34		1,2,3,7,8,9-HxCDF-13C	2.00	97
					1,2,3,4,7,8-HxCDD-13C	2.00	91
1,2,3,7,8-PeCDD	—	0.45	0.29	Jl	1,2,3,6,7,8-HxCDD-13C	2.00	97
Total PeCDD	ND	—	0.29		1,2,3,4,6,7,8-HpCDF-13C	2.00	100
					1,2,3,4,7,8,9-HpCDF-13C	2.00	95
1,2,3,4,7,8-HxCDF	0.53	—	0.45	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	104
1,2,3,6,7,8-HxCDF	0.47	—	0.41	J	OCDD-13C	4.00	84
2,3,4,6,7,8-HxCDF	ND	—	0.42				
1,2,3,7,8,9-HxCDF	—	1.1	0.53	Jl	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	1.00	—	0.53	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	2.4	—	0.57	J	2,3,7,8-TCDD-37Cl4	0.20	75
1,2,3,6,7,8-HxCDD	ND	—	0.46				
1,2,3,7,8,9-HxCDD	ND	—	0.50				
Total HxCDD	2.4	—	0.57	J			
1,2,3,4,6,7,8-HpCDF	ND	—	0.77		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.99		Equivalence: 1.1 pg/L		
Total HpCDF	ND	—	0.99		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	0.95	0.79	Jl			
Total HpCDD	1.2	—	0.79	J			
OCDF	ND	—	0.84				
OCDD	—	4.7	2.0	Jl			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

J = Estimated value

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKPN	Matrix	Water
Lab Sample ID	BLANK-121036	Dilution	NA
Filename	U250910A_15	Extracted	09/04/2025 16:41
Total Amount Extracted	989 mL	Analyzed	09/10/2025 19:22
ICAL ID	U250825	Injected By	SMT
CCal Filename(s)	U250910A_02		

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.28		2,3,7,8-TCDF-13C	2.00	92
Total TCDF	ND	—	0.28		2,3,7,8-TCDD-13C	2.00	86
					1,2,3,7,8-PeCDF-13C	2.00	95
2,3,7,8-TCDD	ND	—	0.34		2,3,4,7,8-PeCDF-13C	2.00	99
Total TCDD	ND	—	0.34		1,2,3,7,8-PeCDD-13C	2.00	106
					1,2,3,4,7,8-HxCDF-13C	2.00	104
1,2,3,7,8-PeCDF	ND	—	0.39		1,2,3,6,7,8-HxCDF-13C	2.00	98
2,3,4,7,8-PeCDF	ND	—	0.28		2,3,4,6,7,8-HxCDF-13C	2.00	100
Total PeCDF	ND	—	0.39		1,2,3,7,8,9-HxCDF-13C	2.00	97
					1,2,3,4,7,8-HxCDD-13C	2.00	87
1,2,3,7,8-PeCDD	ND	—	0.28		1,2,3,6,7,8-HxCDD-13C	2.00	95
Total PeCDD	ND	—	0.28		1,2,3,4,6,7,8-HpCDF-13C	2.00	101
					1,2,3,4,7,8,9-HpCDF-13C	2.00	52
1,2,3,4,7,8-HxCDF	0.44	—	0.31	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	101
1,2,3,6,7,8-HxCDF	ND	—	0.30		OCDD-13C	4.00	73
2,3,4,6,7,8-HxCDF	ND	—	0.29				
1,2,3,7,8,9-HxCDF	—	1.1	0.37	JI	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.44	—	0.37	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.9	—	0.58	J	2,3,7,8-TCDD-37Cl4	0.20	82
1,2,3,6,7,8-HxCDD	ND	—	0.48				
1,2,3,7,8,9-HxCDD	ND	—	0.51				
Total HxCDD	1.9	—	0.58	J			
1,2,3,4,6,7,8-HpCDF	ND	—	0.49		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	1.4		Equivalence: 0.35 pg/L		
Total HpCDF	ND	—	1.4		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	—	0.78	0.57	JI			
Total HpCDD	ND	—	0.57				
OCDF	ND	—	0.93				
OCDD	—	3.9	1.8	JI			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

J = Estimated value
I = Isotope ratio out of specification

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-121013	Matrix	Water
Filename	U250905A_03	Dilution	NA
Total Amount Extracted	981 mL	Extracted	09/03/2025 11:33
ICAL ID	U250825	Analyzed	09/05/2025 09:52
CCal Filename	U250905A_02	Injected By	AH5
Method Blank ID	BLANK-121012		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	10	7.5	15.8	105
2,3,7,8-TCDD	10	11	6.7	15.8	112
1,2,3,7,8-PeCDF	50	54	40.0	67.0	109
2,3,4,7,8-PeCDF	50	50	34.0	80.0	100
1,2,3,7,8-PeCDD	50	48	35.0	71.0	96
1,2,3,4,7,8-HxCDF	50	48	36.0	67.0	97
1,2,3,6,7,8-HxCDF	50	51	42.0	65.0	103
2,3,4,6,7,8-HxCDF	50	52	35.0	78.0	105
1,2,3,7,8,9-HxCDF	50	53	39.0	65.0	107
1,2,3,4,7,8-HxCDD	50	57	35.0	82.0	114
1,2,3,6,7,8-HxCDD	50	49	38.0	67.0	98
1,2,3,7,8,9-HxCDD	50	50	32.0	81.0	101
1,2,3,4,6,7,8-HpCDF	50	51	41.0	61.0	101
1,2,3,4,7,8,9-HpCDF	50	47	39.0	69.0	94
1,2,3,4,6,7,8-HpCDD	50	50	35.0	70.0	99
OCDF	100	110	63.0	170.0	109
OCDD	100	110	78.0	144.0	112
2,3,7,8-TCDD-37Cl4	10	8.1	3.1	19.1	81
2,3,7,8-TCDF-13C	100	81	22.0	152.0	81
2,3,7,8-TCDD-13C	100	81	20.0	175.0	81
1,2,3,7,8-PeCDF-13C	100	82	21.0	192.0	82
2,3,4,7,8-PeCDF-13C	100	83	13.0	328.0	83
1,2,3,7,8-PeCDD-13C	100	91	21.0	227.0	91
1,2,3,4,7,8-HxCDF-13C	100	95	19.0	202.0	95
1,2,3,6,7,8-HxCDF-13C	100	91	21.0	159.0	91
2,3,4,6,7,8-HxCDF-13C	100	91	22.0	176.0	91
1,2,3,7,8,9-HxCDF-13C	100	91	17.0	205.0	91
1,2,3,4,7,8-HxCDD-13C	100	90	21.0	193.0	90
1,2,3,6,7,8-HxCDD-13C	100	95	25.0	163.0	95
1,2,3,4,6,7,8-HpCDF-13C	100	98	21.0	158.0	98
1,2,3,4,7,8,9-HpCDF-13C	100	100	20.0	186.0	103
1,2,3,4,6,7,8-HpCDD-13C	100	100	26.0	166.0	104
OCDD-13C	200	160	26.0	397.0	80

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-121037	Matrix	Water
Filename	U250910A_05	Dilution	NA
Total Amount Extracted	985 mL	Extracted	09/04/2025 16:41
ICAL ID	U250825	Analyzed	09/10/2025 11:27
CCal Filename	U250910A_02	Injected By	SMT
Method Blank ID	BLANK-121036		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.4	7.5	15.8	94
2,3,7,8-TCDD	10	10	6.7	15.8	100
1,2,3,7,8-PeCDF	50	49	40.0	67.0	98
2,3,4,7,8-PeCDF	50	46	34.0	80.0	92
1,2,3,7,8-PeCDD	50	42	35.0	71.0	85
1,2,3,4,7,8-HxCDF	50	45	36.0	67.0	89
1,2,3,6,7,8-HxCDF	50	46	42.0	65.0	92
2,3,4,6,7,8-HxCDF	50	45	35.0	78.0	91
1,2,3,7,8,9-HxCDF	50	45	39.0	65.0	90
1,2,3,4,7,8-HxCDD	50	52	35.0	82.0	104
1,2,3,6,7,8-HxCDD	50	44	38.0	67.0	88
1,2,3,7,8,9-HxCDD	50	47	32.0	81.0	93
1,2,3,4,6,7,8-HpCDF	50	45	41.0	61.0	90
1,2,3,4,7,8,9-HpCDF	50	44	39.0	69.0	88
1,2,3,4,6,7,8-HpCDD	50	43	35.0	70.0	87
OCDF	100	97	63.0	170.0	97
OCDD	100	100	78.0	144.0	101
2,3,7,8-TCDD-37Cl4	10	8.0	3.1	19.1	80
2,3,7,8-TCDF-13C	100	88	22.0	152.0	88
2,3,7,8-TCDD-13C	100	81	20.0	175.0	81
1,2,3,7,8-PeCDF-13C	100	88	21.0	192.0	88
2,3,4,7,8-PeCDF-13C	100	92	13.0	328.0	92
1,2,3,7,8-PeCDD-13C	100	99	21.0	227.0	99
1,2,3,4,7,8-HxCDF-13C	100	99	19.0	202.0	99
1,2,3,6,7,8-HxCDF-13C	100	94	21.0	159.0	94
2,3,4,6,7,8-HxCDF-13C	100	96	22.0	176.0	96
1,2,3,7,8,9-HxCDF-13C	100	95	17.0	205.0	95
1,2,3,4,7,8-HxCDD-13C	100	82	21.0	193.0	82
1,2,3,6,7,8-HxCDD-13C	100	92	25.0	163.0	92
1,2,3,4,6,7,8-HpCDF-13C	100	100	21.0	158.0	100
1,2,3,4,7,8,9-HpCDF-13C	100	76	20.0	186.0	76
1,2,3,4,6,7,8-HpCDD-13C	100	99	26.0	166.0	99
OCDD-13C	200	150	26.0	397.0	76

Cs = Concentration Spiked (ng/mL)

Cr = Concentration Recovered (ng/mL)

Rec. = Recovery (Expressed as Percent)

Control Limit Reference: Method 1613, Table 6, 10/94 Revision

R = Recovery outside of control limits

Nn = Value obtained from additional analysis

* = See Discussion

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-121038	Matrix	Water
Filename	U250910A_06	Dilution	NA
Total Amount Extracted	976 mL	Extracted	09/04/2025 16:41
ICAL ID	U250825	Analyzed	09/10/2025 12:14
CCal Filename	U250910A_02	Injected By	SMT
Method Blank ID	BLANK-121036		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.4	7.5	15.8	94
2,3,7,8-TCDD	10	10.0	6.7	15.8	100
1,2,3,7,8-PeCDF	50	49	40.0	67.0	98
2,3,4,7,8-PeCDF	50	45	34.0	80.0	91
1,2,3,7,8-PeCDD	50	43	35.0	71.0	85
1,2,3,4,7,8-HxCDF	50	44	36.0	67.0	87
1,2,3,6,7,8-HxCDF	50	46	42.0	65.0	93
2,3,4,6,7,8-HxCDF	50	47	35.0	78.0	94
1,2,3,7,8,9-HxCDF	50	47	39.0	65.0	94
1,2,3,4,7,8-HxCDD	50	52	35.0	82.0	103
1,2,3,6,7,8-HxCDD	50	46	38.0	67.0	91
1,2,3,7,8,9-HxCDD	50	45	32.0	81.0	90
1,2,3,4,6,7,8-HpCDF	50	46	41.0	61.0	91
1,2,3,4,7,8,9-HpCDF	50	43	39.0	69.0	86
1,2,3,4,6,7,8-HpCDD	50	45	35.0	70.0	89
OCDF	100	100	63.0	170.0	100
OCDD	100	100	78.0	144.0	102
2,3,7,8-TCDD-37Cl4	10	8.5	3.1	19.1	85
2,3,7,8-TCDF-13C	100	86	22.0	152.0	86
2,3,7,8-TCDD-13C	100	79	20.0	175.0	79
1,2,3,7,8-PeCDF-13C	100	85	21.0	192.0	85
2,3,4,7,8-PeCDF-13C	100	87	13.0	328.0	87
1,2,3,7,8-PeCDD-13C	100	95	21.0	227.0	95
1,2,3,4,7,8-HxCDF-13C	100	100	19.0	202.0	102
1,2,3,6,7,8-HxCDF-13C	100	96	21.0	159.0	96
2,3,4,6,7,8-HxCDF-13C	100	95	22.0	176.0	95
1,2,3,7,8,9-HxCDF-13C	100	91	17.0	205.0	91
1,2,3,4,7,8-HxCDD-13C	100	85	21.0	193.0	85
1,2,3,6,7,8-HxCDD-13C	100	89	25.0	163.0	89
1,2,3,4,6,7,8-HpCDF-13C	100	92	21.0	158.0	92
1,2,3,4,7,8,9-HpCDF-13C	100	72	20.0	186.0	72
1,2,3,4,6,7,8-HpCDD-13C	100	92	26.0	166.0	92
OCDD-13C	200	130	26.0	397.0	66

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

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Method 1613B

Spike Recovery Relative Percent Difference (RPD) Results

Client PACE Wisconsin

Spike 1 ID LCS-121037
Spike 1 Filename U250910A_05

Spike 2 ID LCSD-121038
Spike 2 Filename U250910A_06

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDF	94	94	0.0
2,3,7,8-TCDD	100	100	0.0
1,2,3,7,8-PeCDF	98	98	0.0
2,3,4,7,8-PeCDF	92	91	1.1
1,2,3,7,8-PeCDD	85	85	0.0
1,2,3,4,7,8-HxCDF	89	87	2.3
1,2,3,6,7,8-HxCDF	92	93	1.1
2,3,4,6,7,8-HxCDF	91	94	3.2
1,2,3,7,8,9-HxCDF	90	94	4.3
1,2,3,4,7,8-HxCDD	104	103	1.0
1,2,3,6,7,8-HxCDD	88	91	3.4
1,2,3,7,8,9-HxCDD	93	90	3.3
1,2,3,4,6,7,8-HpCDF	90	91	1.1
1,2,3,4,7,8,9-HpCDF	88	86	2.3
1,2,3,4,6,7,8-HpCDD	87	89	2.3
OCDF	97	100	3.0
OCDD	101	102	1.0

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

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Method 1613B Spiked Sample Report

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-6-MS	Matrix	WATER
Lab Sample ID	40300884006-MS	Dilution	NA
Filename	U250905A_08	Extracted	09/03/2025 11:33
Total Amount Extracted	978 mL	Analyzed	09/05/2025 13:48
ICAL ID	U250825	Injected By	AH5
CCal Filename(s)	U250905A_02		
Method Blank ID	BLANK-121012		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.19	96	2,3,7,8-TCDF-13C	2.00	90
Total TCDF				2,3,7,8-TCDD-13C	2.00	88
				1,2,3,7,8-PeCDF-13C	2.00	91
2,3,7,8-TCDD	0.20	0.21	106	2,3,4,7,8-PeCDF-13C	2.00	92
Total TCDD				1,2,3,7,8-PeCDD-13C	2.00	102
				1,2,3,4,7,8-HxCDF-13C	2.00	111
1,2,3,7,8-PeCDF	1.00	1.03	103	1,2,3,6,7,8-HxCDF-13C	2.00	105
2,3,4,7,8-PeCDF	1.00	0.96	96	2,3,4,6,7,8-HxCDF-13C	2.00	103
Total PeCDF				1,2,3,7,8,9-HxCDF-13C	2.00	99
				1,2,3,4,7,8-HxCDD-13C	2.00	89
1,2,3,7,8-PeCDD	1.00	0.92	92	1,2,3,6,7,8-HxCDD-13C	2.00	102
Total PeCDD				1,2,3,4,6,7,8-HpCDF-13C	2.00	101
				1,2,3,4,7,8,9-HpCDF-13C	2.00	71
1,2,3,4,7,8-HxCDF	1.00	0.93	93	1,2,3,4,6,7,8-HpCDD-13C	2.00	102
1,2,3,6,7,8-HxCDF	1.00	0.97	97	OCDD-13C	4.00	76
2,3,4,6,7,8-HxCDF	1.00	0.98	98			
1,2,3,7,8,9-HxCDF	1.00	0.99	99	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.09	108	2,3,7,8-TCDD-37Cl4	0.20	89
1,2,3,6,7,8-HxCDD	1.00	0.93	93			
1,2,3,7,8,9-HxCDD	1.00	0.99	99			
Total HxCDD						
1,2,3,4,6,7,8-HpCDF	1.00	0.98	98			
1,2,3,4,7,8,9-HpCDF	1.00	0.84	84			
Total HpCDF						
1,2,3,4,6,7,8-HpCDD	1.00	0.96	96			
Total HpCDD						
OCDF	2.00	1.78	89			
OCDD	2.00	2.16	108			

Qs = Quantity Spiked

Qm = Quantity Measured

Rec. = Recovery (Expressed as Percent)

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

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Method 1613B Spiked Sample Report

Client - PACE Wisconsin

Client's Sample ID	TS-GW-TW-6-MSD		
Lab Sample ID	40300884006-MSD		
Filename	U250905A_09	Matrix	WATER
Total Amount Extracted	967 mL	Dilution	NA
ICAL ID	U250825	Extracted	09/03/2025 11:33
CCal Filename(s)	U250905A_02	Analyzed	09/05/2025 14:35
Method Blank ID	BLANK-121012	Injected By	AH5

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.19	97	2,3,7,8-TCDF-13C	2.00	94
Total TCDF				2,3,7,8-TCDD-13C	2.00	89
				1,2,3,7,8-PeCDF-13C	2.00	93
2,3,7,8-TCDD	0.20	0.22	109	2,3,4,7,8-PeCDF-13C	2.00	92
Total TCDD				1,2,3,7,8-PeCDD-13C	2.00	102
				1,2,3,4,7,8-HxCDF-13C	2.00	115
1,2,3,7,8-PeCDF	1.00	1.03	103	1,2,3,6,7,8-HxCDF-13C	2.00	106
2,3,4,7,8-PeCDF	1.00	0.97	97	2,3,4,6,7,8-HxCDF-13C	2.00	103
Total PeCDF				1,2,3,7,8,9-HxCDF-13C	2.00	103
				1,2,3,4,7,8-HxCDD-13C	2.00	95
1,2,3,7,8-PeCDD	1.00	0.93	93	1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD				1,2,3,4,6,7,8-HpCDF-13C	2.00	103
				1,2,3,4,7,8,9-HpCDF-13C	2.00	83
1,2,3,4,7,8-HxCDF	1.00	0.97	97	1,2,3,4,6,7,8-HpCDD-13C	2.00	105
1,2,3,6,7,8-HxCDF	1.00	1.01	101	OCDD-13C	4.00	78
2,3,4,6,7,8-HxCDF	1.00	1.03	103			
1,2,3,7,8,9-HxCDF	1.00	1.02	101	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.06	106	2,3,7,8-TCDD-37Cl4	0.20	91
1,2,3,6,7,8-HxCDD	1.00	0.96	96			
1,2,3,7,8,9-HxCDD	1.00	0.99	99			
Total HxCDD						
1,2,3,4,6,7,8-HpCDF	1.00	0.99	99			
1,2,3,4,7,8,9-HpCDF	1.00	0.89	89			
Total HpCDF						
1,2,3,4,6,7,8-HpCDD	1.00	0.97	97			
Total HpCDD						
OCDF	2.00	1.97	98			
OCDD	2.00	2.20	110			

Qs = Quantity Spiked

Qm = Quantity Measured

Rec. = Recovery (Expressed as Percent)

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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Method 1613 Spike Sample Results

Client - PACE Wisconsin

Client Sample ID TS-GW-TW-6
Lab Sample ID 40300884006
MS ID 40300884006-MS
MSD ID 40300884006-MSD

Sample Filename U250905A_14
MS Filename U250905A_08
MSD Filename U250905A_09

Analyte	Quantity Spiked	Unspiked Sample Contribution		Quantity Measured		RPD	Subtracted Recovery	
	(ng)	to MS (ng)	to MSD (ng)	MS (ng)	MSD (ng)		MS (%)	MSD (%)
2,3,7,8-TCDF	0.20	ND	ND	0.19	0.19	0.3	96	97
2,3,7,8-TCDD	0.20	ND	ND	0.21	0.22	2.2	106	109
1,2,3,7,8-PeCDF	1.00	ND	ND	1.03	1.03	0.4	103	103
2,3,4,7,8-PeCDF	1.00	0.000327	0.000323	0.96	0.97	1.7	96	97
1,2,3,7,8-PeCDD	1.00	ND	ND	0.92	0.93	1.1	92	93
1,2,3,4,7,8-HxCDF	1.00	ND	ND	0.93	0.97	4.1	93	97
1,2,3,6,7,8-HxCDF	1.00	ND	ND	0.97	1.01	3.4	97	101
2,3,4,6,7,8-HxCDF	1.00	ND	ND	0.98	1.03	4.5	98	103
1,2,3,7,8,9-HxCDF	1.00	0.00116	0.00115	0.99	1.02	2.4	99	101
1,2,3,4,7,8-HxCDD	1.00	0.00243	0.00240	1.09	1.06	2.1	108	106
1,2,3,6,7,8-HxCDD	1.00	ND	ND	0.93	0.96	3.2	93	96
1,2,3,7,8,9-HxCDD	1.00	ND	ND	0.99	0.99	0.1	99	99
1,2,3,4,6,7,8-HpCDF	1.00	ND	ND	0.98	0.99	1.5	98	99
1,2,3,4,7,8,9-HpCDF	1.00	ND	ND	0.84	0.89	5.8	84	89
1,2,3,4,6,7,8-HpCDD	1.00	0.00161	0.00159	0.96	0.97	1.2	96	97
OCDF	2.00	0.00127	0.00126	1.78	1.97	9.6	89	98
OCDD	2.00	0.00871	0.00861	2.16	2.20	2.0	108	110

Quantity Spiked - the amount of analyte spiked into the spiked samples

Unspiked Sample Contribution - calculated based on the amount found in the sample and the extracted amounts of the spiked and unspiked samples

Quantity Measured - the total amount of analyte measured in the spiked samples

RPD - the Relative Percent Difference of the spiked sample Quantity Measured values

Subtracted Recovery - calculated after subtracting the unspiked sample contribution