Phase II Environmental Investigation Report

Hill Annex Mine (BF0003297)

Prepared for
Minnesota Department of Iron Range Resources and Rehabilitation

Prepared by
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September 2026

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Certification

I hereby certify that this plan, document, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Geologist under the laws of the state of Minnesota.



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Abbreviations

AST	aboveground storage tank
ASTM	American Society for Testing and Materials
B(a)P	Benzo(a)pyrene
bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
DNR	Minnesota Department of Natural Resources
DQM	Data Qualification Module
DRO	diesel range organic
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
GPS	Global Positioning System
GRO	gasoline range organic
HREC	Historical Recognized Environmental Condition
HRL	Health Risk Level
IRRR	Minnesota Department of Iron Range Resources & Rehabilitation
LCS	laboratory control sample
MDH	Minnesota Department of Health
MDL	method detection limit
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MPCA	Minnesota Pollution Control Agency
MS/MSD	matrix spike/matrix spike duplicate
MSL	mean sea level
MWI	Minnesota Well Index
NRCS	Natural Resources Conservation Service
PAH	polycyclic aromatic hydrocarbon
PB	Petroleum Brownfield
PCB	polychlorinated biphenyls
PFAS	Per- and Polyfluoroalkyl Substances
Phase II	Phase II Environmental Investigation
PID	photoionization detector
ppm	parts per million
RAP	Response Action Plan
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RL	reporting limit
RPD	relative percent difference
SOP	Standard Operating Procedure
SRV	Soil Reference Value
TCLP	Toxicity Characteristic Leaching Procedure
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	underground storage tank
VIC	Voluntary Investigation and Cleanup
VOC	volatile organic compound

1 Introduction

1.1 Project Background

Barr Engineering Co. (Barr) was retained by the Minnesota Department of Iron Range Resources & Rehabilitation (IRRR) and the Minnesota Department of Natural Resources (DNR) to complete a Phase II Environmental Investigation (Phase II) on a portion of the Hill Annex Mine located at 880 Gary Street in Calumet, Minnesota (the Site), as shown on Figure 1. The Project is enrolled in the Minnesota Pollution Control Agency (MPCA) Brownfield Program under site BF0003297 for regulatory review and assistance from the Voluntary Investigation and Cleanup (VIC) and Petroleum Brownfield (PB) Programs.

From approximately 1912 through 1978, the Site was used for various types of open pit iron ore mining and processing activities. Following mining, the State of Minnesota used the property for mineland reclamation research. It was eventually redeveloped and operated as the Hill Annex Mine State Park until the park was closed in 2024.

IRRR and DNR intend to return the site to iron ore mining. A Scram Permit to Mine Application (reference (2)) has been submitted to DNR Division of Lands and Minerals, and describes a plan to reclaim the stockpiled above ground mineral resources at the Site. The Site reclamation plan as depicted in Figure 3A from October 28, 2025 Calumet Reclamation Permit to Mine Application is included for reference in Appendix A. There are no current plans to conduct new subsurface or open pit mining operations at the Site

To facilitate the scram mining of the Site, the IRRR and DNR intend to remove structures and investigate and remediate shallow soil contamination (less than four feet deep) that may come into contact with future surface mining operations. This Phase II was completed to evaluate potential environmental impacts associated with Recognized Environmental Conditions (RECs) identified in the 2025 Phase I Environmental Site Assessment (ESA) (reference (1)) and other historical environmental investigations conducted at the Site. The investigation assessed the locations of historical mine-related operations that included equipment and vehicle maintenance, petroleum storage, operation of electrical substations and transformers, and associated material handling and management activities that resulted in the release of petroleum hydrocarbons, polychlorinated biphenyls (PCBs), metals, and other industrial contaminants to Site soils. This report summarizes the Phase II field activities, observations, analytical results, and conclusions from the work that was completed in June 2026.

1.2 Phase II Objectives

The overall objective of the Phase II was to determine whether contaminants associated with historical mining and industrial activities are present within the accessible soil zone and, if so, to characterize the nature and extent of contamination for future response action planning. The investigation focused on locations where RECs were identified during the Phase I ESA, Barr's pre-investigation site visit and areas where previous investigations had documented contamination. The proposed investigation locations and methods were described in the Phase II work plan (reference (3)) that was reviewed by MPCA prior to the implementation of fieldwork (reference (4)).

The planned future use of the Site is industrial, specifically as an active scram mining facility. Accordingly, the specific objectives of the Phase II were to evaluate:

1. Contaminant concentrations in the accessible zone (0 to 4 feet [ft] below ground surface [bgs]), which represents the soil interval most likely to be encountered during future Site activities. Limited deeper investigation was performed, where warranted, to characterize the nature and extent of contamination and support future response action planning.

2. The presence of the following contaminants in soil:

    - Volatile organic compounds (VOCs)
    - Polycyclic aromatic hydrocarbons (PAHs)
    - PCBs
    - Gasoline range organics (GRO)
    - Diesel range organics (DRO)
    - Resource Conservation and Recovery Act (RCRA) metals

3. Potential risk to human health and the environment by comparing soil contaminant concentrations to:

    - MPCA Commercial/Industrial Soil Reference Values (SRVs)
    - MPCA guidance for Regulated Fill (reference (5))

The potential for Per- and Polyfluoroalkyl Substances (PFAS) contamination associated with historical industrial activities was identified as REC in the Phase I ESA (2025); however, based on the prevalence of PFAS in the environment, absence of regulatory standards for PFAS, and the MPCA not being able to provide PFAS-related liability assurances, PFAS samples were not collected during this investigation.

Groundwater and soil vapor data collection were not included in the scope of this Phase II. Groundwater was not expected to be encountered within the targeted investigation interval, and soil vapor was not evaluated because 1) existing Site buildings are planned for demolition and 2) the planned future industrial Site use does not include buildings that would be potential vapor receptors.

This Phase II did not include assessment of soil conditions below the foundations of the existing buildings. Management of risk associated with potential sub-slab soil contamination will be described in a forthcoming Response Action Plan (RAP). Additionally, hazardous building materials are documented in a Pre-Demolition Hazardous Building Materials Survey Report (reference (6)) and will be managed as part of a separate decommissioning process

2 Site Background

2.1 Site Location and Description

The Site is located at 880 Gary Street in Calumet, Minnesota and encompasses approximately 64 acres. The Hill Annex Mine Site is situated primarily on State of Minnesota-owned property associated with the former Hill Annex Mine State Park. Parcels adjacent to the Site consist of a combination of privately owned, municipal, tax-forfeit, and transportation corridor lands. Land ownership is shown on Figure 2.

The property was developed as an open pit iron ore mine around 1912. Iron ore was shipped via train for processing off-site (initially in Nashwauk, then later at a washing plant near Upper Panasa Lake). Structures that were erected in the period between 1912 and 1930 (e.g. locomotive shop, Quonset hut, etc.) were intended to support this “train-based” mining and off-site washing of ore. Starting in the 1950s, the processing of iron ore was switched to heavy media separation. Structures erected in the 1950s and 1960s (e.g. Heavy Media plant, tailings basin, truck repair shop) supported “truck-based” mining with on-site separation using the Heavy Media Plant and disposal of tailings in an on-site basin. Mining was discontinued in 1978. At that time, the IRRR used the property for reclamation research until it was formally redeveloped as Hill Annex Mine State Park in 1988. The Park operated as a recreational and educational facility from until 2024.

Mine stockpiles are present in the south-central and southeastern portions of the Site. Unpaved roads traverse the southern and central areas of the property, and low-maintenance roads, trails, and former rail corridors extend throughout the Site, including onto portions of the Mine Stockpiles. Approximately one-half of the Site (the northwest and southwest quadrants) is occupied by the Hill Annex Mine Pit. The pit filled with water following the cessation of mine-related dewatering activities; there are no contaminant investigation areas within the former mine pit. The remainder of the Site was divided into five investigation areas for purposes of planning and conducting the Phase II:

2.1.1 Area A – Tourist Center

This area, in the southwestern portion of the Site, includes the mine’s former Clubhouse, which was converted into a Tourist Visitor Center. The Clubhouse/Visitor Center and a nearby garage were utilized for mine tours and other State Park activities until the park closed in 2024. A former railroad building that was relocated to a position south of the Tourist Center served as a recreational gathering space on land leased by the City of Calumet. An underground storage tank formerly located in Area A was closed by the MPCA in 2005 (reference (9)). No other potential contaminant sources were identified in Area A, and no earthwork activities are planned in the vicinity of the former underground storage tank as part of future site redevelopment (Appendix A); therefore, Area A was not included in the Phase II Investigation.

2.1.2 Area B – Train Yard

During mine operations, the Train Yard contained numerous buildings as well as storage, maintenance, and rail-related facilities. This portion of the Site contains several buildings associated with the former mining operation and later adapted for State Park use, including a Quonset garage, docking area, maintenance shop, locomotive repair building, and cold storage building located along the east side of the Train Yard. This area also includes a ‘transformer exhibit’ which displays some of the historic electric infrastructure used to power locomotive mining operations.

2.1.3 Area C – Electrical Shop

The Electrical Shop area includes an engineering building, fee station, and electrical shop located along the northwest side of the Train Yard.

2.1.4 Area D – Heavy Media Plant

The Heavy Media Plant, which included the ore crushing plant, hydrolater, conveyor belt systems, pipelines, and associated maintenance and cold storage facilities, was located north of the Train Yard.

2.1.5 Area E – Material Storage Areas

Two material storage areas are located 1) immediately north of Area D, and 2) approximately 1,500 feet north of Area D along the access road to the former mine pit.

2.2 Physical Setting

Based on the United States Geological Survey (USGS) 7.5-minute Calumet, Minnesota quadrangle, ground surface elevations across the Site range from approximately 1,330 ft above mean sea level (MSL), corresponding to the approximate water surface elevation of the Hill Annex Mine Pit, to approximately 1,570 ft above MSL at the crest of the mine stockpile located in the southeastern portion of the Site.

Soil mapping published by the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) indicates that surficial soils at the Site primarily consist of fine sandy loam of the Nashwauk soil unit and fine sandy loam of the Pengilly–Winterfield soil association.

Bedrock in the vicinity of the Site is mapped as the Biwabik Iron Formation, which consists primarily of chert and iron-rich rock. The formation includes thick-bedded granular chert with iron silicates, magnetite, and hematite, along with thinner-bedded layers of iron silicates and carbonate rock containing magnetite and hematite (reference (7)). Depth to bedrock in the area of the Site is reported to be less than approximately 100 ft bgs, except in artificial ground surface areas such as mining stockpiles.

Regional groundwater depth in the Site vicinity is anticipated to occur at approximately 100 ft bgs, with local depth varying due to topographic relief and hydrogeologic conditions. Perched groundwater conditions were encountered during prior subsurface investigations conducted near existing Site buildings, with observed groundwater depths ranging from approximately 7 to 14 ft bgs. Assuming groundwater flow generally reflects surface topography, shallow groundwater flow within unconsolidated materials in the Site area is expected to flow toward the Hill Annex Mine Pit. Local groundwater flow directions may vary seasonally and may also be influenced by nearby surface water features, water supply wells, and surrounding wetlands.

2.3 Previous Environmental Investigations

Numerous environmental investigations have been conducted at the Site between 1999 and 2025 to identify potential contaminants associated with petroleum storage, electrical transformer operations, building maintenance activities, and pre-demolition hazardous materials management. A summary of investigations most relevant to the Phase II is provided below.

2.3.1 1999 Petroleum Remedial Investigation (Areas A and B)

Widseth Smith Nolting prepared a *Remedial Investigation Report* dated June 30, 1999 (reference (8)), addressing two former underground storage tank (UST) locations at the Site:

- A 500-gallon fuel oil UST formerly located north of the Tourist Center (Area A)
- A 2,000-gallon gasoline UST formerly located southwest of the Train Shop (Area B)

The investigation included the collection of soil and groundwater samples from four soil borings at the Tourist Center (Area A) and eight soil borings at the Train Shop (Area B). Analytical results identified DRO in soil and groundwater at the Tourist Center location and GROs and VOCs at the Train Shop. No vapor investigation was performed at the time. According to MPCA records (reference (9)), the file associated with the UST locations (SA0004460) was closed on September 19, 2005.

2.3.2 2000 Electrical Transformer Investigations (Areas B and D)

In 2000, a Transformer Investigation Work Plan was developed specific to electrical transformer areas (reference (10)) which summarized findings from prior investigations conducted at two transformer areas and outlined additional investigation activities.

The Transformer Area 1 at the Heavy Media Plant (Area D) investigation included the collection of soil samples from seven soil borings and two hand-auger borings (Figure 6). Samples were analyzed for DRO and PCBs. The Site 1 investigation identified:

- Soil with elevated PCB concentrations in 1 of 15 soil samples. Sample HA-3 (1-2 ft bgs) had a Total PCB concentration of 14 milligrams per kilogram (mg/kg) and was located on the north side of the transformer area. The other samples had Total PCB concentrations below laboratory reporting limits and/or Residential/Recreational Soil Reference Values (SRVs) (0.82 mg/kg).
- Soil with elevated DRO concentrations (greater than 100 mg/kg) was identified in the fenced transformer area (HA-2 = 119 mg/kg; HA-3 = 18,300 mg/kg; GP-4 = 11,500 mg/kg) and in a drainage/low area to the southwest of the Motor Building (GP-2 = 15,000 mg/kg). The elevated DRO concentrations were highest in shallow soil but extended as low as 10 ft in the GP-4 boring.

The Transformer Area 2 at the Train Yard (Area B) investigation consisted of the collection of soil and water samples from four soil borings and one hand-auger boring (Figure 4). Soil samples were analyzed for DRO and PCBs and water samples were analyzed for Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) + Naphthalene, DRO, and PCBs. The Site 2 investigation identified the following:

- Total PCB concentrations were below laboratory reporting limits and/or Residential/Recreational SRVs (0.82 mg/kg). Sample HA-1 next to the transformer had the only PCB detection (0.23 mg/kg).
- Soil with elevated DRO concentrations (greater than 100 mg/kg) was identified in shallow soil in the fenced transformer area (HA-1 = 2,200 mg/kg) and in deep soil (10-19 ft bgs) an area to the northeast of the transformer (GP-9 = up to 174 mg/kg).
- Groundwater samples were collected from borings GP-7 (west of transformer), GP-9 (northeast of transformer), and GP-10 (northeast of transformer). The depth of the water table was not provided in the document but is believed to be approximately 10 ft bgs based on information from

a separate 1999 investigation (reference (8)) boring (GP-11). Analyte concentrations of PCB, BTEX, and Naphthalene were below Minnesota Department of Health (MDH) Acute Health Risk Levels (HRLs) and DRO was below 1 milligram per liter (mg/L) except for:

  - GP-9: DRO concentration of 324 mg/L.

PCBs were not detected in the water samples.

2.3.3 2025 Pre-Demolition Hazardous Building Materials Survey Report

Braun Intertec completed a Pre-Demolition Hazardous Building Materials Survey Report (reference (6)), which documented the removal of free mercury from the Electrical Shop building, located in the central portion of the Site. The investigation also included collection and laboratory analysis of building material samples for asbestos, lead-based paint, and other regulated or hazardous materials. Key findings of the report are summarized below:

- Asbestos-containing materials were identified in numerous building components across the Site, as detailed in the report.
- Lead-based paint was identified on multiple painted surfaces within Site buildings.
- Miscellaneous regulated waste items, requiring segregation and separate disposal prior to demolition, were identified within several Site structures.
- A sample of treated wood flooring from the Train Shop contained concentrations of PAHs exceeding applicable MPCA SRVs. The report recommended proper disposal of the flooring materials and collection of soil samples beneath the floor following removal.

2.3.4 2025 Mercury Abatement

A Phase I Environmental Site Assessment (reference (1)) documented the removal of free mercury from the Electrical Shop building. The report indicates that response activities included the recovery and removal of approximately one pound of liquid mercury, approximately one gram of mercury-containing debris, as well as miscellaneous wall switches and other mercury-impacted materials. Field activities were completed between July 7 and July 9, 2025. Removed mercury and associated waste materials were subsequently transported for disposal at Veolia ES Technical Solutions in Port Washington, Wisconsin, with disposal completed on August 5, 2025.

2.3.5 2025 Phase I Environmental Site Assessment

The 2025 Phase I ESA (reference (1)) identified the following RECs associated with the Site:

- The Site was operated as an iron ore mine from approximately 1912 until 1978. Given the heavy industrial nature of mining operations and the widespread presence of repair, storage, and maintenance areas across the property, the historical use of the Site for iron ore mining is considered a REC.
- USTs were removed from two Site locations in 1997, including a 500-gallon fuel oil UST formerly located north of the Tourist Center and a 2,000-gallon gasoline UST formerly located southwest of the Train Shop. Following completion of soil and groundwater investigations, the Site was granted petroleum file closure by the MPCA in 2003. Vapor sampling was not conducted as part

of the investigation, and available documentation does not indicate that active soil removal or other remediation was performed prior to Site closure. The MPCA closure letter dated June 13, 2003, states that the remaining soil and groundwater contamination does not pose a threat to human health or the environment under then-current conditions; however, it also notes that petroleum contamination should be assumed to remain if future development is planned and that the MPCA should be notified if contamination is encountered during redevelopment activities. Although vapor sampling is not anticipated to be warranted given planned building demolition, residual petroleum-impacted soils may be encountered during demolition and redevelopment activities; therefore, petroleum impacts associated with former UST use are considered a REC. Based on the removal of the tanks, the regulatory closure of the site, and the proposed industrial site use, Barr considers these locations to be Historical Recognized Environmental Conditions (HRECs).

- An elevated diesel fuel aboveground storage tank (AST), with an estimated capacity of approximately 1,000 gallons, was observed along the roadway between the Train Yard and the Heavy Media Plant in the central portion of the Site. Based on available information, this area has not been previously investigated. The potential for petroleum contamination associated with historical AST use is considered a REC.

- Floor drains and pits are present in maintenance areas within several Site buildings. Visible petroleum staining and residual chemicals are present in these areas, and the discharge locations of the floor drains and pits are unknown. Given these conditions, historical maintenance activities associated with these features are considered a REC.

- Electrical transformers were historically located at two Site areas: Electrical Transformer Site 1, north of the Heavy Media Plant, and Electrical Transformer Site 2, east of the Train Shop. Previous investigations documented PCB, VOC, and/or DRO contamination in soils associated with these areas. While transformer oils appear to have been drained and some equipment removed, residual contamination remains. A Response Action Plan addressing transformer-related impacts was prepared in 2007; however, available records do not indicate that soil remediation was implemented. The historical use of transformers, the potential for undocumented releases, and the presence of residual soil and potential groundwater impacts constitute a REC.

- As documented in the 2025 Pre-Demolition Survey Report (reference (6)) a sample of treated wood flooring in the Train Shop contained PAH concentrations exceeding applicable MPCA SRVs. The report recommended removal and proper disposal of the flooring materials and sampling of underlying soils following removal. The presence of treated wood flooring and the potential for PAH-impacted soils beneath the floor are considered a REC.

- Historical Site operations include activities known to be associated with the use of PFAS or PFAS-containing products. Given the Site's mining and maintenance history, along with the presence of floor drains and pits discharging to unknown locations, there is potential that PFAS-containing materials may have impacted Site soils. Accordingly, the potential for historical PFAS releases represents a REC.

3 Field Investigation Activities

The Phase II was completed in June 2026 based on the objectives described in Section 1 and the historical information summarized in Section 2 and followed the MPCA-reviewed Phase II work plan (reference (3)).

The Phase II included utility review and clearance activities; a Minnesota Well Index evaluation; building slab, floor feature, and drain observations; test pit excavations; soil screening and analytical sampling; and concrete sampling at locations with historical transformers. Investigation activities were completed throughout Areas B, C, D, and E of the Site. No investigation activities were conducted for Area A because 1) MPCA records indicate the historical UST file is closed (reference (8)) and 2) the area is outside the anticipated disturbance area associated with the proposed scram mining activities and no excavation is currently planned (Appendix A).

3.1 Utility Locate

Prior to intrusive investigation activities, utility clearance was completed through Gopher State One Call and consultation with Site representatives. Proposed test pit locations were reviewed and adjusted as necessary to avoid known subsurface obstructions.

3.2 Minnesota Well Index Evaluation

A desktop review of Minnesota Well Index (MWI) records was completed to identify documented wells and borings within the Phase II Site boundary, and to provide general context regarding historical subsurface investigations and borehole abandonment activities.

The review identified 150 MWI locations within the Site boundary (Figure 3). Of these locations, 59 are located within the existing Hill Annex Mine Pit and are presumed to have been mined out during historical mining operations. The remaining 91 MWI locations are situated outside of the Mine Pit and were evaluated further.

Of the 91 MWI locations outside of the Mine Pit:

- One (1) location is identified as an active well. This location consists of a DNR observation well located outside of the Phase II area.
- Seven (7) locations are identified as sealed borings. These records primarily consist of mineral exploration and environmental borings advanced between 2023 and 2024.
- The remaining 83 locations have either an unknown status or no status indicated in the MWI database. The vast majority of these records appear to be historical mineral exploration borings advanced during early mining activities between approximately 1901 and 1920. These exploration boreholes were likely drilled with a relatively small bit, somewhere in the NQ (~50 mm diameter) and HQ (~60 mm diameter) range. Prior to approximately 1989 and enactment of Minnesota Statues Chapter 1031 (Wells, Borings, and Underground Uses), these boreholes likely would have been left open, as borehole abandonment was less regulated than it is today. Over time, these boreholes have likely filled in with sediment, and it is unlikely that they would be able to be located in the field. Boreholes advanced after approximately 1989 would have been sealed according to similar standards MDH requires today under Minnesota Rules Chapter 4725.

Based on the review, no active potable water supply wells were identified within the Phase II areas. The MWI review supports the conclusion that most documented subsurface drilling locations associated with the Site consist of historical mineral exploration borings related to mining activities over 100 years ago.

3.3 Investigation Activities

3.3.1 Sampling Methods

Investigation test pits were excavated by Bougalis Inc. Test pit locations were based on historical site information provided by the facility manager, historical investigation data, field observations, and the proposed future site activities. Test pits were typically excavated to 4 ft bgs.

During the test pit investigation, Barr:

- documented soil type(s) following American Society for Testing and Materials (ASTM) methods
- field screened representative soil samples every 2 ft and/or from unique soil layers for evidence of contamination (e.g., staining, odor, sheen, elevated headspace, photoionization detector (PID) headspace readings greater than 10 parts per million (ppm), presence of historical debris or industrial fill)
- collected analytical soil samples, as described in Section 3.3.2. The number of samples, depths, and analytical parameters were based on historical site activities in that location and field screening results, as summarized in Table 1, and
- recorded test pit locations using Global Positioning System (GPS) device and photographed all test pit locations

Barr also collected samples of the concrete slabs below the transformers using a concrete core drill. The cores were approximately 1.5 inches in diameter and 2 inches long. The concrete core samples were crushed and analyzed for PCBs for the purpose of waste disposal planning.

3.3.2 Sample Types

The soil sampling approach included the collection of different types of samples based on the following rationale:

- **Discrete soil samples** are a single, location-specific sample collected from a defined depth interval within a test pit that represents in-situ soil conditions without mixing with material from other locations or depths. Discrete samples were used to identify maximum contaminant concentrations and to support delineation of contamination. They were typically collected from intervals exhibiting the highest headspace readings or other visible or olfactory evidence of contamination.
- **Composite-confirmation samples** are a mixture of soil aliquots collected from multiple test pits in areas where no apparent evidence of contamination was observed and were used as a screening tool to evaluate whether contamination may be present across a broader area. These samples were intended to provide a screening-level assessment rather than to demonstrate the absence of contamination.

- Discrete subsamples of the soil aliquot used to prepare the composite samples were collected and submitted to the lab. The discrete samples were analyzed or held at the lab, as described below:
    - For each composite sample, one discrete subsample was analyzed for volatile parameters (VOCs, DRO, GRO) , and
    - The remaining discrete subsamples were put on hold at the laboratory for future analysis of non-volatile parameters if analyte concentrations in the corresponding composite sample exceeded background concentrations.

3.3.3 Sampling Approach

In areas where contaminated soil has been previously identified (e.g., transformer areas, motor shop drainage), evidence of contamination was identified in the field (e.g., stained soil, distressed vegetation, elevated headspace), and/or a potential source of historical contamination was identified (e.g., transformer, fuel tank, equipment maintenance pit), discrete soil samples were collected from test pits to confirm whether contamination is present and to characterize waste for disposal, if contaminants are present. Analytes included one or more of the following: DRO, GRO, VOCs, RCRA metals, PAHs, and PCBs.

Samples were collected from test pits as follows:

- A discrete sample was collected from soil in approximately the top one foot of the test pit to document near-surface contamination for analysis of DRO, GRO, VOCs, RCRA metals, PAHs, and PCBs. The collection of additional, deeper discrete samples was evaluated in the field and collected if conditions significantly differed from surficial soil conditions.
- A discrete concrete sample was collected from each historical transformer pad, when present, for PCB analysis. Concrete samples were not collected at the historical transformer “exhibit” (as this is not the location where transformers were operated) and no evidence of a release was identified on the concrete or in the surrounding soil.
- A composite confirmation sample was collected in areas with previously identified historical contamination where remediation is planned (e.g., transformers, motor shop drainage). The composite-confirmation sample consisted of soil aliquots from multiple test pits around the presumed contaminated area, but with no field evidence of contamination, and was collected to confirm the extent of contamination for remediation planning purposes. Soil samples were typically collected from the top one foot unless field observations (e.g., higher headspace, suspect fill layer) indicated the potential of deeper contaminants. One associated discrete subsample was analyzed for VOCs, DRO, and/or GRO. Discrete subsamples making up the composite sample were collected and held at the lab for future analysis as needed and only analyzed if indication of contamination was observed in the results of the composite sample.
- In previously unsampled locations where the potential for contamination is was identified based on field observations (e.g., drum or equipment storage) and/or historical site use (e.g., mine operations, chemical storage) but no evidence of contamination was identified in the test pits through field screening, composite-confirmation soil samples containing soil aliquot collected from multiple test pits were collected to determine whether contamination was present in that area. Soil aliquot used in the composite samples was typically collected from the top one foot unless field

observations (e.g., higher headspace, fill layer) indicated the potential of deeper contaminants. Composite samples were analyzed, as follows:

- Each composite sample was analyzed for RCRA metals, PAHs, and PCBs.
- A discrete sample from one of the test pits was analyzed for DRO, GRO, and VOCs.
- Discrete subsamples of soil used to prepare the composite-confirmation sample were put on hold at the laboratory for future analysis of non-volatile parameters if analyte concentrations in the corresponding composite sample exceeded background concentrations.
- Standard Operating Procedure (SOP) documents for sampling and field screening are provided in Appendix B. Soil samples were submitted to the Pace Analytical laboratory in Minneapolis, Minnesota.

3.4 Building Slab Assessment

Barr observed accessible building floor conditions at the site. Accessible and visible floor conditions and features were documented in selected buildings. Observations were used to guide investigation activities and future demolition planning. Observations are summarized below.

Heavy Media Plant

- No observed slab, dirt floor (four test pits completed around building perimeter)

Locomotive Shop

- Wood covering concrete, observable concrete in good condition
- Concrete maintenance trench with discarded debris (i.e., furniture, tools, etc.)

Maintenance Shop

- Concrete floor in good/fair condition
- Concrete maintenance pit in northeast corner with 2-3 inches of debris (sampled)
- Concrete maintenance pit in southern part of building contained a liquid/sludge mix (to be sampled in subsequent phase)
- Concrete maintenance trenches filled with crushed rock (sampled)
- A sink that drained outside the building and through a pipe into the ground to an unknown discharge location was identified on the south side of the building (Figure 4).
    - Investigation and remediation of this feature, if necessary, will be described in a Response Action Plan to be submitted under a separate cover.
- A floor drain not identified in the Phase I was identified in the north room of the maintenance shop (Figure 4).

Quonset Garage

- Concrete floor approximately 1.5 ft thick, good condition (test pits completed adjacent to building)

Electrical shop

- Floor drain leading to northwest corner (test pits completed in presumed discharge location)

4 Observations and Results

This section presents the field observations and analytical results of the Phase II. The results are organized by investigation area and are intended to support evaluation of identified RECs and previously documented impacts. Each subsection documents the investigation objectives for that area, field observations, analytical sampling activities, and laboratory results.

Table 1 summarizes the test pit locations, excavation depths, maximum PID headspace readings and associated depths, analytical sample collection information, and composite sample assignments. Table 2 is a summary of the analytical soil sample results compared to regulatory criteria (Commercial/Industrial SRVs and criteria for Regulated Fill). Table 2 also includes for reference a range of regional background concentrations of metals in soil (Arsenic, Barium, Chromium, Lead, and Mercury) as presented in (reference (11)). Table 3 summarizes the analytical results exceeding regulatory criteria. Appendix C includes field test pit logs. Appendix D includes representative project photos. Appendix E includes analytical laboratory reports.

Figure 4 through Figure 7 display site features and analytical sample results that exceed SRVs and that meet the criteria for Regulated Fill.

4.1 Area B – Train Yard

4.1.1 Former Gasoline UST Area

Objective

Assess condition of soil in the vicinity of the former gasoline UST (removed 5/21/97) to determine whether residual petroleum impacts are present and, if so, at what depth and concentrations.

Test Pits and Field Observations

Test Pits (depth bgs):

B-TP40 (12 ft), B-TP42 (4 ft), B-TP43 (4 ft), B-TP44 (4 ft)

Field Observations:

In this area, ground surface conditions consist of mine-fill typical throughout the Train Yard area. Subsurface conditions generally consisted of dark red (referred to as maroon in the field logs) mine fill and silty sand with gravel transitioning to light brown to gray silty sand with trace gravel at depth. Groundwater was not encountered.

Evidence of petroleum contaminated soil (faint petroleum odor) was identified in soil screening samples at approximately 4 ft bgs. Below 4 ft bgs, the petroleum odor and soil headspace readings increased with depth. Soil headspace readings increased from 18.1 ppm at 5 ft bgs to 2,590 ppm at 12 ft bgs.

Based on the identified petroleum impacts in B-TP40, three shallow step out test pits (B-TP42 through B-TP44) were advanced to approximately 4 ft bgs to evaluate the surrounding soil conditions in the direct contact zone. Field screening results in these test pits were consistent with the shallow soil conditions in B-TP40 and minor discoloration and/or trace to light petroleum odor were observed; however, no headspace readings exceeding 10 ppm were detected.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

B-TP40-1 (3-4 ft), B-TP40-2 (11-12 ft)

Discrete soil samples were collected from B-TP40 from approximately 3 to 4 ft bgs (targeting the interval with elevated headspace readings within the accessible zone) and one from approximately 12 ft bgs (targeting the interval with the highest headspace readings to characterize deeper impacts). Both samples were analyzed for DRO, GRO, and VOCs. No analytical samples were collected from the step-out test pits due to the absence of significant field evidence of contamination.

Analytical Summary

VOC concentrations were detected in both samples with higher concentrations in the sample from 11-12 ft but no concentrations exceeded Commercial/Industrial SRVs. DRO was detected below 100 mg/kg in the sample from 3-4 ft and greater than 100 mg/kg in the sample from 11-12 ft with a concentration of 296 mg/kg. GRO was detected at a concentration of 1,390 mg/kg in the sample from 11-12 ft.

4.1.2 Transformer Area 2

Objective

Assess condition of soil in the vicinity of the Rail Yard transformer area (Transformer Area 2) to characterize previously identified contaminated soil and further delineate the extents of contamination.

Test Pits and Field Observations

Test Pits (depth bgs):

B-TP54 (4 ft), B-TP55 (4 ft), B-TP56 (4 ft), B-TP57 (4 ft), B-TP58 (4 ft), B-TP59 (4 ft), B-TP60 (4 ft), B-TP61 (4 ft)

Field Observations:

In this area, ground surface conditions consisted of mine fill typical of the Train Yard area. Subsurface conditions generally consisted of dark red mine fill with sand and gravel, underlain by brown to light brown silty sand with trace gravel.

Discoloration was observed in B-TP54 and B-TP55 and buried debris (coal, scrap material, and waste cloth) observed in B-TP57. All headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

B-TP57-1 (0.5-3 ft), B-TP58-1 (1-2 ft), B-COMP-10 (B-TP59-1 (0-2 ft) volatile discrete; B-TP55-1 (0-2 ft) hold, B-TP60-1 (0-1 ft) hold, B-TP61-1 (0-1 ft) hold), Concrete-4

Discrete soil samples (B-TP57-1 and B-TP58-1) were collected from test pits proximate to the transformer that exhibited the highest PID readings and/or field evidence of contamination for laboratory analysis.

Composite sample B-COMP-10 was collected from test pits with no identified evidence of contamination away from the transformer. Volatile analyses were run on a discrete sample from B-TP59. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory.

The soil samples were analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Concrete sample Concrete-4 was collected from the transformer pad and analyzed for PCBs.

Analytical Summary

PAHs were detected at concentrations below Commercial/Industrial SRVs in B-COMP-10, B-TP57-1, B-TP58-1. B-TP57-1 had arsenic and lead concentrations exceeding Commercial/Industrial SRVs with an arsenic concentration of 58.4 mg/kg and a lead concentration of 33,600 mg/kg. VOCs were detected below Commercial/Industrial SRVs in B-TP57-1, B-TP58-1, and B-TP59-1. DRO was detected at a concentration greater than 100 m/kg in B-TP58-1 (334 mg/kg).

Lead Toxicity Characteristic Leaching Procedure (TCLP) was analyzed on the sample from B-TP57-1. Lead TCLP was below the United States Environmental Protection Agency (EPA) toxicity characteristic limit of 5 mg/L as defined in RCRA hazardous waste regulations (40 CFR § 261.24).

PCBs were not detected in any of the analyzed soil samples or in Concrete-4.

4.1.3 Cold Storage Building

Objective

Assess condition of stained soil inside the Cold Storage Building.

Test Pits and Field Observations

Test Pit (depth bgs):

B-TP41 (1 ft)

Field Observations:

In this area, ground surface conditions consisted of a moist to dry, sub-round, and coarse sand fill.

Soil with dark staining was observed in B-TP41. All headspace readings were below 2 ppm. This test pit was located inside the building and was excavated by hand; therefore the pit was only excavated to 1-foot bgs. Additional assessment of the extent of identified contamination will be completed after the demolition of the building.

Analytical Sample Collection and Results

Analytical Sample (depth bgs):

B-TP41-1 (0-1 ft)

A discrete sample was collected from the stained earthen floor and analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Analytical Summary

VOC and PAH concentrations were detected below Commercial/Industrial SRVs in B-TP41-1. All metals detections were below Commercial/Industrial SRVs. DRO was detected greater than 100 mg/kg in B-TP41-1 (4,680 mg/kg).

4.1.4 Material Storage Area

Objective

Assess soil conditions where historical industrial materials were stored.

Test Pits and Field Observations

Test Pits (depth bgs):

B-TP36 (4 ft), B-TP37 (4 ft), B-TP38 (4 ft), B-TP39 (4 ft)

Field Observations:

In this area, ground surface conditions consisted of a moist dark red mine fill along with gravel with coarse angular sand. Subsurface conditions included a poorly graded light brown sand with trace gravel and was found to be sub-round and moist.

No evidence of contamination was identified through field screening soil from these test pits. There were no signs of discoloration, and all headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

B-COMP-07 (B-TP37-1 (0-1 ft) volatile discrete; B-TP36-1 (0-1 ft), B-TP38-1 (0-1 ft), B-TP39-1 (0-1 ft) hold)

Composite sample B-COMP-07 was collected from test pits with no identified evidence of contamination. Volatile analyses were run on a discrete sample from B-TP37. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory.

Analytical Summary

Low level metals, VOC, and PAH concentrations were detected in B-COMP-07/B-TP37-1 below their respective Commercial/Industrial SRVs. GRO was detected below 100 mg/kg in B-TP37-1 (89.6 mg/kg).

4.1.5 Maintenance Shop – Indoor

Objective

Assess condition of fill in the Maintenance Shop maintenance pits and sumps.

Test Pits and Field Observations

Test Pits (depth bgs):

B-TP64 (3.5 ft), B-TP65 (8.5 ft), B-TP66 (3.5 ft), B-TP67 (3.5 ft), B-TP68 (3.5 ft), B-TP69 (3.5 ft)

Field Observations:

In this area, B-TP66 through B-TP69 had ground surface conditions of a dry dark red gravel with a sandy silt matrix. Subsurface conditions were consistent with the ground surface until the concrete bottoms were reached at 3.5 ft. B-TP64 is a 3.5 foot-deep maintenance catch basin with a concrete bottom and had a 0.2 ft layer of organic debris. B-TP65 featured a pre-existing 8.5 ft deep hollow maintenance catch basin with a concrete bottom and had a 0.5 ft of brown liquid on top of a 1.5 ft layer of brown sludge. The sludge had a headspace of 50.1 ppm. The liquid/sludge mix will be sampled for disposal in a later phase of work.

Likely evidence of contamination was identified through field screening soil from test pits B-TP64 and B-TP65. Both of the aforementioned test pits had forms of discoloration, odor, and had headspace readings above 2 ppm. The remaining test pits had no signs of discoloration, and headspace readings were found to be below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

B-TP64-1 (3.3-3.5 ft), B-TP66-1 (0-3.5 ft), B-TP67-1 (0-3.5 ft), B-TP68-1 (0-3.5 ft), B-TP69-1 (0-3.5 ft)

Discrete soil samples (B-TP64-1, B-TP66-1, B-TP67-1, B-TP68-1, and B-TP69-1) were collected from maintenance trenches and pits within the maintenance shop and analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Analytical Summary

Metals were detected below Commercial/Industrial SRVs in all samples from this area. PAHs were detected at concentrations below Commercial/Industrial SRVs in B-TP64-1, B-TP66-1, B-TP67-1, and B-TP68-1. PCBs were detected at concentrations below Commercial/Industrial SRVs in B-TP64-1, B-TP67-1, and B-TP68-1. DRO was detected greater than 100 mg/kg in B-TP64-1 with a concentration of 9,950 mg/kg.

4.1.6 Locomotive Repair Shop - Indoor

Objective

Assess condition of soil beneath the wooden floor of the Locomotive Repair shop and sediment in an apparent drainage sump.

Test Pits and Field Observations

Test Pits (depth bgs):

B-TP62, B-TP63

Field Observations:

In this area, ground surface conditions consisted of a wood floor underlain by a thin layer (approximately 0.1 ft thick) of dry brown silt with sand and trace glass and wood debris. This layer was underlain by a concrete slab. Analytical samples were collected from the thin layer of brown silt.

No definitive evidence of contamination was identified through field screening soil from these test pits. There were indications of a creosote odor with a sign of discoloration in B-TP63. All headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

B-TP62-1, B-TP63-1

Discrete soil samples (B-TP62-1, B-TP63-1) were collected from the wood and underlaying silt floor on top of the concrete of the locomotive repair shop. The samples were analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Analytical Summary

B-TP62-1 and B-TP63-1 had arsenic and lead concentrations exceeding Commercial/Industrial SRVs with arsenic concentrations of 16.2 mg/kg and 17.1 mg/kg in B-TP62-1 and B-TP63-1, respectively, and lead concentrations of 512 mg/kg and 2,830 mg/kg in B-TP62-1 and B-TP63-1, respectively. PAHs were detected above Commercial/Industrial SRVs with benzo(a)pyrene (B(a)P) equivalents of 26 mg/kg and 130 mg/kg in B-TP62-1 and B-TP63-1, respectively. Low level VOCs were detected below Commercial/Industrial SRVs in both samples from this area. PCBs were detected in both samples from this area, but concentrations were below Commercial/Industrial SRVs. DRO was detected at a concentration greater than 100 m/kg in B-TP62-1 (2,800 mg/kg) and B-TP63 (8,400 mg/kg).

Lead TCLP was analyzed on the samples from B-TP62-1 and B-TP63-1. Lead TCLP detections were below the EPA TCLP Rule of 20 criteria of 5 mg/l.

4.1.7 Transformer Exhibit

Objective

Assess condition of soil in the vicinity of the historical transformer exhibit.

Test Pits and Field Observations

Test Pits (depth bgs):

B-TP32 (4 ft), B-TP33 (4 ft), B-TP34 (4 ft), B-TP35 (4 ft)

Field Observations:

In this area, ground surface conditions around the transformer exhibit consisted of mine fill typical of the Train Yard area. Subsurface conditions generally consisted of dark red mine fill with sand and gravel, underlain by brown to light brown silty sand with trace gravel.

No definitive evidence of contamination was identified through field screening soil from these test pits. Discoloration and trace amounts of industrial fill (e.g., coal) were observed in each test pit. All headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

B-COMP-06 (B-TP35-1 (0-1 ft) volatile discrete; B-TP32-1 (0-1 ft), B-TP33-1 (0-1 ft), B-TP34-1 (0-1 ft), hold) B-TP35-2 (1.8-2.8 ft)

Composite sample B-COMP06 was collected from test pits with no identified evidence of contamination around the transformer exhibit. Volatile analyses were run on a discrete sample from B-TP35. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory.

A discrete sample was collected from the discolored interval in B-TP35 (B-TP35-2 (1.8-2.8 ft)).

The soil samples were analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Analytical Summary

Metals were detected below Commercial/Industrial SRVs in the composite sample taken from 0-1 ft. Arsenic was detected above the Commercial/Industrial SRV of 9 mg/kg in a discrete sample collected from B-TP35-2 1.8-2.8 ft with a concentration of 11.8 mg/kg. Concentrations of PAHs and VOCs were detected below Industrial/ Commercial SRVs in B-COMP-06 and B-TP35-2. DRO and GRO concentrations were below 100 mg/kg in both B-COMP-06 and B-TP35-2 however the sum of DRO and GRO is greater than 100 mg/kg in B-TP35-2 (103.1 mg/kg).

4.1.8 Quonset Garage

Objective

Assess condition of soil in the vicinity of the Quonset Garage.

Test Pits and Field Observations

Test Pits (depth bgs):

B-TP52 (4 ft), B-TP53 (4 ft)

Field Observations:

In this area, ground surface conditions consisted of a dark red mine fill along with angular gravel and silty sand. Subsurface conditions included a moist, poorly graded light brown sand with gravel. Deeper subsurface conditions saw a layer that resembled the ground surface layer.

No definitive evidence of contamination was identified through field screening soil from these test pits. There were no signs of discoloration, and all headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

B-COMP-09 (B-TP52-1 (0-1 ft), B-TP53-1 (0-1 ft) volatile discrete)

Composite sample B-COMP-09 was collected from test pits with no identified evidence of contamination. Volatile analyses were run on a discrete sample from B-TP53. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory.

The soil samples were analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Analytical Summary

Metals, PAHs, and PCBs were detected below Commercial/Industrial SRVs in B-COMP-09. DRO was detected greater than 100 mg/kg in B-TP53-1 (109 mg/kg).

4.1.9 Docking Area

Objective

Assess condition of soil in the vicinity of the Docking Area.

Test Pits and Field Observations

Test Pits (depth bgs):

B-TP45 (4 ft), B-TP46 (4 ft), B-TP47 (4 ft), B-TP48 (4 ft), B-TP49 (4 ft), B-TP50 (4 ft), B-TP51 (4 ft)

Field Observations:

In this area, ground surface conditions consisted of a moist, coarse to fine silty sand, dark red mine fill along with gravel. Subsurface conditions consisted of a thin layer of organics and mine waste followed by a moist, light brown to light gray silty sand with medium to trace gravel and black and dark red streaking. B-TP46, B-TP47, B-TP48 and B-TP51 were found to have waste debris such as railroad ties.

Probable evidence of contamination was identified through field screening soil from these test pits. B-TP48, B-TP50 and B-TP51 were found to have headspace readings above 2 ppm along with trace organic odors in B-TP48 and B-TP51. All test pits were found to have no signs of discoloration.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

B-TP48-1 (2-3 ft), B-COMP-08 (B-TP45-1 (0-1 ft), B-TP46-1 (0-1 ft), B-TP47-1 (0-1 ft), B-TP49-1 (0-1 ft), B-TP50-1 (0-1 ft), B-TP51-1 (0-1 ft) volatile discrete)

Discrete soil sample (B-TP48-1) was collected from the where a petroleum odor was identified for laboratory analysis.

Composite sample B-COMP-08 was collected from test pits with no identified evidence of contamination surrounding B-TP48. Volatile analyses were run on a discrete sample from B-TP51. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory.

The soil samples were analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Analytical Summary

Metals, PAHs, and PCBs were detected below Commercial/Industrial SRVs in B-COMP-08. DRO was detected greater than 100 mg/kg in B-TP51-1 (125 J- mg/kg). Metals, PAHs, VOCs, and PCBs were detected below Commercial/Industrial SRVs in B-TP48-1. DRO and GRO concentrations were detected below 100 mg/kg in B-TP48-1.

4.2 Area C – Electrical Shop

4.2.1 Electrical Shop Drainage

Objective

Assess condition of soil in the vicinity of the Electrical Shop Drainage on the north side of the building.

Test Pits and Field Observations

Test Pits (depth bgs):

C-TP76 (4 ft), C-TP77 (4 ft), C-TP78 (4 ft)

Field Observations:

In this area, ground surface conditions consisting of a moist dark red mine fill with angular gravel and a silty sand matrix. Subsurface conditions included a moist, silty fine sand and sub-round gravel. C-TP78 did have a 0.5 ft layer of organic silt as the ground surface but maintained the other characteristics below it.

No definitive evidence of contamination was identified through field screening soil from these test pits. There were no signs of discoloration, and all headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

C-COMP-12 (C-TP76-1 (0-1 ft), C-TP77-1 (0-1 ft), C-TP78-1 (0-1 ft) volatile discrete)

Composite sample C-COMP-12 was collected from test pits with no identified evidence of contamination. Volatile analyses were run on a discrete sample from C-TP78. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory.

The soil samples were analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Analytical Summary

Metals and PAHs were detected below Commercial/Industrial SRVs in C-COMP-12. DRO was detected at a concentration less than 100 mg/kg in C-TP78-1.

4.2.2 Electrical Shop Transformer

Objective

Assess condition of soil in the vicinity of the Electrical Shop Transformer.

Test Pits and Field Observations

Test Pit (depth bgs):

C-TP71 (4 ft)

Field Observations:

In this area, ground surface conditions consisting of a moist dark red mine fill with angular gravel, cobbles, and a silty sand matrix.

No definitive evidence of contamination was identified through field screening soil from these test pits. There were no signs of discoloration, and all headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Sample (depth bgs):

C-TP71-1 (0-1 ft), a surface soil sample (SS-1 (0-0.5 ft)) was collected for PCB analysis from the soil directly below the transformers since no concrete was encountered.

A discrete sample was collected from C-TP71 near the electrical shop transformer and analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Analytical Summary

Metals, PAHs, and VOCs were detected below Commercial/Industrial SRVs in C-TP71-1. DRO and GRO were detected at concentrations less than 100 mg/kg in C-TP71-1.

PCBs were not detected in SS-1.

4.2.3 Electrical Shop AST

Objective

Assess condition of soil in the vicinity of the Electrical Shop AST.

Test Pits and Field Observations

Test Pit (depth bgs):

C-TP70 (4 ft)

Field Observations:

In this area, ground surface conditions consisting of a moist dark red mine fill with silty sand and sub-round to sub-angular gravel. Subsurface conditions included a moist, dark gray sandy silt with trace coal and slag as well as soil resembling the ground surface.

No definitive evidence of contamination was identified through field screening soil from these test pits. There were no signs of discoloration, and all headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Sample (depth bgs):

C-TP70-1 (0-1.5 ft)

A discrete sample was collected from C-TP70 near the electrical shop AST and analyzed for DRO and PVOCs.

Analytical Summary

PVOC detections below Commercial/Industrial SRVs and DRO less than 100 mg/kg were observed in C-TP70-1.

4.2.4 Material Storage Area

Objective

Assess condition of soil in the vicinity of the Material Storage Area to the north of the Electrical Shop to determine whether contamination is present.

Test Pits and Field Observations

Test Pits (depth bgs):

C-TP72 (4 ft), C-TP73 (4 ft), C-TP74 (4 ft), C-TP75 (4 ft)

Field Observations:

In this area, ground surface conditions consisting of a moist light brown and dark red sand with angular gravel, cobbles and a sandy silt matrix. Subsurface conditions included a moist, dark brown fill with medium sand, and gravel-size coal and slag. There was also a moist, light brown, poorly graded sand with medium trace gravel. C-TP74 was found to have moist black and orange clay and slag in its subsurface. C-TP75 was found to have a distinct layer of boulders and cobbles comprised of concrete, bricks, rebar amongst a sandy silt matrix of gravel-size coal and slag.

No definitive evidence of contamination was identified through field screening soil from these test pits. There were no signs of discoloration, and all headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

C-COMP-11 (C-TP72-1 (0-1.7 ft), C-TP73-1 (0-1.7 ft), C-TP74-1 (0-1.7 ft), C-TP75-1 (0-1.7 ft) volatile discrete)

Composite sample C-COMP-11 was collected from test pits with no identified evidence of contamination and analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs. Volatile analyses were run on a discrete sample from C-TP75. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory and later analyzed for arsenic.

Analytical Summary

Arsenic exceeded Commercial/Industrial SRVs in C-COMP-11 with a concentration of 11.7 mg/kg. Due to the SRV exceedance, the discrete samples from C-TP72, C-TP73, C-TP74, and C-TP75 were analyzed for arsenic. C-TP74 was the only test pit from the area with an arsenic concentration exceeding Commercial/Industrial SRVs with a concentration of 12.1 mg/kg. PAH and VOC detections were below Commercial/Industrial SRVs in C-COMP-11 and the associated volatile discrete sample (C-TP73-1). DRO was detected at a concentration greater than 100 mg/kg in C-TP73-1 (150 mg/kg).

4.3 Area D – Heavy Media Plant Area

4.3.1 Elevated Diesel AST

Objective

Assess condition of soil in the vicinity of the Diesel AST located to the southwest of the Heavy Media Plant.

Test Pits and Field Observations

Test Pits (depth bgs):

D-TP13 (4 ft), D-TP14 (4 ft), D-TP15 (4 ft)

Field Observations:

In this area, ground surface conditions consisted of a moist, coarse, and dark red mine fill sand. Subsurface conditions included a moist, dark brown fill consisting of trace organics and coal, sand with silt, trace gravel, and trace cobbles. Below this was a layer of moist, light brown, medium-sized, poorly graded sand.

No definitive evidence of contamination was identified through field screening soil from these test pits. All headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Sample (depth bgs):

D-TP13-1 (1-2 ft)

A discrete sample was collected from D-TP13 below the valve of the elevated AST and analyzed for DRO, GRO, and VOCs.

Analytical Summary

VOCs were detected at concentrations below Commercial/Industrial SRVs. DRO and GRO were detected at concentrations less than 100 mg/kg.

4.3.2 Transformer Area 1

Objective

Assess condition of soil in the vicinity of the Transformer Area to the north of the Heavy Media Plant to characterize the previously identified contamination and further delineate the extent of contamination.

Test Pits and Field Observations

Test Pits (depth bgs):

D-TP24 (4 ft), D-TP25 (4 ft), D-TP26 (4 ft), D-TP27 (4 ft), D-TP28 (4 ft), D-TP29 (4 ft)

Field Observations:

In this area, ground surface conditions consisted primarily of a moist, dark red, angular gravel with coarse sand and cobbles. Subsurface conditions in D-TP24 and D-TP26 included a moist, light brown, poorly graded sand with sub-angular gravel. D-TP25 featured a subsurface having coarse sand, dark red gravel, and cobbles. D-TP27 was found to have a subsurface containing organic silt with sand as well as a light brown silt with trace sands. D-TP28 and D-TP29 were found to have subsurface materials primarily consisting of silty sand and gravel.

No definitive evidence of contamination was identified through field screening soil from these test pits. There were signs of discoloration in only D-TP28, being black and gray, along with a musty odor. All headspace readings were below 2 ppm except for one sample in D-TP28 being measured at 2.0 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

D-TP28-1 (0.8-2 ft), D-TP29-1 (1.5-2.5 ft), D-COMP-05 (D-TP26-1 (0-1 ft) volatile discrete; D-TP24-1 (0-1 ft), D-TP25-1 (0-1 ft), D-TP27-1 (0-1 ft) hold), Concrete-1, Concrete-2, Concrete-3

Discrete soil samples (D-TP28-1 and D-TP29-1) were collected from test pits proximate to the transformer that exhibited the highest PID readings and/or field evidence of contamination for laboratory analysis.

Composite sample D-COMP-05 was collected from test pits with no identified evidence of contamination away from the transformer. Volatile analyses were run on a discrete sample from D-TP26. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory.

The soil samples were analyzed for PCBs, PAHs, RCRA metals, DRO, GRO, and VOCs.

Concrete sample Concrete-1, Concrete-2, and Concrete-3 were collected from the transformer pad and analyzed for PCBs.

Analytical Summary

D-COMP-05 was collected from the perimeter of Transformer Area 1 and had detections of metals below Commercial/Industrial SRVs. D-TP28-1 and D-TP29-1 were collected from within Transformer Area 1. Both samples had metals, PAH, and VOC detections below Commercial/Industrial SRVs. D-TP28-1 had a total PCB concentration above Commercial/Industrial SRVs with a concentration of 13.9 mg/kg while D-TP29-1 PCB detections were below Commercial/Industrial SRVs. Both samples had detections of DRO greater than 100 mg/kg (6,290 mg/kg at D-TP28-1 and 10,200 mg/kg at D-TP29-1).

PCBs were not detected in Concrete-3 and were detected below Commercial/Industrial in Concrete-1 and Concrete-2.

4.3.3 Motor Shop and Drainage

Objective

Assess condition of soil in the vicinity of the drainage to the south of the Motor Shop building, where DRO contamination was previously identified, to determine whether contamination is present and, if so, characterize that material.

Test Pits and Field Observations

Test Pits (depth bgs):

D-TP16 (4 ft), D-TP17 (4 ft), D-TP18 (4 ft), D-TP19 (4 ft), D-TP20 (4 ft), D-TP21 (4 ft), D-TP22 (4 ft), D-TP23 (4 ft) D-TP30 (4 ft), D-TP31 (4 ft)

Field Observations:

Ten test pits (D-TP16 through D-TP25) were advanced to depths of approximately 4 ft below ground surface (bgs) in the area surrounding the motor shop, including the drainage ditch south of the building, to evaluate potential impacts associated with historical maintenance activities. Ground surface conditions consisted of mine fill typical of the Heavy Media Plant area. Subsurface conditions generally consisted of dark red gravel and coarse sand fill overlying light brown sand with gravel. In several test pits, organic silt, coal, and fill materials, including concrete fragments and slabs, were observed.

A faint petroleum odor and discoloration was identified from 2.2 to 2.7 ft bgs in D-TP21 however all headspace readings were below 2 ppm. No definitive evidence of contamination was identified through field screening soil from any other test pits in the area.

Field screening results indicated PID headspace readings ranging from approximately 0.6 to 2.1 ppm across the investigation area. A faint petroleum odor was noted during excavation of D-TP21; however, elevated headspace readings were not observed. No widespread or significant petroleum impacts were identified based on field screening results.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

D-TP16-1 (0-1 ft), D-TP17-1 (2-3.5 ft), D-TP21-1 (2.2-2.7 ft), D-TP31-1 (1.5-2.5 ft), D-COMP-03A (D-TP19-1 (0-1 ft) volatile discrete; D-TP18-1 (0-1 ft), D-TP22-1 (0-1 ft), D-TP23-1 (0-1 ft) hold), D-COMP-04 (D-TP23-2 (2-2.5 ft) discrete volatile; D-TP22-2 (2-2.5 ft) hold)

Three discrete soil samples were collected from D-TP16, D-TP17, and D-TP21 from intervals exhibiting the highest headspace readings and/or field evidence of potential contamination. A composite confirmation sample was collected from multiple test pits surrounding D-TP21 in areas without visible evidence of contamination to evaluate background conditions (D-COMP-3A). Additional composite sample (D-COMP-04) was collected from the unique fill interval (2-2.5 ft bgs) observed in the test pits downgradient of D-TP21.

Soil samples were analyzed for DROs, GROs, VOCs, PAHs, PCBs, and RCRA metals.

Analytical Summary

Metals and PAHs were detected at concentrations below Commercial/Industrial SRVs in D-COMP-03A. Metals, PAHs, and VOCs were detected at concentrations below Commercial/Industrial SRVs in D-COMP-04 and the associated volatile discrete sample (D-TP23-2). DRO and GRO were also detected below 100 mg/kg in D-TP23-2. Metals and PAHs were detected at concentrations below Commercial/Industrial SRVs in D-TP16-1, D-TP17-1, and D-TP31-1. Additionally, VOCs were detected at concentrations below Commercial/Industrial SRVs in D-TP-17-1. Metals, PAHs, and VOCs were detected at concentrations below Commercial/Industrial SRVs in D-TP21-1 and DRO was detected above 100 mg/kg with a concentration of 9350 mg/kg.

4.3.4 Heavy Media Plant

Objective

Assess condition of soil in the vicinity of the Heavy Media Plant building.

Test Pits and Field Observations

Test Pits (depth bgs):

D-TP09 (4 ft), D-TP10 (4 ft), D-TP11 (4 ft), D-TP12 (4 ft)

Field Observations:

In this area, ground surface conditions consisted of a moist, dark red coarse sand fill with silt and dark brown organic silt pockets. D-TP10 was found to have a ground surface of black, hard iron waste amongst fill. Subsurface conditions included moist, light brown, and subangular silty sand. Below this, the deeper subsurface conditions varied widely, consisting of coarse gravel with saturated dark red waste mine rock, gray clayey sand and black organic silt with fine sand.

No definitive evidence of contamination was identified through field screening soil from these test pits. There were no signs of discoloration, and all headspace readings were below 2 ppm.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

D-COMP-03 (D-TP12-1 (0-1 ft) discrete volatile; D-TP09-1 (0-1 ft), D-TP10-1 (0-1 ft), D-TP11-1 (0-1 ft) hold)

Composite sample D-COMP-03 was collected from test pits with no identified evidence of contamination. Volatile analyses were run on a discrete sample from D-TP12. Discrete samples associated with the composite sample locations were collected and placed on hold at the laboratory.

Analytical Summary

Metals and PAHs were detected at concentrations below Commercial/Industrial SRVs in D-COMP-03.

4.4 Area E – Material Storage Areas

4.4.1 Material Storage Area 1

Objective

Assess condition of soil in the Material Storage Area 1 located 2,000 ft northeast of the Heavy Media Plant.

Test Pits and Field Observations

Test Pits (depth bgs):

E-TP01 (4 ft), E-TP02 (4 ft), E-TP03 (4 ft), E-TP04 (4 ft)

Field Observations:

Four (4) shallow test pits (E-TP01 through E-TP04) were advanced to depths of approximately 4 ft bgs to evaluate potential impacts associated with historical material storage activities. Ground surface conditions consisted of mine fill typical of the Site. Subsurface conditions generally consisted of approximately 1 ft of dark red sandy silt overlying medium to fine light brown sand with silt and gravel.

Field screening results indicated PID headspace readings ranging from approximately 0.0 to 0.8 ppm, with no field evidence of contamination observed. No discoloration, petroleum odor, or other field indicators of contamination were identified.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

E-TP01-1 (0-1 ft), E-COMP-01 (E-TP04-1 (0-1 ft) volatile discrete; E-TP01-1 (0-1 ft), E-TP03-1 (0-1 ft) hold)

Samples Collected

A composite-confirmation soil sample (E-COMP-01) was collected from test pits exhibiting no evidence of contamination (E-TP02 through E-TP04) to evaluate background conditions. One discrete soil sample (E-TP01-1) was collected from a previously identified location of stressed vegetation to evaluate potential localized impacts. All samples were collected from a depth of 0-1 ft.

Soil samples were analyzed for PAHs, PCBs, and RCRA metals, and the discrete sample was also analyzed for DRO, GRO, and VOCs.

Analytical Summary

Metals and PAHs were detected at concentrations below Commercial/Industrial SRVs in E-COMP-01 and E-TP01-1.

4.4.2 Material Storage Area 2

Objective

Assess condition of soil in the Material Storage Area 2 located 450 ft northeast of the Heavy Media Plant.

Test Pits and Field Observations

Test Pits (depth bgs):

E-TP05 (4 ft), E-TP06 (4 ft), E-TP07 (4 ft), E-TP08 (4 ft)

Field Observations:

Four (4) shallow test pits (E-TP05 through E-TP06) were advanced to depths of approximately 4 ft bgs to evaluate potential impacts associated with historical material storage activities. Ground surface conditions consisted of mine fill typical of the Site. Subsurface conditions generally consisted of approximately 3.5 ft of dark red coarse sand fill overlying medium to fine light brown sand with gravel.

Field screening results indicated PID headspace readings ranging from approximately 1.0 to 1.3 ppm, with no field evidence of contamination observed. No staining, petroleum odor, or other indicators of contamination were identified.

Analytical Sample Collection and Results

Analytical Samples (depth bgs):

E-COMP-02 (E-TP07-1 (0-1 ft) volatile discrete; E-TP05-1 (0-1 ft), E-TP06-1 (0-1 ft), E-TP08-1 (0-1 ft) hold)

Sample Collection and Analysis

A composite-confirmation soil sample (E-COMP-02) was collected from test pits exhibiting no evidence of contamination (E-TP05, E-TP06, and E-TP08). One discrete soil sample (E-TP07-1) was collected.

The samples were analyzed for PAHs, PCBs, and RCRA metals, and the discrete sample was also analyzed for DRO, GRO, and VOCs.

Analytical Summary

Metals were detected at concentrations below Commercial/Industrial SRVs in E-COMP-02.

5 Quality Assurance and Quality Control

A review of the quality control data was conducted to assess the validity of the analytical results for the Phase II. The data quality review was performed in accordance with Barr Engineering Co. Standard Operating Procedures for data evaluation, which are based on the *National Functional Guidelines for Organic and Inorganic Data Review (*reference (12)). Soil and solid material sample analysis were performed by Pace Analytical in Minneapolis, Minnesota. Pace Analytical is accredited by the Minnesota Department of Health.

Both field sampling and laboratory analytical procedures were examined in the review. Field sampling procedures were evaluated utilizing trip blank sample analysis. Laboratory procedures were evaluated utilizing technical holding times, preservation, method blank samples, accuracy data, precision data, and data package completeness. Barr-defined qualifiers, based on EPA-defined qualifiers, were assigned for this project during the data evaluation process. Data were evaluated to the laboratory method detection limit (MDL). The EQuIS Data Qualification Module (DQM) was used to evaluate all reported data.

Data evaluated for this study was received in Pace Work Orders 10776910, 10777060, 10777061, 10777062, 10777153, and 10777154. Specific QC observations for each Pace Work Order are detailed below.

Pace Work Order 10776910 (Soil):

The sample results associated with Pace Report 10776910 were reported to the MDL. Sample results between the MDL and reporting limit (RL) were qualified “J” indicating concentrations are estimated. The technical holding times and preservation were within recommendations for the analyses associated with these results, except for VOC analysis discussed below. In addition, the method blank, accuracy data, and precision data met the applicable laboratory quality control acceptance criteria or had no significant deviations that would impact final data use except for the following:

- VOC analysis for samples B-TP37-1_0-1, B-TP40-1_3-4, B-TP35-1_0-1, B-TP41-1_0-1, B-TP35-2_1.5-2.8, and B-TP40-2_11-12 were completed one day outside the recommended 14 day hold time due to instrumentation issues within the Pace Analytical laboratory network. Anticipated impacts to the reported VOC results for the samples analyzed out of hold time should be minimal, and results are qualified with “H” qualification to indicate a holding time exceedance.

- Lead analysis completed on sample B-COMP-07_0-1 had matrix spike/matrix spike duplicate (MS/MSD) results below laboratory acceptance limits, and the lead result was qualified with J- to indicate an estimated quantity and may be biased low.

- PAH detections for acenaphthylene, naphthalene and phenanthrene were qualified with J+ to indicate an estimated quantity and may be biased high due to MS and relative percent differences (RPD) above laboratory limits for sample B-COMP-07_0-1.

- PAH and metals results with MS results outside acceptance limits, but MSD and RPD within control limits were not qualified. One trip blank sample was submitted for analysis with this workorder and results for GROs and VOCs were all non-detect.

Lastly, data completeness was evaluated by comparing the analyses requested with the data package as received. The samples were reported as specified on the respective chains of custody.

Pace Work Order 10777060 (Soil):

The sample results associated with Pace Report 10777060 were reported to the MDL. Sample results between the MDL and RL were qualified “J” indicating concentrations are estimated. The technical holding times and preservation were within recommendations for the analyses associated with these results. In addition, the method blank, accuracy data, and precision data met the applicable laboratory quality control acceptance criteria or had no significant deviations that would impact final data use except for the following:

- Barium and lead analysis completed on sample B-TP48-1_2-3 had MS/MSD results below laboratory acceptance limits, and both results were qualified with J- to indicate an estimated quantity and may be biased low.
- All reported vinyl chloride VOC sample results reported in this workorder were qualified with J- due to the reported laboratory control sample (LCS) result below laboratory acceptance limits to indicate an estimated quantity and may be biased low.
- The DRO result for sample B-TP51-1_0-1 was qualified with J- due to sample DRO surrogate recovery below lab acceptance limits. The reported DRO result was qualified with J- to indicate an estimated quantity and may be biased low. DRO results produced by sample dilution did not have surrogate recoveries evaluated or qualified.
- DRO results for sample B-T66-1_0-3.5 and B-TP68-1_0-3.5 were qualified with “UB” to indicate the analyte was detected in the associated laboratory method blank samples and is considered non-detect at the concentration reported by the laboratory. Only reported concentrations less than five times the blank detection were assigned “UB” qualification.
- One trip blank sample was submitted for analysis with this work order and results for GRO and VOCs were all non-detect.

Lastly, data completeness was evaluated by comparing the analyses requested with the data package as received. The samples were reported as specified on the respective chains of custody.

Pace Work Order 10777061 (Soil):

The sample results associated with Pace Report 10777061 were reported to the MDL. Sample results between the MDL and RL were qualified “J” indicating concentrations are estimated. The technical holding times and preservation were within recommendations for the analysis associated with these results. In addition, the method blank, accuracy data, and precision data met the applicable laboratory quality control acceptance criteria or had no significant deviations that would impact final data use except for the following:

- All reported vinyl chloride VOC sample results reported in this workorder were qualified with J- due to the reported LCS result below laboratory acceptance limits to indicate an estimated quantity and may be biased low.
- DRO was detected in the method blank sample, but associated reported sample DRO values were greater than five times the method blank concentration, and data was not qualified.
- One trip blank sample was submitted for analysis with this workorder and results for GRO and VOCs were all non-detect.

Lastly, data completeness was evaluated by comparing the analyses requested with the data package as received. The samples were reported as specified on the respective chains of custody.

Pace Workorder 10777062 (Solid Material- Concrete):

The sample results associated with Pace Report 10777062 were reported to the MDL. Sample results between the MDL and RL were qualified “J” indicating concentrations are estimated. The technical holding times and preservation were within recommendations for the analysis associated with these results. In addition, the method blank, accuracy data, and precision data met the applicable laboratory quality control acceptance criteria or had no significant deviations that would impact final data use.

Lastly, data completeness was evaluated by comparing the analyses requested with the data package as received. The samples were reported as specified on the respective chains of custody.

Pace Workorder 10777153 (Soil):

The sample results associated with Pace Report 10777153 were reported to the MDL. Sample results between the MDL and RL were qualified “J” indicating concentrations are estimated. The technical holding times and preservation were within recommendations for the analysis associated with these results. In addition, the method blank, accuracy data, and precision data met the applicable laboratory quality control acceptance criteria or had no significant deviations that would impact final data use except for the following:

- Barium was detected in the method blank sample, but the associated barium reported in the soil sample analysis was greater than five times the method blank concentration, and the data was not qualified.

- Some VOC concentrations in the LCS sample and its duplicate exceeded laboratory control limits. Associated VOC analytes in the associated soil samples were all non-detect, and data was not qualified.

Lastly, data completeness was evaluated by comparing the analyses requested with the data package as received. The samples were reported as specified on the respective chains of custody.

Pace Workorder 10777154 (Soil):

The sample results associated with Pace Report 10777154 were reported to the MDL. Sample results between the MDL and RL were qualified “J” indicating concentrations are estimated. The technical holding times and preservation were within recommendations for the analyses associated with these results, except for VOC analysis discussed below. In addition, the method blank, accuracy data, and precision data met the applicable laboratory quality control acceptance criteria or had no significant deviations that would impact final data use except for the following:

- VOC analysis for samples D-TP26-1_0-1, D-TP19-1_0-1, D-TP21-1_2.2-2.7, D-TP16-1_0-1, D-TP13-1_1-2, D-TP17-1_2-3.5, and D-TP23-2_2-2.5 were completed one day outside the recommended 14 day hold time due to instrumentation issues within the Pace Analytical laboratory network. Anticipated impacts to the reported VOC results for the samples analyzed out of hold time should be minimal, and results are qualified with “H” qualification to indicate a holding time exceedance.

6 Summary and Conclusions

Barr completed the Phase II at the Hill Annex Mine to evaluate potential environmental impacts associated with RECs identified in the 2025 Phase I ESA and previous environmental investigations. A total of 78 test pits were advanced across the Site. Test pits were generally completed to depths of approximately 4 ft bgs to target the accessible soil zone associated with future industrial use of the Site. A deeper excavation was completed at the site of a former UST to confirm the presence and general magnitude of residual petroleum impacts rather than fully delineate their vertical extent. Samples were also collected from maintenance pits and concrete pads where contamination was suspected. Representative samples were field screened and submitted to the laboratory for analysis. Analytical testing included one or more of the following parameters: VOCs, GRO, DRO, PAHs, PCBs, RCRA metals, and TCLP lead.

Subsurface conditions encountered during the investigation were generally consistent across the Site and consisted of industrial mine fill characterized by reddish-maroon sand, gravel, cobbles, and mine waste materials overlying native tan-colored to gray sand and silty sand. Buried debris, coal, slag, railroad-related materials, and other industrial fill were encountered locally. Groundwater was not encountered during the investigation.

Analytical sample concentrations exceeding either MPCA Commercial/Industrial SRVs or MPCA Regulated Fill criteria were identified in the following locations:

- Petroleum-related impacts (DRO and/or GRO exceeding the MPCA Regulated Fill criterion of 100 mg/kg) were identified at multiple locations in Areas B, C, and D. The highest concentrations were associated with the Maintenance Shop maintenance pit, the Cold Storage Building, the Locomotive Repair Building floor underlay material, Transformer Area 2, Transformer Area 1, the Motor Shop drainage, and at depth at the former UST location. Several other locations exhibited only localized low-level petroleum impacts slightly above the regulated fill criterion.

- PCB contamination exceeding the Commercial/Industrial SRV was confirmed within Transformer Area 1 (D-TP28-1), where a total PCB concentration of 13.9 mg/kg was measured. This concentration is comparable to PCB concentrations previously documented during the 2000 transformer investigation in the same area (reference (10)).

- Elevated lead concentrations were identified in Transformer Area 2 and beneath the Locomotive Repair Shop floor. The highest lead concentration measured during the investigation was 33,600 mg/kg in sample B-TP57-1. However, these impacts were reasonably delineated because 1) the Locomotive Repair Shop samples were associated with floor underlay material, a dry brown silt with sand material only found between the wood floor and the underlying concrete slab and 2) step-out test pits outside of the Transformer Area 2 sample (B-TP57-1) indicated no SRV exceedances.

- TCLP lead analysis was performed on the three samples which exceeded the SRV. TCLP lead results were all below the toxicity characteristic as defined in RCRA hazardous waste regulations (40 CFR § 261.24).

- Arsenic concentrations exceeding Commercial/Industrial SRVs were identified in several investigation areas, including Transformer Area 2, the Transformer Exhibit area, the Electrical Shop Material Storage Area, and beneath the Locomotive Repair Shop floor. However, with the

exception of Transformer Area 2, all of these values were within the range of regional background concentrations (reference (11)). Step-out test pits outside of the Transformer Area 2 sample (B-TP57-1) indicated no SRV exceedances, suggesting the observed higher arsenic concentrations are localized to the B-TP57-1 location within Transformer Area 2.

- PAHs exceeding Commercial/Industrial SRVs were identified beneath the Locomotive Repair Shop floor, consistent with historical observations related to treated wood and railroad-related materials.
- VOCs were detected in numerous samples; however, no VOC concentrations exceeded applicable Commercial/Industrial SRVs.

The Heavy Media Plant perimeter, Electrical Shop drainage area, Electrical Shop AST area, and Material Storage Areas in Area E, did not exhibit contaminant concentrations exceeding applicable criteria.

The investigation results generally corroborate Site conditions documented in previous investigations. Contaminant exceedances were concentrated within areas associated with historical transformers, petroleum handling and storage activities, maintenance operations, and railroad-related infrastructure.

Site features not fully evaluated as part of this Phase II included the following which could not be evaluated until buildings are removed:

- soils located beneath building foundations and slabs.
- sink discharge feature identified within the Maintenance Shop
- a transformer area observed south of the Site property line, on land not owned by IRRR, but anticipated to be part of the scram mining project.

Evaluation of these features, if warranted, may be completed during subsequent redevelopment, demolition, or response action activities.

7 References

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Tables

Table 1
Test Pit Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

Test Pit ID	Location	Test Pit Depth (ft bgs)	Industrial Fill (ft bgs)	Highest Headspace		Analytical Samples			Notes
				PID (ppm)	Depth (ft bgs)	Discete ID	Depth (ft bgs)	Composite	
B-TP32	Transformer Exhibit	4	1.8 - 3.5	0.2	1.8 - 2.5	B-TP32-1	0 - 1	B-COMP-06	
B-TP33	Transformer Exhibit	4	1.8 - 2.8	0.7	0 - 1.8	B-TP33-1	0 - 1	B-COMP-06	
B-TP34	Transformer Exhibit	4	1.8 - 2.5	0.9	1 - 1.8	B-TP34-1	0 - 1	B-COMP-06	
B-TP35	Transformer Exhibit	4	1.8 - 2.8	2.0	1.8 - 2.8	B-TP35-1 B-TP35-2	0 - 1 1.8 - 2.8	B-COMP-06	
B-TP36	Cold Storage Building / Material Storage Area	4	Not Present	1.4	1 - 2	B-TP36-1	0 - 1	B-COMP-07	
B-TP37	Cold Storage Building / Material Storage Area	4	Not Present	1.8	1 - 2	B-TP37-1	0 - 1	B-COMP-07	
B-TP38	Cold Storage Building / Material Storage Area	4	Not Present	1.4	1 - 1.3	B-TP38-1	0 - 1	B-COMP-07	
B-TP39	Cold Storage Building / Material Storage Area	4	Not Present	1.4	1 - 2	B-TP39-1	0 - 1	B-COMP-07	
B-TP40	Former Gasoline UST Area	12	Not Present	2,590	10 - 11.7	B-TP40-1 B-TP40-2	3 - 4 11 - 12	N/A	
B-TP41	Cold Storage Building	1	Not Present	0.3	0 - 1	B-TP41-1	0 - 1	N/A	
B-TP42	Former Gasoline UST Area	4	Not Present	7.9	1 - 2	N/A	N/A	N/A	
B-TP43	Former Gasoline UST Area	4	Not Present	3.8	3 - 4	N/A	N/A	N/A	
B-TP44	Former Gasoline UST Area	4	Not Present	0.6	1 - 3	N/A	N/A	N/A	
B-TP45	Docking Area	4	Not Present	0.4	0 - 1	B-TP45-1		B-COMP-08	
B-TP46	Docking Area	4	Not Present	0.8	1 - 2	B-TP46-1	0 - 1	B-COMP-08	
B-TP47	Docking Area	4	Not Present	1.6	1 - 3	B-TP47-1	0 - 1	B-COMP-08	
B-TP48	Docking Area	4	Not Present	10.7	2 - 3	B-TP48-1	2 - 3	N/A	moderate petro odor 2 - 3 feet
B-TP49	Docking Area	4	Not Present	1.1	0 - 1	B-TP49-1	0 - 1	B-COMP-08	

Table 1
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Test Pit ID	Location	Test Pit Depth (ft bgs)	Industrial Fill (ft bgs)	Highest Headspace		Analytical Samples			Notes
				PID (ppm)	Depth (ft bgs)	Discete ID	Depth (ft bgs)	Composite	
B-TP50	Docking Area	4	Not Present	2.1	1 - 2	B-TP50-1	0 - 1	B-COMP-08	
B-TP51	Docking Area	4	Not Present	3.0	2 - 3	B-TP51-1	0 - 1	B-COMP-08	
B-TP52	Quonset Hut	4	Not Present	1.2	2.5 - 4	B-TP52-1	0 - 1	B-COMP-09	
B-TP53	Quonset Hut	4	Not Present	1.1	0.7 - 2	B-TP53-1	0 - 1	B-COMP-09	
B-TP54	Transformer Area 2	4	0.8 - 3.0	0.6	0 - 0.8	N/A	N/A	N/A	
B-TP55	Transformer Area 2	4	1.5 - 2.5	0.5	0 - 1.5	B-TP55-1	0 - 2	B-COMP-10	
B-TP56	Transformer Area 2	4	Not Present	1.2	3 - 4	N/A	N/A	N/A	
B-TP57	Transformer Area 2	4	0.5 - 3.0	0.6	0 - 0.5	B-TP57-1	0.5 - 3	N/A	
B-TP58	Transformer Area 2	4	Not Present	0.8	0 - 1	B-TP58-1	1 - 2	N/A	
B-TP59	Transformer Area 2	4	Not Present	1.0	2 - 4	B-TP59-1	0 - 2	B-COMP-10	
B-TP60	Transformer Area 2	4	Not Present	0.2	1 - 2	B-TP60-1	0 - 1	B-COMP-10	
B-TP61	Transformer Area 2	4	Not Present	0.7	2 - 4	B-TP61-1	0 - 1	B-COMP-10	
B-TP62	Locomotive Repair Shop	below wood	Not Present	0.6	N/A	B-TP62-1	N/A	N/A	no staining on wood
B-TP63	Locomotive Repair Shop	below wood	Not Present	0.6	N/A	B-TP63-1	N/A	N/A	dark staining on wood
B-TP64	Maintenance Shop - Drainage Pit	3.5	Not Present	4.7	3.3 - 3.5	B-TP64-1	3.3 - 3.5	N/A	concrete bottom and sides
B-TP65	Maintenance Shop - Drainage Pit	8.5	Not Present	50.1		N/A	N/A	N/A	liquid and sludge in pit, concrete bottom and sides
B-TP66	Maintenance Shop -Trench	3.5	Not Present	0.7	0 - 3.5	B-TP66-1	0 - 3.5	N/A	concrete bottom and sides
B-TP67	Maintenance Shop -Trench	3.5	Not Present	0.6	0 - 3.5	B-TP67-1	0 - 3.5	N/A	concrete bottom and sides
B-TP68	Maintenance Shop -Trench	3.5	Not Present	0.2	0 - 3.5	B-TP68-1	0 - 3.5	N/A	concrete bottom and sides
B-TP69	Maintenance Shop -Trench	3.5	Not Present	0.7	0 - 3.5	B-TP69-1	0 - 3.5	N/A	concrete bottom and sides

Table 1
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Test Pit ID	Location	Test Pit Depth (ft bgs)	Industrial Fill (ft bgs)	Highest Headspace		Analytical Samples			Notes
				PID (ppm)	Depth (ft bgs)	Discete ID	Depth (ft bgs)	Composite	
C-TP70	Electrical Shop AST	4	1.0 - 1.5	0.7	1 - 1.5	C-TP70-1	0 - 1.5	N/A	
C-TP71	Electrical Shop Transformer	4	Not Present	0.8	2 - 4	C-TP71-1	0 - 1	N/A	
C-TP72	Electrical Shop Material Storage Area	4	1.0 - 1.7	0.8	1.7 - 4	C-TP72-1	0 - 1.7	C-COMP-11	
C-TP73	Electrical Shop Material Storage Area	4	1.0 - 1.7	0.7	0 - 1	C-TP73-1	0 - 1.7	C-COMP-11	
C-TP74	Electrical Shop Material Storage Area	4	3.5 - 3.8	0.7	1.7 - 3.5	C-TP74-1	0 - 1.7	C-COMP-11	
C-TP75	Electrical Shop Material Storage Area	4	0.8 - 4.0	0.4	0 - 1	C-TP75-1	0 - 1.7	C-COMP-11	
C-TP76	Electrtical Shop Drainage Area	4	Not Present	0.6	2 - 4	C-TP76-1	0 - 1	C-COMP-12	
C-TP77	Electrtical Shop Drainage Area	4	Not Present	0.7	0 - 2	C-TP77-1	0 - 1	C-COMP-12	
C-TP78	Electrtical Shop Drainage Area	4	Not Present	0.8	0 - 1	C-TP78-1	0 - 1	C-COMP-12	pipes leading to building

Table 1
Test Pit Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

Test Pit ID	Location	Test Pit Depth (ft bgs)	Industrial Fill (ft bgs)	Highest Headspace		Analytical Samples			Notes
				PID (ppm)	Depth (ft bgs)	Discete ID	Depth (ft bgs)	Composite	
D-TP09	Heavy Media Plant	4	Not Present	1.2	3 - 4	D-TP09-1	0 - 1	D-COMP-03	water at 3 feet bgs, coming in from gravel around foundation. Water had red foam on surface.
D-TP10	Heavy Media Plant	4	Not Present	1.6	3 - 4	D-TP10-1	0 - 1	D-COMP-03	
D-TP11	Heavy Media Plant	4	Not Present	1.8	2.5 - 4	D-TP11-1	0 - 1	D-COMP-03	
D-TP12	Heavy Media Plant	4	Not Present	1.6	0 - 1	D-TP12-1	0 - 1	D-COMP-03	
D-TP13	Elevated Diesel AST	4	1.0 - 2.5	0.3	1 - 2	D-TP13-1	1 - 2	N/A	
D-TP14	Elevated Diesel AST	4	1.0 - 2.0	0.6	0 - 1	N/A	N/A	N/A	
D-TP15	Elevated Diesel AST	4	0.8 - 2.0	0.8	2 - 4	N/A	N/A	N/A	
D-TP16	Motor Shop	4	Not Present	0.9	0 - 1.3	D-TP16-1	0-1	N/A	
D-TP17	Motor Shop	4	2.0 - 3.5	1.6	2 - 3.5	D-TP17-1	2-3.5	N/A	fill with coal 2-3.5 feet
D-TP18	Motor Shop Drainage	4	Not Present	1.6	2 - 3.5	D-TP18-1	0 - 1	D-COMP-03A	
D-TP19	Motor Shop Drainage	4	Not Present	1.6	2 - 4	D-TP19-1	0 - 1	D-COMP-03A	
D-TP20	Motor Shop Drainage	4	Not Present	1.6	1 - 3.5 3.5 - 4	N/A	N/A	N/A	1.6 ppm soil headspace was measured at two depth intervals
D-TP21	Motor Shop Drainage	4	Not Present	1.6	2.2 - 2.7	D-TP21-1	2.2 - 2.7	N/A	petroleum odor while excavating but no elevated headspace
D-TP22	Motor Shop Drainage	4	Not Present	0.8	2.5 - 4	D-TP22-1 D-TP22-2	0 - 1 2 - 2.5	D-COMP-03A D-COMP-04	fill with trace coal 2 - 2.5 feet
D-TP23	Motor Shop Drainage	4	Not Present	1.6	2 - 2.7	D-TP23-1 D-TP23-2	0 - 1 2 - 2.5	D-COMP-03A D-COMP-04	fill with trace coal 2 - 2.5 feet
D-TP24	Transformer Area 1	4	Not Present	1.2	1 - 3	D-TP24-1	0 - 1	D-COMP-05	
D-TP25	Transformer Area 1	4	Not Present	1.2	3 - 4	D-TP25-1	0 - 1	D-COMP-05	
D-TP26	Transformer Area 1	4	Not Present	1.2	0 - 1	D-TP26-1	0 - 1	D-COMP-05	
D-TP27	Transformer Area 1	4	Not Present	0.9	1 - 2	D-TP27-1	0 - 1	D-COMP-05	
D-TP28	Transformer Area 1	4	0.8 - 2.0	2.0	2 - 4	D-TP28-1	0.8 - 2	N/A	
D-TP29	Transformer Area 1	4	Not Present	1.0	0 - 1.5	D-TP29-1	1.5 - 2.5	N/A	
D-TP30	Motor Shop Drainage	4	Not Present	1.2	2 - 3.5	N/A	N/A	N/A	
D-TP31	Motor Shop Drainage	4	Not Present	2.1	1.5 - 2.5	D-TP31-1	1.5 - 2.5	N/A	

Table 1
Test Pit Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

Test Pit ID	Location	Test Pit Depth (ft bgs)	Industrial Fill (ft bgs)	Highest Headspace		Analytical Samples			Notes
				PID (ppm)	Depth (ft bgs)	Discete ID	Depth (ft bgs)	Composite	
E-TP01	Material Storage Area 1	4	Not Present	0.3	0 -1	E-TP01-1	0 - 1	N/A	Distressed vegetation
E-TP02	Material Storage Area 1	4	Not Present	0.4	0 - 1	E-TP02-1	0 - 1	E-COMP-01	
E-TP03	Material Storage Area 1	4	Not Present	0.4	0 - 1	E-TP03-1	0 - 1	E-COMP-01	
E-TP04	Material Storage Area 1	4	Not Present	0.8	0 - 1	E-TP04-1	0 - 1	E-COMP-01	
E-TP05	Material Storage Area 2	4	Not Present	1.1	0 - 1	E-TP05-1	0 - 1	E-COMP-02	
E-TP06	Material Storage Area 2	4	Not Present	1.1	0 - 1	E-TP06-1	0 - 1	E-COMP-02	
E-TP07	Material Storage Area 2	4	Not Present	1.3	0 - 1	E-TP07-1	0 - 1	E-COMP-02	
E-TP08	Material Storage Area 2	4	Not Present	1.1	0 - 1	E-TP08-1	0 - 1	E-COMP-02	

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	**Transformer Exhibit**			**Cold Storage Building / Material Storage Area**					
			Location ID	**B-COMP-06**	**B-TP35-1**	**B-TP35-2**	**B-COMP-07**	**B-TP36-1**	**B-TP37-1**	**B-TP38-1**	**B-TP39-1**
			Date	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**
			Depth	**0 - 1 ft**	**0 - 1 ft**	**1.8 - 2.8 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
			Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
			Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)									
		Min	Max								
Last Updated	05/05/2026	2009									
Exceedance Key	**Bold**	Not Compared - Reference									
General Parameters											
Moisture, percent				4.7	6.7	10.8	6.3	8.9	4.0	8.4	13.4
Metals (mg/kg)											
Arsenic	**9 BTV**	0.3	32	2.5	--	**11.8**	3.3	--	--	--	--
Barium	41000	125	499	32.2	--	70.1	33.5	--	--	--	--
Cadmium	23			0.12 J	--	0.12 J	0.64	--	--	--	--
Chromium	100000 CR3	39	242	14.3	--	10.5	17.1	--	--	--	--
Lead	**460**	2	41	30.4	--	261	27.4 J-	--	--	--	--
Mercury	3.1	0.01	0.04	0.091	--	2.5	0.040	--	--	--	--
Selenium	1200			0.46 J	--	1.8	0.76 J	--	--	--	--
Silver	1200			< 0.039 U	--	< 0.044 U	1.4	--	--	--	--
TCLP Metals (mg/l)											
Lead				--	--	--	--	--	--	--	--
Semivolatile Organic Compounds (mg/kg)											
Acenaphthene	6800			0.0014 J	--	0.175	0.0054 J	--	--	--	--
Acenaphthylene				0.0023 J	--	0.132	0.0249 J+	--	--	--	--
Anthracene	42000			0.0059 J	--	0.24	0.0228	--	--	--	--
Benz(a)anthracene	T			0.0132	--	0.436	0.0342	--	--	--	--
Benzo(a)pyrene	**23 T**			0.0135	--	0.193	0.0337	--	--	--	--
Benzo(b)fluoranthene	T			0.0272	--	0.396	0.0757	--	--	--	--
Benzo(g,h,i)perylene				0.0138	--	0.15	0.0548	--	--	--	--
Benzo(k)fluoranthene	T			0.0094 J	--	0.0787	0.0212	--	--	--	--
Chrysene	T			0.0205	--	0.618	0.0587	--	--	--	--
Dibenz(a,h)anthracene	T			0.0033 J	--	0.0561	0.0123	--	--	--	--
Fluoranthene	2700			0.0238	--	0.442	0.0538	--	--	--	--
Fluorene	5800			0.0015 J	--	0.19	0.0059 J	--	--	--	--
Indeno(1,2,3-cd)pyrene	T			0.0133	--	0.105	0.0413	--	--	--	--
Naphthalene	280			0.0275	--	7.52	0.121 J+	--	--	--	--
Phenanthrene				0.0274	--	4.47	0.0805 J+	--	--	--	--
Pyrene	3200			0.0195	--	0.533	0.0541	--	--	--	--
B(a)P Equivalent, Kaplan-Meier	**23 T**			0.022 a	--	0.33	0.058	--	--	--	--
B(a)P Equivalent, non-detects at 0, 2002 PEFs	**23 T**			0.022 a	--	0.33	0.058	--	--	--	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Transformer Exhibit			Cold Storage Building / Material Storage Area				
				Location ID	B-COMP-06	B-TP35-1	B-TP35-2	B-COMP-07	B-TP36-1	B-TP37-1	B-TP38-1	B-TP39-1
				Date	6/10/2026	6/10/2026	6/10/2026	6/10/2026	6/10/2026	6/10/2026	6/10/2026	6/10/2026
				Depth	0 - 1 ft	0 - 1 ft	1.8 - 2.8 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
				Sample Type	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)										
		Min	Max									
Last Updated	05/05/2026	2009										
Exceedance Key	**Bold**	Not Compared - Reference										
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	680			--	< 0.0196 UH	< 0.0228 UH	--	--	< 0.0237 UH	--	--	
1,1,1-Trichloroethane	640			--	< 0.0182 UH	< 0.0211 UH	--	--	< 0.0220 UH	--	--	
1,1,2,2-Tetrachloroethane	230			--	< 0.0150 UH	< 0.0174 UH	--	--	< 0.0181 UH	--	--	
1,1,2-Trichloroethane	3.1			--	< 0.0175 UH	< 0.0203 UH	--	--	< 0.0212 UH	--	--	
1,1-Dichloroethane	1700			--	< 0.0160 UH	< 0.0186 UH	--	--	< 0.0194 UH	--	--	
1,1-Dichloroethylene	1200			--	< 0.0154 UH	< 0.0179 UH	--	--	< 0.0187 UH	--	--	
1,1-Dichloropropene				--	< 0.0149 UH	< 0.0172 UH	--	--	< 0.0180 UH	--	--	
1,2,3-Trichlorobenzene				--	< 0.0181 UH	< 0.0210 UH	--	--	< 0.0219 UH	--	--	
1,2,3-Trichloropropane	1.5			--	< 0.0202 UH	< 0.0234 UH	--	--	< 0.0244 UH	--	--	
1,2,4-Trichlorobenzene	87			--	< 0.0188 UH	< 0.0218 UH	--	--	< 0.0227 UH	--	--	
1,2,4-Trimethylbenzene	220			--	0.0263 HJ	1.06 H	--	--	0.0599 HJ	--	--	
1,2-Dibromo-3-chloropropane (DBCP)				--	< 0.0967 UH	< 0.112 UH	--	--	< 0.117 UH	--	--	
1,2-Dibromoethane (EDB)	2.8			--	< 0.0186 UH	< 0.0216 UH	--	--	< 0.0225 UH	--	--	
1,2-Dichlorobenzene	380			--	< 0.0170 UH	< 0.0197 UH	--	--	< 0.0205 UH	--	--	
1,2-Dichloroethane	72			--	< 0.0161 UH	< 0.0187 UH	--	--	< 0.0195 UH	--	--	
1,2-Dichloroethylene, cis	250			--	< 0.0175 UH	< 0.0203 UH	--	--	< 0.0212 UH	--	--	
1,2-Dichloroethylene, trans	210			--	< 0.0154 UH	< 0.0179 UH	--	--	< 0.0187 UH	--	--	
1,2-Dichloropropane	62			--	< 0.0176 UH	< 0.0205 UH	--	--	< 0.0213 UH	--	--	
1,3,5-Trimethylbenzene	180			--	< 0.0163 UH	0.197 H	--	--	< 0.0196 UH	--	--	
1,3-Dichlorobenzene	300			--	< 0.0156 UH	< 0.0180 UH	--	--	< 0.0188 UH	--	--	
1,3-Dichloropropane	1500			--	< 0.0183 UH	< 0.0213 UH	--	--	< 0.0222 UH	--	--	
1,3-Dichloropropene, cis				--	< 0.0197 UH	< 0.0229 UH	--	--	< 0.0239 UH	--	--	
1,3-Dichloropropene, trans				--	< 0.0181 UH	< 0.0210 UH	--	--	< 0.0219 UH	--	--	
1,4-Dichlorobenzene	200			--	< 0.0153 UH	< 0.0178 UH	--	--	< 0.0185 UH	--	--	
2,2-Dichloropropane				--	< 0.0254 UH	< 0.0295 UH	--	--	< 0.0307 UH	--	--	
Acetone	100000			--	< 0.373 UH	0.693 HJ	--	--	< 0.45 UH	--	--	
Allyl chloride	16			--	< 0.102 UH	< 0.119 UH	--	--	< 0.124 UH	--	--	
Benzene	42			--	0.0621 H	0.462 H	--	--	0.0109 HJ	--	--	
Bromobenzene	680			--	< 0.0201 UH	< 0.0233 UH	--	--	< 0.0243 UH	--	--	
Bromochloromethane				--	< 0.0183 UH	< 0.0213 UH	--	--	< 0.0222 UH	--	--	
Bromodichloromethane	930			--	< 0.0237 UH	< 0.0275 UH	--	--	< 0.0286 UH	--	--	
Bromoform	910			--	< 0.111 UH	< 0.129 UH	--	--	< 0.134 UH	--	--	
Bromomethane	55			--	< 0.202 UH	< 0.234 UH	--	--	< 0.244 UH	--	--	
Butylbenzene	110			--	< 0.0203 UH	0.104 H	--	--	< 0.0246 UH	--	--	
Butylbenzene, sec	140			--	< 0.0150 UH	0.0538 HJ	--	--	< 0.0181 UH	--	--	
Butylbenzene, tert	180			--	< 0.0171 UH	< 0.0198 UH	--	--	< 0.0206 UH	--	--	
Carbon tetrachloride	230			--	< 0.0212 UH	< 0.0246 UH	--	--	< 0.0257 UH	--	--	
Chlorobenzene	700			--	< 0.0170 UH	< 0.0197 UH	--	--	< 0.0205 UH	--	--	
Chlorodibromomethane	540			--	< 0.0575 UH	< 0.0667 UH	--	--	< 0.0695 UH	--	--	
Chloroethane	2100			--	< 0.16 UH	< 0.186 UH	--	--	< 0.194 UH	--	--	
Chloroform	31			--	< 0.0224 UH	< 0.0260 UH	--	--	< 0.0271 UH	--	--	
Chloromethane	1300			--	< 0.0358 UH	< 0.0415 UH	--	--	< 0.0432 UH	--	--	
Chlorotoluene, o	910			--	< 0.0165 UH	< 0.0191 UH	--	--	< 0.0199 UH	--	--	
Chlorotoluene, p				--	< 0.0173 UH	< 0.0201 UH	--	--	< 0.0209 UH	--	--	
Cumene (isopropyl benzene)	270			--	< 0.0145 UH	0.174 H	--	--	< 0.0175 UH	--	--	
Cymene p- (toluene isopropyl p-)				--	< 0.0152 UH	0.0735 H	--	--	< 0.0184 UH	--	--	
Dibromomethane (methylene bromide)	59			--	< 0.0237 UH	< 0.0275 UH	--	--	< 0.0286 UH	--	--	
Dichlorodifluoromethane (Freon-12)	840			--	< 0.0310 UH	< 0.0360 UH	--	--	< 0.0375 UH	--	--	

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	**Transformer Exhibit**			**Cold Storage Building / Material Storage Area**					
			Location ID	**B-COMP-06**	**B-TP35-1**	**B-TP35-2**	**B-COMP-07**	**B-TP36-1**	**B-TP37-1**	**B-TP38-1**	**B-TP39-1**
			Date	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**
			Depth	**0 - 1 ft**	**0 - 1 ft**	**1.8 - 2.8 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
			Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
			Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)									
		Min	Max								
Last Updated	05/05/2026	2009									
Exceedance Key	**Bold**	Not Compared - Reference									
Dichlorofluoromethane (Freon-21)				--	< 0.0852 UH	< 0.0989 UH	--	--	< 0.103 UH	--	--
Ethyl benzene	480			--	< 0.0195 UH	0.465 H	--	--	< 0.0236 UH	--	--
Ethyl ether	10000			--	< 0.0401 UH	< 0.0465 UH	--	--	< 0.0484 UH	--	--
Hexachlorobutadiene	17			--	< 0.0361 UH	< 0.0419 UH	--	--	< 0.0436 UH	--	--
Methyl ethyl ketone (2-butanone)	28000			--	< 0.136 UH	0.234 HJ	--	--	< 0.164 UH	--	--
Methyl isobutyl ketone (MIBK)	3400			--	< 0.112 UH	< 0.13 UH	--	--	< 0.136 UH	--	--
Methyl tertiary butyl ether (MTBE)	6300			--	< 0.0170 UH	< 0.0197 UH	--	--	< 0.0205 UH	--	--
Methylene chloride	1600			--	< 0.115 UH	< 0.134 UH	--	--	< 0.139 UH	--	--
Naphthalene	280			--	0.0553 HJ	1.78 H	--	--	0.124 HJ	--	--
Propylbenzene	260			--	< 0.0145 UH	0.234 H	--	--	< 0.0175 UH	--	--
Styrene	870			--	< 0.0187 UH	< 0.0217 UH	--	--	< 0.0226 UH	--	--
Tetrachloroethylene	170			--	< 0.0202 UH	< 0.0234 UH	--	--	< 0.0244 UH	--	--
Tetrahydrofuran				--	< 0.434 UH	< 0.504 UH	--	--	< 0.525 UH	--	--
Toluene	820			--	0.153 H	2.22 H	--	--	0.0738 H	--	--
Trichloroethylene (TCE)	20			--	< 0.0157 UH	< 0.0182 UH	--	--	< 0.0189 UH	--	--
Trichlorofluoromethane (Freon-11)	1200			--	< 0.0682 UH	< 0.0791 UH	--	--	< 0.0824 UH	--	--
Trichlorotrifluoroethane (Freon 113)	900			--	< 0.0236 UH	< 0.0273 UH	--	--	< 0.0285 UH	--	--
Vinyl chloride	56 (13)			--	< 0.0107 UH	< 0.0124 UH	--	--	< 0.0129 UH	--	--
Xylene, m & p	260 XYL			--	0.0646 HJ	2.48 H	--	--	0.0954 HJ	--	--
Xylene, o	260 XYL			--	0.0447 HJ	1.5 H	--	--	0.0649 HJ	--	--
Xylene, total	260 XYL			--	0.109 HJ	3.98 H	--	--	0.16 HJ	--	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	**Transformer Exhibit**			**Cold Storage Building / Material Storage Area**					
			Location ID	**B-COMP-06**	**B-TP35-1**	**B-TP35-2**	**B-COMP-07**	**B-TP36-1**	**B-TP37-1**	**B-TP38-1**	**B-TP39-1**
			Date	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**	**6/10/2026**
			Depth	**0 - 1 ft**	**0 - 1 ft**	**1.8 - 2.8 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
			Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
			Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)									
		Min	Max								
Last Updated	05/05/2026	2009									
Exceedance Key	**Bold**	Not Compared - Reference									
Polychlorinated Biphenyls (mg/kg)											
Aroclor 1016	PCB			< 0.0125 U	--	< 0.0139 U	< 0.0132 U	--	--	--	--
Aroclor 1221	PCB			< 0.0138 U	--	< 0.0154 U	< 0.0146 U	--	--	--	--
Aroclor 1232	PCB			< 0.0162 U	--	< 0.0180 U	< 0.0172 U	--	--	--	--
Aroclor 1242	PCB			< 0.0185 U	--	< 0.0205 U	< 0.0195 U	--	--	--	--
Aroclor 1248	PCB			< 0.0153 U	--	< 0.0170 U	< 0.0162 U	--	--	--	--
Aroclor 1254	PCB			< 0.0170 U	--	< 0.0189 U	< 0.0180 U	--	--	--	--
Aroclor 1260	PCB			< 0.0148 U	--	< 0.0165 U	< 0.0157 U	--	--	--	--
Sum of Total PCBs (Barr Calculation)	**10**			ND		ND	ND				
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range Organics, C10-C28				--	9.7	51.1	--	--	89.6	--	--
Gasoline Range Organics, C6-C10				--	< 2.8 U	52.0	--	--	< 3.1 U	--	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Docking Area			Quonset Hut		Transformer Area 2				Former Gasoline UST Area		Cold Storage Building
				Location ID	B-COMP-08	B-TP48-1	B-TP51-1	B-COMP-09	B-TP53-1	B-COMP-10	B-TP57-1	B-TP58-1	B-TP59-1	B-TP40-1	B-TP40-2	B-TP41-1
				Date	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/10/2026	6/10/2026	6/10/2026
				Depth	0 - 1 ft	2 - 3 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 2 ft	0.5 - 3 ft	1 - 2 ft	0 - 2 ft	3 - 4 ft	11 - 12 ft	0 - 1 ft
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)														
		Min	Max													
Last Updated	05/05/2026	2009														
Exceedance Key	**Bold**	Not Compared - Reference														
General Parameters																
Moisture, percent				4.9	10.2	21.5	5.4	3.9	6.2	9.4	13.1	10.2	7.2	14.7	1.1	
Metals (mg/kg)																
Arsenic	**9 BTV**	0.3	32	2.7	3.7	--	1.6	--	4.5	**58.4**	6.6	--	--	--	1.7	
Barium	41000	125	499	56.1	57.3 J-	--	93.2	--	52.3	73.3	74.9	--	--	--	45.2	
Cadmium	23			0.20	0.15 J	--	0.11 J	--	0.30	0.84	0.40	--	--	--	0.20	
Chromium	100000 CR3	39	242	16.3	16.3	--	14.1	--	17.1	21.6	16.9	--	--	--	16.2	
Lead	**460**	2	41	17.1	65.3 J-	--	6.0	--	38.9	**33600**	113	--	--	--	69.2	
Mercury	3.1	0.01	0.04	0.024	0.085	--	< 0.0082 U	--	0.024	0.057	0.036	--	--	--	0.018 J	
Selenium	1200			< 0.43 U	< 0.47 U	--	< 0.44 U	--	< 0.45 U	< 0.47 U	0.62 J	--	--	--	< 0.43 U	
Silver	1200			< 0.039 U	< 0.043 U	--	< 0.040 U	--	0.26 J	5.0	< 0.045 U	--	--	--	< 0.039 U	
TCLP Metals (mg/l)																
Lead				--	--	--	--	--	--	3.1	--	--	--	--	--	
Semivolatile Organic Compounds (mg/kg)																
Acenaphthene	6800			0.0068 J	0.0119	--	< 0.0011 U	--	0.0040 J	< 0.0060 U	0.0049 J	--	--	--	0.0183	
Acenaphthylene				0.0047 J	0.0084 J	--	< 0.0018 U	--	0.0059 J	< 0.0096 U	0.0053 J	--	--	--	0.0090 J	
Anthracene	42000			0.0097 J	0.0273	--	0.0015 J	--	0.0365	< 0.0063 U	0.0152	--	--	--	< 0.0011 U	
Benz(a)anthracene	T			0.0220	0.0611	--	< 0.0019 U	--	0.0325	0.557	0.0328	--	--	--	0.165	
Benzo(a)pyrene	**23 T**			0.0150	0.0583	--	< 0.0017 U	--	0.0321	0.233	0.0192	--	--	--	0.0676	
Benzo(b)fluoranthene	T			0.0245	0.128	--	< 0.0024 U	--	0.0886	1.25	0.0537	--	--	--	0.38	
Benzo(g,h,i)perylene				0.0220	0.116	--	< 0.0023 U	--	0.0455	0.453	0.0385	--	--	--	0.133	
Benzo(k)fluoranthene	T			0.0060 J	0.0367	--	< 0.0014 U	--	0.0300	0.28	0.0119	--	--	--	0.13	
Chrysene	T			0.0263	0.0968	--	0.0019 J	--	0.0552	1.98	0.0731	--	--	--	0.522	
Dibenz(a,h)anthracene	T			< 0.0015 U	0.0213	--	< 0.0015 U	--	0.0149	0.18	0.0088 J	--	--	--	0.0481	
Fluoranthene	2700			0.0282	0.112	--	< 0.0027 U	--	0.0486	0.768	0.0423	--	--	--	0.928	
Fluorene	5800			0.0121	0.0214	--	0.0014 J	--	0.0057 J	< 0.0062 U	0.0093 J	--	--	--	0.0281	
Indeno(1,2,3-cd)pyrene	T			0.0115	0.101	--	< 0.0021 U	--	0.0428	0.458	0.0285	--	--	--	0.127	
Naphthalene	280			0.191	0.199	--	0.0103	--	0.0912	0.599	0.141	--	--	--	0.0843	
Phenanthrene				0.116	0.159	--	0.0075 J	--	0.101	0.643	0.165	--	--	--	1.85	
Pyrene	3200			0.0332	0.0822	--	< 0.0021 U	--	0.0458	1.63	0.0352	--	--	--	0.639	
B(a)P Equivalent, Kaplan-Meier	**23 T**			0.022 a	0.1	--	NA	--	0.06	0.61	0.038 a	--	--	--	0.18	
B(a)P Equivalent, non-detects at 0, 2002 PEFs	**23 T**			0.022 a	0.1	--	0.000019 a	--	0.06	0.61	0.038 a	--	--	--	0.18	

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				Sample Location	Docking Area			Quonset Hut		Transformer Area 2				Former Gasoline UST Area		Cold Storage Building
				Location ID	B-COMP-08	B-TP48-1	B-TP51-1	B-COMP-09	B-TP53-1	B-COMP-10	B-TP57-1	B-TP58-1	B-TP59-1	B-TP40-1	B-TP40-2	B-TP41-1
				Date	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/10/2026	6/10/2026	6/10/2026
				Depth	0 - 1 ft	2 - 3 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 2 ft	0.5 - 3 ft	1 - 2 ft	0 - 2 ft	3 - 4 ft	11 - 12 ft	0 - 1 ft
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)														
		Min	Max													
Last Updated	05/05/2026	2009														
Exceedance Key	**Bold**	Not Compared - Reference														
Volatile Organic Compounds (mg/kg)																
1,1,1,2-Tetrachloroethane	680			--	< 0.0215 U	< 0.0245 U	--	< 0.0186 U	--	< 0.0242 U	< 0.0261 U	< 0.0262 U	< 0.0203 UH	< 0.0224 UH	< 0.0196 UH
1,1,1-Trichloroethane	640			--	< 0.0200 U	< 0.0228 U	--	< 0.0173 U	--	< 0.0225 U	< 0.0243 U	< 0.0243 U	< 0.0188 UH	< 0.0208 UH	< 0.0182 UH
1,1,2,2-Tetrachloroethane	230			--	< 0.0164 U	< 0.0187 U	--	< 0.0142 U	--	< 0.0185 U	< 0.0200 U	< 0.0200 U	< 0.0155 UH	< 0.0171 UH	< 0.0150 UH
1,1,2-Trichloroethane	3.1			--	< 0.0192 U	< 0.0219 U	--	< 0.0166 U	--	< 0.0216 U	< 0.0234 U	< 0.0234 U	< 0.0181 UH	< 0.0200 UH	< 0.0175 UH
1,1-Dichloroethane	1700			--	< 0.0176 U	< 0.0200 U	--	< 0.0152 U	--	< 0.0198 U	< 0.0213 U	< 0.0214 U	< 0.0166 UH	< 0.0183 UH	< 0.0160 UH
1,1-Dichloroethylene	1200			--	< 0.0169 U	< 0.0193 U	--	< 0.0146 U	--	< 0.0190 U	< 0.0206 U	< 0.0206 U	< 0.0160 UH	< 0.0176 UH	< 0.0154 UH
1,1-Dichloropropene				--	< 0.0163 U	< 0.0186 U	--	< 0.0141 U	--	< 0.0183 U	< 0.0198 U	< 0.0198 U	< 0.0154 UH	< 0.0170 UH	< 0.0148 UH
1,2,3-Trichlorobenzene				--	< 0.0198 U	< 0.0226 U	--	< 0.0172 U	--	< 0.0223 U	< 0.0241 U	< 0.0242 U	< 0.0187 UH	< 0.0207 UH	< 0.0181 UH
1,2,3-Trichloropropane	1.5			--	< 0.0221 U	< 0.0252 U	--	< 0.0192 U	--	< 0.0249 U	< 0.0269 U	< 0.0270 U	< 0.0209 UH	< 0.0231 UH	< 0.0202 UH
1,2,4-Trichlorobenzene	87			--	< 0.0206 U	< 0.0235 U	--	< 0.0178 U	--	< 0.0232 U	< 0.0251 U	< 0.0251 U	< 0.0194 UH	< 0.0215 UH	< 0.0188 UH
1,2,4-Trimethylbenzene	220			--	0.295	< 0.0210 U	--	< 0.0160 U	--	0.312	0.0592 J	0.268	0.108 H	94 H	0.154 H
1,2-Dibromo-3-chloropropane (DBCP)				--	< 0.106 U	< 0.121 U	--	< 0.0917 U	--	< 0.119 U	< 0.129 U	< 0.129 U	< 0.0999 UH	< 0.11 UH	< 0.0966 UH
1,2-Dibromoethane (EDB)	2.8			--	< 0.0204 U	< 0.0232 U	--	< 0.0176 U	--	< 0.0229 U	< 0.0247 U	< 0.0248 U	< 0.0192 UH	< 0.0212 UH	< 0.0186 UH
1,2-Dichlorobenzene	380			--	< 0.0186 U	< 0.0212 U	--	< 0.0161 U	--	0.0708 J	< 0.0226 U	< 0.0226 U	< 0.0175 UH	< 0.0194 UH	< 0.0169 UH
1,2-Dichloroethane	72			--	< 0.0177 U	< 0.0202 U	--	< 0.0153 U	--	< 0.0199 U	< 0.0215 U	< 0.0215 U	< 0.0167 UH	< 0.0184 UH	< 0.0161 UH
1,2-Dichloroethylene, cis	250			--	< 0.0192 U	< 0.0219 U	--	< 0.0166 U	--	< 0.0216 U	< 0.0234 U	< 0.0234 U	< 0.0181 UH	< 0.0200 UH	< 0.0175 UH
1,2-Dichloroethylene, trans	210			--	< 0.0169 U	< 0.0193 U	--	< 0.0146 U	--	< 0.0190 U	< 0.0206 U	< 0.0206 U	< 0.0160 UH	< 0.0176 UH	< 0.0154 UH
1,2-Dichloropropane	62			--	< 0.0193 U	< 0.0221 U	--	< 0.0167 U	--	< 0.0218 U	< 0.0235 U	< 0.0236 U	< 0.0182 UH	< 0.0202 UH	< 0.0176 UH
1,3,5-Trimethylbenzene	180			--	0.0593 J	< 0.0203 U	--	< 0.0154 U	--	0.0739	< 0.0217 U	0.0559 J	0.0326 HJ	25 H	0.0377 HJ
1,3-Dichlorobenzene	300			--	< 0.0170 U	< 0.0194 U	--	< 0.0148 U	--	< 0.0192 U	< 0.0207 U	< 0.0208 U	< 0.0161 UH	< 0.0178 UH	< 0.0155 UH
1,3-Dichloropropane	1500			--	< 0.0201 U	< 0.0229 U	--	< 0.0174 U	--	< 0.0226 U	< 0.0244 U	< 0.0245 U	< 0.0190 UH	< 0.0210 UH	< 0.0183 UH
1,3-Dichloropropene, cis				--	< 0.0216 U	< 0.0247 U	--	< 0.0187 U	--	< 0.0243 U	< 0.0263 U	< 0.0264 U	< 0.0204 UH	< 0.0225 UH	< 0.0197 UH
1,3-Dichloropropene, trans				--	< 0.0198 U	< 0.0226 U	--	< 0.0172 U	--	< 0.0223 U	< 0.0241 U	< 0.0242 U	< 0.0187 UH	< 0.0207 UH	< 0.0181 UH
1,4-Dichlorobenzene	200			--	< 0.0168 U	< 0.0191 U	--	< 0.0145 U	--	< 0.0189 U	< 0.0204 U	< 0.0205 U	< 0.0158 UH	< 0.0175 UH	< 0.0153 UH
2,2-Dichloropropane				--	< 0.0279 U	< 0.0318 U	--	< 0.0241 U	--	< 0.0314 U	< 0.0339 U	< 0.0339 U	< 0.0263 UH	< 0.0290 UH	< 0.0254 UH
Acetone	100000			--	< 0.408 U	< 0.466 U	--	< 0.353 U	--	< 0.46 U	< 0.497 U	< 0.498 U	< 0.385 UH	< 0.426 UH	< 0.372 UH
Allyl chloride	16			--	< 0.112 U	< 0.128 U	--	< 0.0971 U	--	< 0.126 U	< 0.136 U	< 0.137 U	< 0.106 UH	< 0.117 UH	< 0.102 UH
Benzene	42			--	0.273	< 0.0098 U	--	< 0.0074 U	--	0.113	< 0.0104 U	0.0295 J	0.0112 HJ	0.275 H	0.0338 H
Bromobenzene	680			--	< 0.0220 U	< 0.0251 U	--	< 0.0190 U	--	< 0.0248 U	< 0.0268 U	< 0.0268 U	< 0.0208 UH	< 0.0229 UH	< 0.0201 UH
Bromochloromethane				--	< 0.0201 U	< 0.0229 U	--	< 0.0174 U	--	< 0.0226 U	< 0.0244 U	< 0.0245 U	< 0.0190 UH	< 0.0210 UH	< 0.0183 UH
Bromodichloromethane	930			--	< 0.0260 U	< 0.0296 U	--	< 0.0225 U	--	< 0.0292 U	< 0.0316 U	< 0.0316 U	< 0.0245 UH	< 0.0271 UH	< 0.0237 UH
Bromoform	910			--	< 0.121 U	< 0.139 U	--	< 0.105 U	--	< 0.137 U	< 0.148 U	< 0.148 U	< 0.115 UH	< 0.127 UH	< 0.111 UH
Bromomethane	55			--	< 0.221 U	< 0.252 U	--	< 0.192 U	--	< 0.249 U	< 0.269 U	< 0.27 U	< 0.209 UH	< 0.231 UH	< 0.202 UH
Butylbenzene	110			--	0.0409 J	< 0.0254 U	--	< 0.0193 U	--	0.0692 J	< 0.0271 U	0.0402 J	0.0270 HJ	12.2 H	0.0251 HJ
Butylbenzene, sec	140			--	0.0224 J	< 0.0187 U	--	< 0.0142 U	--	< 0.0185 U	< 0.0200 U	0.0328 J	< 0.0155 UH	3.73 H	< 0.0150 UH
Butylbenzene, tert	180			--	< 0.0187 U	< 0.0213 U	--	< 0.0162 U	--	< 0.0211 U	< 0.0227 U	< 0.0228 U	< 0.0176 UH	< 0.0195 UH	< 0.0170 UH
Carbon tetrachloride	230			--	< 0.0233 U	< 0.0265 U	--	< 0.0201 U	--	< 0.0262 U	< 0.0283 U	< 0.0284 U	< 0.0220 UH	< 0.0243 UH	< 0.0212 UH
Chlorobenzene	700			--	< 0.0186 U	< 0.0212 U	--	< 0.0161 U	--	< 0.0209 U	< 0.0226 U	< 0.0226 U	< 0.0175 UH	< 0.0194 UH	< 0.0169 UH
Chlorodibromomethane	540			--	< 0.0630 U	< 0.0718 U	--	< 0.0545 U	--	< 0.0709 U	< 0.0766 U	< 0.0767 U	< 0.0594 UH	< 0.0656 UH	< 0.0574 UH
Chloroethane	2100			--	< 0.176 U	< 0.2 U	--	< 0.152 U	--	< 0.198 U	< 0.213 U	< 0.214 U	< 0.166 UH	< 0.183 UH	< 0.16 UH
Chloroform	31			--	< 0.0246 U	< 0.0280 U	--	< 0.0212 U	--	< 0.0276 U	< 0.0299 U	< 0.0299 U	< 0.0232 UH	< 0.0256 UH	0.0287 HJ
Chloromethane	1300			--	< 0.0392 U	< 0.0447 U	--	< 0.0339 U	--	< 0.0441 U	< 0.0476 U	< 0.0477 U	< 0.0369 UH	< 0.0408 UH	< 0.0357 UH
Chlorotoluene, o	910			--	< 0.0181 U	< 0.0206 U	--	< 0.0156 U	--	< 0.0203 U	< 0.0220 U	< 0.0220 U	< 0.0170 UH	< 0.0188 UH	< 0.0165 UH
Chlorotoluene, p				--	< 0.0190 U	< 0.0216 U	--	< 0.0164 U	--	< 0.0213 U	< 0.0230 U	< 0.0231 U	< 0.0179 UH	< 0.0198 UH	< 0.0173 UH
Cumene (isopropyl benzene)	270			--	0.0709	< 0.0181 U	--	< 0.0138 U	--	0.0474 J	< 0.0193 U	0.0782	< 0.0150 UH	6.08 H	0.0165 HJ
Cymene p- (toluene isopropyl p-)				--	0.0305 J	< 0.0190 U	--	< 0.0144 U	--	0.0245 J	< 0.0203 U	0.0249 J	< 0.0157 UH	1.91 H	< 0.0152 UH
Dibromomethane (methylene bromide)	59			--	< 0.0260 U	< 0.0296 U	--	< 0.0225 U	--	< 0.0292 U	< 0.0316 U	< 0.0316 U	< 0.0245 UH	< 0.0271 UH	< 0.0237 UH
Dichlorodifluoromethane (Freon-12)	840			--	< 0.0340 U	< 0.0387 U	--	< 0.0294 U	--	< 0.0382 U	< 0.0413 U	< 0.0414 U	< 0.0320 UH	< 0.0354 UH	< 0.0310 UH

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				Sample Location	Docking Area		Quonset Hut		Transformer Area 2				Former Gasoline UST Area		Cold Storage Building
				Location ID	B-COMP-08	B-TP48-1	B-TP51-1	B-COMP-09	B-TP53-1	B-COMP-10	B-TP57-1	B-TP58-1	B-TP59-1	B-TP40-1	B-TP40-2	B-TP41-1
				Date	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/10/2026	6/10/2026	6/10/2026
				Depth	0 - 1 ft	2 - 3 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 2 ft	0.5 - 3 ft	1 - 2 ft	0 - 2 ft	3 - 4 ft	11 - 12 ft	0 - 1 ft
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)														
		Min	Max													
Last Updated	05/05/2026	2009														
Exceedance Key	**Bold**	Not Compared - Reference														
Dichlorofluoromethane (Freon-21)				--	< 0.0934 U	< 0.106 U	--	< 0.0808 U	--	< 0.105 U	< 0.114 U	< 0.114 U	< 0.0881 UH	< 0.0973 UH	< 0.0851 UH
Ethyl benzene	480			--	0.162	< 0.0244 U	--	< 0.0185 U	--	0.115	< 0.0260 U	0.0807	0.0391 HJ	44.9 H	0.0302 HJ
Ethyl ether	10000			--	< 0.0439 U	< 0.0500 U	--	< 0.0380 U	--	< 0.0494 U	< 0.0534 U	< 0.0535 U	< 0.0414 UH	< 0.0457 UH	< 0.0400 UH
Hexachlorobutadiene	17			--	< 0.0396 U	< 0.0451 U	--	< 0.0342 U	--	< 0.0445 U	< 0.0481 U	< 0.0482 U	< 0.0373 UH	< 0.0412 UH	< 0.0361 UH
Methyl ethyl ketone (2-butanone)	28000			--	< 0.149 U	< 0.17 U	--	< 0.129 U	--	< 0.168 U	< 0.181 U	< 0.181 U	< 0.14 UH	< 0.155 UH	< 0.136 UH
Methyl isobutyl ketone (MIBK)	3400			--	< 0.123 U	< 0.14 U	--	< 0.106 U	--	< 0.138 U	< 0.149 U	< 0.15 U	< 0.116 UH	< 0.128 UH	< 0.112 UH
Methyl tertiary butyl ether (MTBE)	6300			--	< 0.0186 U	< 0.0212 U	--	< 0.0161 U	--	< 0.0209 U	< 0.0226 U	< 0.0226 U	< 0.0175 UH	< 0.0194 UH	< 0.0169 UH
Methylene chloride	1600			--	< 0.126 U	< 0.144 U	--	< 0.109 U	--	< 0.142 U	< 0.154 U	< 0.154 U	< 0.119 UH	< 0.132 UH	< 0.115 UH
Naphthalene	280			--	0.585	< 0.0290 U	--	< 0.0220 U	--	0.594	0.0887 J	0.422	0.0551 HJ	13.5 H	0.244 H
Propylbenzene	260			--	0.0878	< 0.0181 U	--	< 0.0138 U	--	0.0931	< 0.0193 U	0.0651 J	0.0207 HJ	22.4 H	0.0227 HJ
Styrene	870			--	< 0.0205 U	< 0.0234 U	--	< 0.0177 U	--	< 0.0231 U	< 0.0249 U	< 0.0250 U	< 0.0193 UH	< 0.0213 UH	< 0.0187 UH
Tetrachloroethylene	170			--	< 0.0221 U	< 0.0252 U	--	< 0.0192 U	--	< 0.0249 U	0.0803	< 0.0270 U	< 0.0209 UH	< 0.0231 UH	< 0.0202 UH
Tetrahydrofuran				--	< 0.476 U	< 0.543 U	--	< 0.412 U	--	< 0.536 U	< 0.579 U	< 0.58 U	< 0.449 UH	< 0.496 UH	< 0.434 UH
Toluene	820			--	0.507	< 0.0290 U	--	< 0.0220 U	--	0.459	0.0784	0.239	0.0281 HJ	35.8 H	0.177 H
Trichloroethylene (TCE)	20			--	< 0.0172 U	< 0.0196 U	--	< 0.0149 U	--	< 0.0193 U	< 0.0209 U	< 0.0209 U	< 0.0162 UH	< 0.0179 UH	< 0.0157 UH
Trichlorofluoromethane (Freon-11)	1200			--	< 0.0747 U	< 0.0852 U	--	< 0.0646 U	--	< 0.0841 U	< 0.0908 U	< 0.0910 U	< 0.0704 UH	< 0.0778 UH	< 0.0681 UH
Trichlorotrifluoroethane (Freon 113)	900			--	< 0.0258 U	< 0.0294 U	--	< 0.0223 U	--	< 0.0291 U	< 0.0314 U	< 0.0315 U	< 0.0244 UH	< 0.0269 UH	< 0.0235 UH
Vinyl chloride	56 (13)			--	< 0.0117 UJ-	< 0.0134 UJ-	--	< 0.0101 UJ-	--	< 0.0132 UJ-	< 0.0142 UJ-	< 0.0143 UJ-	< 0.0110 UH	< 0.0122 UH	< 0.0107 UH
Xylene, m & p	260 XYL			--	0.628	< 0.0412 U	--	< 0.0313 U	--	0.612	0.0757 J	0.431	0.0856 HJ	129 H	0.225 H
Xylene, o	260 XYL			--	0.415	< 0.0226 U	--	< 0.0172 U	--	0.392	0.0695 J	0.355	< 0.0187 UH	52.4 H	0.148 H
Xylene, total	260 XYL			--	1.04	< 0.0412 U	--	< 0.0313 U	--	1	0.145 J	0.786	0.0856 HJ	182 H	0.373 H

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Docking Area			Quonset Hut		Transformer Area 2				Former Gasoline UST Area		Cold Storage Building
				Location ID	B-COMP-08	B-TP48-1	B-TP51-1	B-COMP-09	B-TP53-1	B-COMP-10	B-TP57-1	B-TP58-1	B-TP59-1	B-TP40-1	B-TP40-2	B-TP41-1
				Date	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/11/2026	6/10/2026	6/10/2026	6/10/2026
				Depth	0 - 1 ft	2 - 3 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 2 ft	0.5 - 3 ft	1 - 2 ft	0 - 2 ft	3 - 4 ft	11 - 12 ft	0 - 1 ft
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)														
		Min	Max													
Last Updated	05/05/2026	2009														
Exceedance Key	**Bold**	Not Compared - Reference														
Polychlorinated Biphenyls (mg/kg)																
Aroclor 1016	PCB			< 0.0128 U	< 0.0133 U	--	< 0.0126 U	--	< 0.0131 U	< 0.0132 U	< 0.0140 U	--	--	--	< 0.0124 U
Aroclor 1221	PCB			< 0.0141 U	< 0.0147 U	--	< 0.0139 U	--	< 0.0145 U	< 0.0145 U	< 0.0155 U	--	--	--	< 0.0137 U
Aroclor 1232	PCB			< 0.0166 U	< 0.0172 U	--	< 0.0164 U	--	< 0.0170 U	< 0.0171 U	< 0.0182 U	--	--	--	< 0.0161 U
Aroclor 1242	PCB			< 0.0189 U	< 0.0196 U	--	< 0.0186 U	--	< 0.0193 U	< 0.0194 U	< 0.0207 U	--	--	--	< 0.0183 U
Aroclor 1248	PCB			< 0.0157 U	< 0.0163 U	--	< 0.0154 U	--	< 0.0160 U	< 0.0161 U	< 0.0172 U	--	--	--	< 0.0152 U
Aroclor 1254	PCB			< 0.0174 U	< 0.0181 U	--	< 0.0172 U	--	< 0.0178 U	< 0.0179 U	< 0.0191 U	--	--	--	< 0.0169 U
Aroclor 1260	PCB			0.106	< 0.0157 U	--	0.0280 J	--	< 0.0155 U	< 0.0156 U	< 0.0166 U	--	--	--	< 0.0147 U
Sum of Total PCBs (Barr Calculation)	**10**			0.106	ND		0.0280 a		ND	ND	ND				ND
Total Petroleum Hydrocarbons (mg/kg)																
Diesel Range Organics, C10-C28				--	69.1	125 J-	--	109	--	< 3.0 U	334	34.8	3.9 J	296	4680
Gasoline Range Organics, C6-C10				--	16.9	< 3.8 U	--	< 2.6 U	--	5.1 J	3.5 J	9.2 J	< 3.0 U	1390	5.6 J

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Locomotive Repair Shop		Maintenance Shop - Drainage Pit	Maintenance Shop -Trench				Transformer Area 2
				Location ID	B-TP62-1	B-TP63-1	B-TP64-1	B-TP66-1	B-TP67-1	B-TP68-1	B-TP69-1	Concrete-4
				Date	6/11/2026	6/11/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/11/2026
				Depth			3.3 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	
				Sample Type	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)										
		Min	Max									
Last Updated	05/05/2026	2009										
Exceedance Key	**Bold**	Not Compared - Reference										
General Parameters												
Moisture, percent				1.2	2.4	14.4	3.0	5.1	18.6	3.4	--	
Metals (mg/kg)												
Arsenic	**9 BTV**	0.3	32	**16.2**	**17.1**	2.8	1.6	1.5	2.1	1.8	--	
Barium	41000	125	499	639	1310	125	15.2	26.5	35.4	30.6	--	
Cadmium	23			5.8	6.5	7.4	0.042 J	< 0.036 U	< 0.042 U	< 0.034 U	--	
Chromium	100000 CR3	39	242	3080	230	9.6	1.4	3.0	4.9	2.9	--	
Lead	**460**	2	41	**512**	**2830**	74.9	0.50	2.7	9.1	1.1	--	
Mercury	3.1	0.01	0.04	0.15	0.48	0.061	< 0.0082 U	0.010 J	< 0.0093 U	0.020	--	
Selenium	1200			< 2.0 U	1.0 J	0.57 J	< 0.42 U	< 0.44 U	< 0.52 U	< 0.43 U	--	
Silver	1200			2.4	6.4	0.29 J	< 0.038 U	< 0.041 U	< 0.048 U	< 0.039 U	--	
TCLP Metals (mg/l)												
Lead				0.67	2.8	--	--	--	--	--	--	
Semivolatile Organic Compounds (mg/kg)												
Acenaphthene	6800			4.73	11.3	0.323	0.0012 J	< 0.0011 U	< 0.0013 U	< 0.0011 U	--	
Acenaphthylene				0.905	4.61	0.0745 J	< 0.0018 U	< 0.0018 U	< 0.0021 U	< 0.0018 U	--	
Anthracene	42000			8.54	22.5	1.8	0.0022 J	0.0017 J	0.0016 J	< 0.0012 U	--	
Benz(a)anthracene	T			27.3	106	0.61	< 0.0019 U	< 0.0019 U	0.0048 J	< 0.0019 U	--	
Benzo(a)pyrene	**23 T**			14.5	**68.8**	< 0.0475 U	< 0.0017 U	0.0081 J	0.0065 J	< 0.0017 U	--	
Benzo(b)fluoranthene	T			36.6	174	< 0.0662 U	< 0.0024 U	0.0137	0.0118 J	< 0.0024 U	--	
Benzo(g,h,i)perylene				11.3	55.2	0.687	< 0.0023 U	0.0121	0.0053 J	< 0.0023 U	--	
Benzo(k)fluoranthene	T			13.5	73.2	< 0.0378 U	< 0.0013 U	0.0071 J	0.0048 J	< 0.0014 U	--	
Chrysene	T			31.3	147	1.63	< 0.0013 U	0.0015 J	0.0135	< 0.0013 U	--	
Dibenz(a,h)anthracene	T			4.52	24.9	< 0.0407 U	< 0.0014 U	0.0054 J	0.0024 J	< 0.0015 U	--	
Fluoranthene	2700			76.9	269	0.763	0.0027 J	< 0.0027 U	0.0159	< 0.0027 U	--	
Fluorene	5800			3.18	5.9	0.689	0.0012 J	< 0.0012 U	0.0016 J	< 0.0012 U	--	
Indeno(1,2,3-cd)pyrene	T			12.1	59.5	< 0.0581 U	< 0.0021 U	0.0136	0.0066 J	< 0.0021 U	--	
Naphthalene	280			2.4	6.09	0.144 J	< 0.0036 U	< 0.0037 U	0.0051 J	< 0.0037 U	--	
Phenanthrene				41.4	63.8	6.24	0.0044 J	0.0023 J	0.0227	< 0.0023 U	--	
Pyrene	3200			57.5	258	2.04	< 0.0021 U	< 0.0021 U	0.0108 J	< 0.0021 U	--	
B(a)P Equivalent, Kaplan-Meier	**23 T**			**26**	**130**	0.1	NA	0.015 a	0.011 a	NA	--	
B(a)P Equivalent, non-detects at 0, 2002 PEFs	**23 T**			**26**	**130**	0.077	ND	0.015 a	0.011 a	ND	--	

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Locomotive Repair Shop		Maintenance Shop - Drainage Pit	Maintenance Shop -Trench				Transformer Area 2
				Location ID	B-TP62-1	B-TP63-1	B-TP64-1	B-TP66-1	B-TP67-1	B-TP68-1	B-TP69-1	Concrete-4
				Date	6/11/2026	6/11/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/11/2026
				Depth			3.3 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	
				Sample Type	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)										
		Min	Max									
Last Updated	05/05/2026	2009										
Exceedance Key	**Bold**	Not Compared - Reference										
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	680				< 0.0186 U	< 0.0197 U	< 0.0326 U	< 0.0199 U	< 0.0198 U	< 0.0247 U	< 0.0176 U	--
1,1,1-Trichloroethane	640				< 0.0173 U	< 0.0183 U	< 0.0302 U	< 0.0185 U	< 0.0184 U	< 0.0229 U	< 0.0164 U	--
1,1,2,2-Tetrachloroethane	230				< 0.0142 U	< 0.0150 U	< 0.0248 U	< 0.0152 U	< 0.0151 U	< 0.0189 U	< 0.0134 U	--
1,1,2-Trichloroethane	3.1				< 0.0166 U	< 0.0176 U	< 0.0291 U	< 0.0178 U	< 0.0177 U	< 0.0221 U	< 0.0157 U	--
1,1-Dichloroethane	1700				< 0.0152 U	< 0.0161 U	< 0.0266 U	< 0.0163 U	< 0.0162 U	< 0.0202 U	< 0.0144 U	--
1,1-Dichloroethylene	1200				< 0.0146 U	< 0.0155 U	< 0.0256 U	< 0.0157 U	< 0.0156 U	< 0.0194 U	< 0.0139 U	--
1,1-Dichloropropene					< 0.0141 U	< 0.0149 U	< 0.0247 U	< 0.0151 U	< 0.0150 U	< 0.0187 U	< 0.0133 U	--
1,2,3-Trichlorobenzene					< 0.0172 U	< 0.0181 U	< 0.0300 U	< 0.0184 U	< 0.0183 U	< 0.0228 U	< 0.0163 U	--
1,2,3-Trichloropropane	1.5				< 0.0192 U	< 0.0202 U	< 0.0335 U	< 0.0205 U	< 0.0204 U	< 0.0254 U	< 0.0181 U	--
1,2,4-Trichlorobenzene	87				< 0.0178 U	< 0.0188 U	< 0.0312 U	< 0.0191 U	< 0.0190 U	< 0.0237 U	< 0.0169 U	--
1,2,4-Trimethylbenzene	220				0.148	0.417	< 0.0279 U	< 0.0171 U	< 0.0170 U	< 0.0212 U	< 0.0151 U	--
1,2-Dibromo-3-chloropropane (DBCP)					< 0.0917 U	< 0.0969 U	< 0.16 U	< 0.0981 U	< 0.0977 U	< 0.122 U	< 0.0868 U	--
1,2-Dibromoethane (EDB)	2.8				< 0.0176 U	< 0.0186 U	< 0.0308 U	< 0.0188 U	< 0.0188 U	< 0.0234 U	< 0.0167 U	--
1,2-Dichlorobenzene	380				< 0.0161 U	< 0.0170 U	< 0.0281 U	< 0.0172 U	< 0.0171 U	< 0.0213 U	< 0.0152 U	--
1,2-Dichloroethane	72				< 0.0153 U	< 0.0162 U	< 0.0268 U	< 0.0164 U	< 0.0163 U	< 0.0203 U	< 0.0145 U	--
1,2-Dichloroethylene, cis	250				< 0.0166 U	< 0.0176 U	< 0.0291 U	< 0.0178 U	< 0.0177 U	< 0.0221 U	< 0.0157 U	--
1,2-Dichloroethylene, trans	210				< 0.0146 U	< 0.0155 U	< 0.0256 U	< 0.0157 U	< 0.0156 U	< 0.0194 U	< 0.0139 U	--
1,2-Dichloropropane	62				< 0.0167 U	< 0.0177 U	< 0.0293 U	< 0.0179 U	< 0.0178 U	< 0.0222 U	< 0.0158 U	--
1,3,5-Trimethylbenzene	180				0.0378 J	0.105	< 0.0270 U	< 0.0165 U	< 0.0164 U	< 0.0205 U	< 0.0146 U	--
1,3-Dichlorobenzene	300				< 0.0147 U	< 0.0156 U	< 0.0258 U	< 0.0158 U	< 0.0157 U	< 0.0196 U	< 0.0140 U	--
1,3-Dichloropropane	1500				< 0.0174 U	< 0.0184 U	< 0.0304 U	< 0.0186 U	< 0.0185 U	< 0.0231 U	< 0.0165 U	--
1,3-Dichloropropene, cis					< 0.0187 U	< 0.0198 U	< 0.0327 U	< 0.0200 U	< 0.0199 U	< 0.0248 U	< 0.0177 U	--
1,3-Dichloropropene, trans					< 0.0172 U	< 0.0181 U	< 0.0300 U	< 0.0184 U	< 0.0183 U	< 0.0228 U	< 0.0163 U	--
1,4-Dichlorobenzene	200				< 0.0145 U	< 0.0154 U	< 0.0254 U	< 0.0155 U	< 0.0155 U	< 0.0193 U	< 0.0138 U	--
2,2-Dichloropropane					< 0.0241 U	< 0.0255 U	< 0.0422 U	< 0.0258 U	< 0.0257 U	< 0.0320 U	< 0.0228 U	--
Acetone	100000				< 0.353 U	< 0.373 U	< 0.618 U	< 0.378 U	< 0.377 U	< 0.469 U	< 0.334 U	--
Allyl chloride	16				< 0.0971 U	< 0.103 U	< 0.17 U	< 0.104 U	< 0.103 U	< 0.129 U	< 0.0919 U	--
Benzene	42				0.0272	0.0987	< 0.0130 U	< 0.0079 U	< 0.0079 U	< 0.0098 U	< 0.0070 U	--
Bromobenzene	680				< 0.0190 U	< 0.0201 U	< 0.0333 U	< 0.0204 U	< 0.0203 U	< 0.0253 U	< 0.0180 U	--
Bromochloromethane					< 0.0174 U	< 0.0184 U	< 0.0304 U	< 0.0186 U	< 0.0185 U	< 0.0231 U	< 0.0165 U	--
Bromodichloromethane	930				< 0.0225 U	< 0.0237 U	< 0.0393 U	< 0.0240 U	< 0.0239 U	< 0.0298 U	< 0.0213 U	--
Bromoform	910				< 0.105 U	< 0.111 U	< 0.184 U	< 0.112 U	< 0.112 U	< 0.14 U	< 0.0995 U	--
Bromomethane	55				< 0.192 U	< 0.202 U	< 0.335 U	< 0.205 U	< 0.204 U	< 0.254 U	< 0.181 U	--
Butylbenzene	110				0.0507 J	0.116	< 0.0337 U	< 0.0206 U	< 0.0205 U	< 0.0256 U	< 0.0182 U	--
Butylbenzene, sec	140				< 0.0142 U	0.0265 J	< 0.0248 U	< 0.0152 U	< 0.0151 U	< 0.0189 U	< 0.0134 U	--
Butylbenzene, tert	180				< 0.0162 U	< 0.0171 U	< 0.0283 U	< 0.0173 U	< 0.0172 U	< 0.0215 U	< 0.0153 U	--
Carbon tetrachloride	230				< 0.0201 U	0.208	< 0.0352 U	< 0.0216 U	< 0.0215 U	< 0.0267 U	< 0.0191 U	--
Chlorobenzene	700				< 0.0161 U	< 0.0170 U	< 0.0281 U	< 0.0172 U	< 0.0171 U	< 0.0213 U	< 0.0152 U	--
Chlorodibromomethane	540				< 0.0545 U	< 0.0576 U	< 0.0953 U	< 0.0583 U	< 0.0581 U	< 0.0724 U	< 0.0516 U	--
Chloroethane	2100				< 0.152 U	< 0.161 U	< 0.266 U	< 0.163 U	< 0.162 U	< 0.202 U	< 0.144 U	--
Chloroform	31				< 0.0212 U	0.116	< 0.0372 U	< 0.0227 U	< 0.0226 U	< 0.0282 U	< 0.0201 U	--
Chloromethane	1300				< 0.0339 U	< 0.0358 U	< 0.0593 U	< 0.0363 U	< 0.0361 U	< 0.0450 U	< 0.0321 U	--
Chlorotoluene, o	910				< 0.0156 U	< 0.0165 U	< 0.0274 U	< 0.0167 U	< 0.0167 U	< 0.0208 U	< 0.0148 U	--
Chlorotoluene, p					< 0.0164 U	< 0.0173 U	< 0.0287 U	< 0.0175 U	< 0.0175 U	< 0.0218 U	< 0.0155 U	--
Cumene (isopropyl benzene)	270				0.0247 J	0.0852	< 0.0241 U	< 0.0147 U	< 0.0147 U	< 0.0183 U	< 0.0130 U	--
Cymene p- (toluene isopropyl p-)					0.0238 J	0.0950	< 0.0252 U	< 0.0154 U	< 0.0154 U	< 0.0191 U	< 0.0136 U	--
Dibromomethane (methylene bromide)	59				< 0.0225 U	< 0.0237 U	< 0.0393 U	< 0.0240 U	< 0.0239 U	< 0.0298 U	< 0.0213 U	--
Dichlorodifluoromethane (Freon-12)	840				< 0.0294 U	< 0.0311 U	< 0.0514 U	< 0.0314 U	< 0.0313 U	< 0.0390 U	< 0.0278 U	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

		Sample Location		Locomotive Repair Shop		Maintenance Shop - Drainage Pit	Maintenance Shop -Trench				Transformer Area 2
		Location ID		B-TP62-1	B-TP63-1	B-TP64-1	B-TP66-1	B-TP67-1	B-TP68-1	B-TP69-1	Concrete-4
		Date		6/11/2026	6/11/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/11/2026
		Depth				3.3 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	
		Sample Type		N	N	N	N	N	N	N	N
		Data Status		Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)									
		Min	Max								
Last Updated	05/05/2026	2009									
Exceedance Key	**Bold**	Not Compared - Reference									
Dichlorofluoromethane (Freon-21)				< 0.0808 U	< 0.0854 U	< 0.141 U	< 0.0864 U	< 0.0861 U	< 0.107 U	< 0.0765 U	--
Ethyl benzene	480			0.0381 J	0.142	< 0.0324 U	< 0.0198 U	< 0.0197 U	< 0.0246 U	< 0.0175 U	--
Ethyl ether	10000			< 0.0380 U	< 0.0401 U	< 0.0665 U	< 0.0406 U	< 0.0405 U	< 0.0504 U	< 0.0359 U	--
Hexachlorobutadiene	17			< 0.0342 U	< 0.0362 U	< 0.0599 U	< 0.0366 U	< 0.0365 U	< 0.0455 U	< 0.0324 U	--
Methyl ethyl ketone (2-butanone)	28000			< 0.129 U	< 0.136 U	< 0.225 U	< 0.138 U	< 0.137 U	< 0.171 U	< 0.122 U	--
Methyl isobutyl ketone (MIBK)	3400			< 0.106 U	< 0.112 U	< 0.186 U	< 0.114 U	< 0.113 U	< 0.141 U	< 0.101 U	--
Methyl tertiary butyl ether (MTBE)	6300			< 0.0161 U	< 0.0170 U	< 0.0281 U	< 0.0172 U	< 0.0171 U	< 0.0213 U	< 0.0152 U	--
Methylene chloride	1600			< 0.109 U	< 0.115 U	< 0.191 U	< 0.117 U	< 0.116 U	< 0.145 U	< 0.103 U	--
Naphthalene	280			5.05	4.96	< 0.0385 U	< 0.0236 U	< 0.0235 U	< 0.0292 U	< 0.0208 U	--
Propylbenzene	260			0.0345 J	0.112	< 0.0241 U	< 0.0147 U	< 0.0147 U	< 0.0183 U	< 0.0130 U	--
Styrene	870			< 0.0177 U	< 0.0187 U	< 0.0310 U	< 0.0190 U	< 0.0189 U	< 0.0235 U	< 0.0168 U	--
Tetrachloroethylene	170			< 0.0192 U	0.0308 J	< 0.0335 U	< 0.0205 U	< 0.0204 U	< 0.0254 U	< 0.0181 U	--
Tetrahydrofuran				< 0.412 U	< 0.435 U	< 0.72 U	< 0.44 U	< 0.439 U	< 0.547 U	< 0.39 U	--
Toluene	820			0.151	0.529	< 0.0385 U	< 0.0236 U	< 0.0235 U	< 0.0292 U	< 0.0208 U	--
Trichloroethylene (TCE)	20			< 0.0149 U	0.0516 J	< 0.0260 U	< 0.0159 U	< 0.0158 U	< 0.0197 U	< 0.0141 U	--
Trichlorofluoromethane (Freon-11)	1200			< 0.0646 U	< 0.0683 U	< 0.113 U	< 0.0691 U	< 0.0689 U	< 0.0858 U	< 0.0611 U	--
Trichlorotrifluoroethane (Freon 113)	900			< 0.0223 U	< 0.0236 U	< 0.0391 U	< 0.0239 U	< 0.0238 U	< 0.0297 U	< 0.0211 U	--
Vinyl chloride	56 (13)			< 0.0101 UJ-	< 0.0107 UJ-	< 0.0177 UJ-	< 0.0108 UJ-	< 0.0108 UJ-	< 0.0135 UJ-	< 0.0096 UJ-	--
Xylene, m & p	260 XYL			0.17	0.678	< 0.0547 U	< 0.0334 U	< 0.0333 U	< 0.0415 U	< 0.0296 U	--
Xylene, o	260 XYL			0.0675	0.294	< 0.0300 U	< 0.0184 U	< 0.0183 U	< 0.0228 U	< 0.0163 U	--
Xylene, total	260 XYL			0.238	0.972	< 0.0547 U	< 0.0334 U	< 0.0333 U	< 0.0415 U	< 0.0296 U	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	Locomotive Repair Shop		Maintenance Shop - Drainage Pit	Maintenance Shop -Trench				Transformer Area 2
			Location ID	B-TP62-1	B-TP63-1	B-TP64-1	B-TP66-1	B-TP67-1	B-TP68-1	B-TP69-1	Concrete-4
			Date	6/11/2026	6/11/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/11/2026
			Depth			3.3 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	0 - 3.5 ft	
			Sample Type	N	N	N	N	N	N	N	N
			Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)									
		Min	Max								
Last Updated	05/05/2026	2009									
Exceedance Key	**Bold**	Not Compared - Reference									
Polychlorinated Biphenyls (mg/kg)											
Aroclor 1016	PCB			< 0.0123 U	< 0.0126 U	< 0.138 U	< 0.0125 U	< 0.0127 U	< 0.0151 U	< 0.0125 U	< 0.0123 U
Aroclor 1221	PCB			< 0.0136 U	< 0.0139 U	< 0.152 U	< 0.0138 U	< 0.0140 U	< 0.0167 U	< 0.0138 U	< 0.0136 U
Aroclor 1232	PCB			< 0.0160 U	< 0.0163 U	< 0.179 U	< 0.0163 U	< 0.0165 U	< 0.0196 U	< 0.0162 U	< 0.0159 U
Aroclor 1242	PCB			2.55	1.37	< 0.204 U	< 0.0185 U	< 0.0187 U	< 0.0223 U	< 0.0184 U	< 0.0181 U
Aroclor 1248	PCB			1.83	1.46	< 0.169 U	< 0.0154 U	< 0.0156 U	< 0.0185 U	< 0.0153 U	< 0.0150 U
Aroclor 1254	PCB			0.731	0.765	0.329 J	< 0.0171 U	0.0230 J	0.0329 J	< 0.0170 U	< 0.0167 U
Aroclor 1260	PCB			< 0.0146 U	< 0.0149 U	< 0.164 U	< 0.0149 U	< 0.0150 U	< 0.0179 U	< 0.0148 U	< 0.0146 U
Sum of Total PCBs (Barr Calculation)	**10**			5.11	3.60	0.329 a	ND	0.0230 a	0.0329 a	ND	ND
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range Organics, C10-C28				2800	8400	9950	< 18.2 UB	22.8	< 17.4 UB	31.5	--
Gasoline Range Organics, C6-C10				8.4 J	10.1 J	4.7 J	< 3.1 U	< 2.8 U	< 3.9 U	< 2.6 U	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	**Electrical Shop Material Storage Area**					**Electrtrical Shop Drainage Area**		**Electrical Shop AST**	**Electrical Shop Transformer**	
			Location ID	**C-COMP-11**	**C-TP72-1**	**C-TP73-1**	**C-TP74-1**	**C-TP75-1**	**C-COMP-12**	**C-TP78-1**	**C-TP70-1**	**C-TP71-1**	**SS-1**
			Date	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**
			Depth	**0 - 1.7 ft**	**0 - 1.7 ft**	**0 - 1.7 ft**	**0 - 1.7 ft**		**0 - 1 ft**	**0 - 1 ft**	**0 - 1.5 ft**	**0 - 1 ft**	**0 - 0.5 ft**
			Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
			Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)											
		Min	Max										
Last Updated	05/05/2026	2009											
Exceedance Key	**Bold**	Not Compared - Reference											
General Parameters													
Moisture, percent				5.7	--	4.5	--	--	7.4	12.2	6.9	6.4	10
Metals (mg/kg)													
Arsenic	**9 BTV**	0.3	32	**11.7**	1.7	2.8	**12.1**	7.0	3.2	--	--	4.9	--
Barium	41000	125	499	46.7	--	--	--	--	28.7	--	--	35.1	--
Cadmium	23			0.32	--	--	--	--	0.35	--	--	0.76	--
Chromium	100000 CR3	39	242	15.6	--	--	--	--	9.9	--	--	12.7	--
Lead	**460**	2	41	19.9	--	--	--	--	58.8	--	--	50.8	--
Mercury	3.1	0.01	0.04	0.22	--	--	--	--	0.21	--	--	0.24	--
Selenium	1200			0.72 J	--	--	--	--	< 0.46 U	--	--	0.51 J	--
Silver	1200			< 0.041 U	--	--	--	--	< 0.042 U	--	--	< 0.042 U	--
TCLP Metals (mg/l)													
Lead				--	--	--	--	--	--	--	--	--	--
Semivolatile Organic Compounds (mg/kg)													
Acenaphthene	6800			0.0025 J	--	--	--	--	< 0.0012 U	--	--	0.0032 J	--
Acenaphthylene				0.0063 J	--	--	--	--	0.0084 J	--	--	0.0218	--
Anthracene	42000			0.0220	--	--	--	--	0.0086 J	--	--	0.0268	--
Benz(a)anthracene	T			0.0480	--	--	--	--	0.0339	--	--	0.0589	--
Benzo(a)pyrene	**23 T**			0.0956	--	--	--	--	0.0433	--	--	0.0745	--
Benzo(b)fluoranthene	T			0.227	--	--	--	--	0.0461	--	--	0.105	--
Benzo(g,h,i)perylene				0.494	--	--	--	--	0.0506	--	--	0.0698	--
Benzo(k)fluoranthene	T			0.0840	--	--	--	--	0.0218	--	--	0.0483	--
Chrysene	T			0.0645	--	--	--	--	0.0397	--	--	0.0738	--
Dibenz(a,h)anthracene	T			0.0768	--	--	--	--	0.01 J	--	--	0.0195	--
Fluoranthene	2700			0.0524	--	--	--	--	0.0452	--	--	0.0859	--
Fluorene	5800			0.0028 J	--	--	--	--	< 0.0012 U	--	--	0.0034 J	--
Indeno(1,2,3-cd)pyrene	T			0.435	--	--	--	--	0.0320	--	--	0.0712	--
Naphthalene	280			0.11	--	--	--	--	0.0139	--	--	0.14	--
Phenanthrene				0.0913	--	--	--	--	0.0192	--	--	0.0951	--
Pyrene	3200			0.0495	--	--	--	--	0.0467	--	--	0.0790	--
B(a)P Equivalent, Kaplan-Meier	**23 T**			0.22	--	--	--	--	0.063	--	--	0.11	--
B(a)P Equivalent, non-detects at 0, 2002 PEFs	**23 T**			0.22	--	--	--	--	0.063	--	--	0.11	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	**Electrical Shop Material Storage Area**					**Electrtrical Shop Drainage Area**		**Electrical Shop AST**	**Electrical Shop Transformer**	
				Location ID	**C-COMP-11**	**C-TP72-1**	**C-TP73-1**	**C-TP74-1**	**C-TP75-1**	**C-COMP-12**	**C-TP78-1**	**C-TP70-1**	**C-TP71-1**	**SS-1**
				Date	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**
				Depth	**0 - 1.7 ft**	**0 - 1.7 ft**	**0 - 1.7 ft**	**0 - 1.7 ft**		**0 - 1 ft**	**0 - 1 ft**	**0 - 1.5 ft**	**0 - 1 ft**	**0 - 0.5 ft**
				Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
				Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)												
		Min	Max											
Last Updated	05/05/2026	2009												
Exceedance Key	**Bold**	Not Compared - Reference												
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	680			--	--	< 0.0222 U	--	--	--	< 0.0229 U	--	< 0.0218 U	--	
1,1,1-Trichloroethane	640			--	--	< 0.0207 U	--	--	--	< 0.0212 U	--	< 0.0203 U	--	
1,1,2,2-Tetrachloroethane	230			--	--	< 0.0170 U	--	--	--	< 0.0174 U	--	< 0.0167 U	--	
1,1,2-Trichloroethane	3.1			--	--	< 0.0199 U	--	--	--	< 0.0204 U	--	< 0.0195 U	--	
1,1-Dichloroethane	1700			--	--	< 0.0182 U	--	--	--	< 0.0187 U	--	< 0.0178 U	--	
1,1-Dichloroethylene	1200			--	--	< 0.0175 U	--	--	--	< 0.0180 U	--	< 0.0172 U	--	
1,1-Dichloropropene				--	--	< 0.0168 U	--	--	--	< 0.0173 U	--	< 0.0165 U	--	
1,2,3-Trichlorobenzene				--	--	< 0.0205 U	--	--	--	< 0.0211 U	--	< 0.0201 U	--	
1,2,3-Trichloropropane	1.5			--	--	< 0.0229 U	--	--	--	< 0.0235 U	--	< 0.0225 U	--	
1,2,4-Trichlorobenzene	87			--	--	< 0.0213 U	--	--	--	< 0.0219 U	--	< 0.0209 U	--	
1,2,4-Trimethylbenzene	220			--	--	0.459	--	--	--	< 0.0196 U	2.23	0.634	--	
1,2-Dibromo-3-chloropropane (DBCP)				--	--	< 0.11 U	--	--	--	< 0.113 U	--	< 0.108 U	--	
1,2-Dibromoethane (EDB)	2.8			--	--	< 0.0211 U	--	--	--	< 0.0216 U	--	< 0.0207 U	--	
1,2-Dichlorobenzene	380			--	--	< 0.0192 U	--	--	--	< 0.0197 U	--	< 0.0188 U	--	
1,2-Dichloroethane	72			--	--	< 0.0183 U	--	--	--	< 0.0188 U	--	< 0.0179 U	--	
1,2-Dichloroethylene, cis	250			--	--	< 0.0199 U	--	--	--	< 0.0204 U	--	< 0.0195 U	--	
1,2-Dichloroethylene, trans	210			--	--	< 0.0175 U	--	--	--	< 0.0180 U	--	< 0.0172 U	--	
1,2-Dichloropropane	62			--	--	< 0.0200 U	--	--	--	< 0.0206 U	--	< 0.0196 U	--	
1,3,5-Trimethylbenzene	180			--	--	0.0994	--	--	--	< 0.0189 U	0.499	0.15	--	
1,3-Dichlorobenzene	300			--	--	< 0.0176 U	--	--	--	< 0.0181 U	--	< 0.0173 U	--	
1,3-Dichloropropane	1500			--	--	< 0.0208 U	--	--	--	< 0.0214 U	--	< 0.0204 U	--	
1,3-Dichloropropene, cis				--	--	< 0.0224 U	--	--	--	< 0.0230 U	--	< 0.0219 U	--	
1,3-Dichloropropene, trans				--	--	< 0.0205 U	--	--	--	< 0.0211 U	--	< 0.0201 U	--	
1,4-Dichlorobenzene	200			--	--	< 0.0174 U	--	--	--	< 0.0179 U	--	< 0.0170 U	--	
2,2-Dichloropropane				--	--	< 0.0288 U	--	--	--	< 0.0296 U	--	< 0.0283 U	--	
Acetone	100000			--	--	< 0.423 U	--	--	--	< 0.434 U	--	< 0.414 U	--	
Allyl chloride	16			--	--	< 0.116 U	--	--	--	< 0.119 U	--	< 0.114 U	--	
Benzene	42			--	--	0.553	--	--	--	< 0.0091 U	0.47	0.132	--	
Bromobenzene	680			--	--	< 0.0228 U	--	--	--	< 0.0234 U	--	< 0.0223 U	--	
Bromochloromethane				--	--	< 0.0208 U	--	--	--	< 0.0214 U	--	< 0.0204 U	--	
Bromodichloromethane	930			--	--	< 0.0269 U	--	--	--	< 0.0276 U	--	< 0.0263 U	--	
Bromoform	910			--	--	< 0.126 U	--	--	--	< 0.129 U	--	< 0.123 U	--	
Bromomethane	55			--	--	< 0.229 U	--	--	--	< 0.235 U	--	< 0.225 U	--	
Butylbenzene	110			--	--	0.0759	--	--	--	< 0.0237 U	--	0.0870	--	
Butylbenzene, sec	140			--	--	0.0901	--	--	--	< 0.0174 U	--	0.0610 J	--	
Butylbenzene, tert	180			--	--	< 0.0193 U	--	--	--	< 0.0199 U	--	< 0.0190 U	--	
Carbon tetrachloride	230			--	--	< 0.0241 U	--	--	--	< 0.0248 U	--	< 0.0236 U	--	
Chlorobenzene	700			--	--	< 0.0192 U	--	--	--	< 0.0197 U	--	< 0.0188 U	--	
Chlorodibromomethane	540			--	--	< 0.0652 U	--	--	--	< 0.0670 U	--	< 0.0639 U	--	
Chloroethane	2100			--	--	< 0.182 U	--	--	--	< 0.187 U	--	< 0.178 U	--	
Chloroform	31			--	--	< 0.0254 U	--	--	--	< 0.0261 U	--	< 0.0249 U	--	
Chloromethane	1300			--	--	< 0.0405 U	--	--	--	< 0.0417 U	--	< 0.0398 U	--	
Chlorotoluene, o	910			--	--	< 0.0187 U	--	--	--	< 0.0192 U	--	< 0.0183 U	--	
Chlorotoluene, p				--	--	< 0.0196 U	--	--	--	< 0.0202 U	--	< 0.0192 U	--	
Cumene (isopropyl benzene)	270			--	--	0.209	--	--	--	< 0.0169 U	--	0.16	--	
Cymene p- (toluene isopropyl p-)				--	--	0.0399 J	--	--	--	< 0.0177 U	--	0.0568 J	--	
Dibromomethane (methylene bromide)	59			--	--	< 0.0269 U	--	--	--	< 0.0276 U	--	< 0.0263 U	--	
Dichlorodifluoromethane (Freon-12)	840			--	--	< 0.0351 U	--	--	--	< 0.0361 U	--	< 0.0345 U	--	

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	Electrical Shop Material Storage Area					Electrtrical Shop Drainage Area		Electrical Shop AST	Electrical Shop Transformer		
			Location ID	C-COMP-11	C-TP72-1	C-TP73-1	C-TP74-1	C-TP75-1	C-COMP-12	C-TP78-1	C-TP70-1	C-TP71-1	SS-1	
			Date	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	6/12/2026	
			Depth	0 - 1.7 ft	0 - 1.7 ft	0 - 1.7 ft	0 - 1.7 ft		0 - 1 ft	0 - 1 ft	0 - 1.5 ft	0 - 1 ft	0 - 0.5 ft	
			Sample Type	N	N	N	N	N	N	N	N	N	N	
			Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)												
		Min	Max											
Last Updated	05/05/2026	2009												
Exceedance Key	**Bold**	Not Compared - Reference												
Dichlorofluoromethane (Freon-21)				--	--	< 0.0966 U	--	--	--	< 0.0993 U	--	< 0.0948 U	--	
Ethyl benzene	480			--	--	0.302	--	--	--	< 0.0227 U	0.817	0.192	--	
Ethyl ether	10000			--	--	< 0.0454 U	--	--	--	< 0.0467 U	--	< 0.0445 U	--	
Hexachlorobutadiene	17			--	--	< 0.0409 U	--	--	--	< 0.0421 U	--	< 0.0401 U	--	
Methyl ethyl ketone (2-butanone)	28000			--	--	< 0.154 U	--	--	--	< 0.158 U	--	< 0.151 U	--	
Methyl isobutyl ketone (MIBK)	3400			--	--	< 0.127 U	--	--	--	< 0.131 U	--	< 0.125 U	--	
Methyl tertiary butyl ether (MTBE)	6300			--	--	< 0.0192 U	--	--	--	< 0.0197 U	< 0.0264 U	< 0.0188 U	--	
Methylene chloride	1600			--	--	< 0.131 U	--	--	--	< 0.134 U	--	< 0.128 U	--	
Naphthalene	280			--	--	0.984	--	--	--	0.0301 J	4.56	1.19	--	
Propylbenzene	260			--	--	0.226	--	--	--	< 0.0169 U	--	0.157	--	
Styrene	870			--	--	< 0.0212 U	--	--	--	< 0.0218 U	--	< 0.0208 U	--	
Tetrachloroethylene	170			--	--	0.101	--	--	--	< 0.0235 U	--	3.53	--	
Tetrahydrofuran				--	--	< 0.492 U	--	--	--	< 0.506 U	--	< 0.483 U	--	
Toluene	820			--	--	1.63	--	--	--	< 0.0271 U	3.05	0.803	--	
Trichloroethylene (TCE)	20			--	--	< 0.0178 U	--	--	--	< 0.0183 U	--	< 0.0174 U	--	
Trichlorofluoromethane (Freon-11)	1200			--	--	< 0.0773 U	--	--	--	< 0.0794 U	--	< 0.0758 U	--	
Trichlorotrifluoroethane (Freon 113)	900			--	--	< 0.0267 U	--	--	--	< 0.0275 U	--	< 0.0262 U	--	
Vinyl chloride	56 (13)			--	--	< 0.0121 UJ-	--	--	--	< 0.0125 UJ-	--	< 0.0119 UJ-	--	
Xylene, m & p	260 XYL			--	--	0.988	--	--	--	< 0.0384 U	--	0.968	--	
Xylene, o	260 XYL			--	--	0.853	--	--	--	< 0.0211 U	--	0.88	--	
Xylene, total	260 XYL			--	--	1.84	--	--	--	< 0.0384 U	7.26	1.85	--	

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	**Electrical Shop Material Storage Area**					**Electrtrical Shop Drainage Area**		**Electrical Shop AST**	**Electrical Shop Transformer**	
			Location ID	**C-COMP-11**	**C-TP72-1**	**C-TP73-1**	**C-TP74-1**	**C-TP75-1**	**C-COMP-12**	**C-TP78-1**	**C-TP70-1**	**C-TP71-1**	**SS-1**
			Date	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**	**6/12/2026**
			Depth	**0 - 1.7 ft**	**0 - 1.7 ft**	**0 - 1.7 ft**	**0 - 1.7 ft**		**0 - 1 ft**	**0 - 1 ft**	**0 - 1.5 ft**	**0 - 1 ft**	**0 - 0.5 ft**
			Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
			Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)											
		Min	Max										
Last Updated	05/05/2026	2009											
Exceedance Key	**Bold**	Not Compared - Reference											
Polychlorinated Biphenyls (mg/kg)													
Aroclor 1016	PCB			< 0.0130 U	--	--	--	--	< 0.0130 U	--	--	< 0.0127 U	< 0.0136 U
Aroclor 1221	PCB			< 0.0144 U	--	--	--	--	< 0.0144 U	--	--	< 0.0141 U	< 0.0151 U
Aroclor 1232	PCB			< 0.0169 U	--	--	--	--	< 0.0169 U	--	--	< 0.0165 U	< 0.0177 U
Aroclor 1242	PCB			< 0.0192 U	--	--	--	--	< 0.0192 U	--	--	< 0.0188 U	< 0.0201 U
Aroclor 1248	PCB			< 0.0160 U	--	--	--	--	< 0.0159 U	--	--	< 0.0156 U	< 0.0167 U
Aroclor 1254	PCB			< 0.0177 U	--	--	--	--	< 0.0177 U	--	--	< 0.0174 U	< 0.0186 U
Aroclor 1260	PCB			< 0.0154 U	--	--	--	--	< 0.0154 U	--	--	< 0.0151 U	< 0.0162 U
Sum of Total PCBs (Barr Calculation)	**10**			ND					ND			ND	ND
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics, C10-C28				--	--	150	--	--	--	25.5	37.3	29.7	--
Gasoline Range Organics, C6-C10				--	--	6.7 J	--	--	--	< 3.6 U	--	22.0	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Heavy Media Plant		Motor Shop Drainage							
				Location ID	D-COMP-03	D-TP12-1	D-COMP-03A	D-COMP-04	D-TP16-1	D-TP17-1	D-TP19-1	D-TP21-1	D-TP23-2	D-TP31-1
				Date	6/08/2026	6/08/2026	6/09/2026	6/09/2026	6/09/2026	6/09/2026	6/09/2026	6/09/2026	6/09/2026	6/10/2026
				Depth	0 - 1 ft	0 - 1 ft	0 - 1 ft	2 - 2.5 ft	0 - 1 ft	2 - 3.5 ft	0 - 1 ft	2.2 - 2.7 ft	2 - 2.5 ft	1.5 - 2.5 ft
				Sample Type	N	N	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)												
		Min	Max											
Last Updated	05/05/2026	2009												
Exceedance Key	**Bold**	Not Compared - Reference												
General Parameters														
Moisture, percent					11.4	11.5	9.9	12.8	10.4	19.0	11.5	9.8	14.6	7.4
Metals (mg/kg)														
Arsenic	**9 BTV**	0.3	32		1.4	--	1.4	1.7	2.3	3.3	--	2.3	--	2.1
Barium	41000	125	499		39.9	--	45.6	41.1	49.8	66.9	--	71.7	--	19.5
Cadmium	23				0.33	--	0.33	0.056 J	1.2	0.45	--	0.13 J	--	0.22
Chromium	100000 CR3	39	242		17.0	--	4.4	9.9	16.9	105	--	14.2	--	3.0
Lead	**460**	2	41		7.8	--	2.4	4.5	26.8	84.0	--	24.1	--	2.5
Mercury	3.1	0.01	0.04		0.016 J	--	< 0.0086 U	0.018 J	0.097	0.34	--	0.026	--	0.012 J
Selenium	1200				< 0.48 U	--	< 0.48 U	< 0.48 U	< 0.47 U	< 0.49 U	--	< 0.46 U	--	0.49 J
Silver	1200				< 0.044 U	--	< 0.044 U	< 0.044 U	< 0.043 U	0.11 J	--	< 0.042 U	--	< 0.042 U
TCLP Metals (mg/l)														
Lead					--	--	--	--	--	--	--	--	--	--
Semivolatile Organic Compounds (mg/kg)														
Acenaphthene	6800				< 0.0012 U	--	< 0.0012 U	0.0048 J	< 0.0012 U	0.0043 J	--	0.0174	--	< 0.0012 U
Acenaphthylene					< 0.0019 U	--	< 0.0019 U	0.0059 J	< 0.0019 U	0.0028 J	--	0.0079 J	--	< 0.0019 U
Anthracene	42000				< 0.0013 U	--	< 0.0013 U	0.0090 J	< 0.0013 U	0.0150	--	0.0061 J	--	< 0.0012 U
Benz(a)anthracene	T				0.0027 J	--	0.0025 J	0.0188	0.0028 J	0.0521	--	0.0281	--	< 0.0019 U
Benzo(a)pyrene	**23 T**				0.0032 J	--	0.0022 J	0.0212	0.0025 J	0.0514	--	0.111	--	< 0.0018 U
Benzo(b)fluoranthene	T				0.0046 J	--	0.0028 J	0.0610	0.0057 J	0.102	--	0.0631	--	< 0.0024 U
Benzo(g,h,i)perylene					0.0030 J	--	< 0.0024 U	0.0522	0.0031 J	0.0803	--	0.0476	--	< 0.0024 U
Benzo(k)fluoranthene	T				0.0018 J	--	< 0.0014 U	0.0184	0.0027 J	0.0314	--	< 0.0014 U	--	< 0.0014 U
Chrysene	T				0.0034 J	--	0.0018 J	0.0394	0.0043 J	0.0654	--	0.176	--	< 0.0014 U
Dibenz(a,h)anthracene	T				< 0.0016 U	--	< 0.0015 U	0.0082 J	< 0.0016 U	0.0272	--	0.0128	--	< 0.0015 U
Fluoranthene	2700				0.0066 J	--	0.0035 J	0.0518	0.0051 J	0.0693	--	0.0501	--	< 0.0028 U
Fluorene	5800				< 0.0012 U	--	< 0.0012 U	0.0074 J	< 0.0012 U	0.0028 J	--	0.0268	--	< 0.0012 U
Indeno(1,2,3-cd)pyrene	T				0.0028 J	--	< 0.0022 U	0.0429	< 0.0022 U	0.0728	--	0.0401	--	< 0.0021 U
Naphthalene	280				< 0.0039 U	--	< 0.0039 U	0.11	0.0073 J	0.0532	--	0.0745	--	< 0.0038 U
Phenanthrene					0.0040 J	--	< 0.0024 U	0.102	0.0068 J	0.0792	--	0.217	--	< 0.0023 U
Pyrene	3200				0.0050 J	--	0.0033 J	0.0319	0.0046 J	0.0530	--	0.0748	--	< 0.0022 U
B(a)P Equivalent, Kaplan-Meier	**23 T**				0.0047 a	--	0.0029 a	0.04 a	0.0039 a	0.093	--	0.13	--	NA
B(a)P Equivalent, non-detects at 0, 2002 PEFs	**23 T**				0.0044 a	--	0.0027 a	0.04 a	0.0037 a	0.093	--	0.13	--	ND

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Hill-Annex Mine Phase II Environmental Investigation
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				Sample Location	Heavy Media Plant		Motor Shop Drainage							
				Location ID	D-COMP-03	D-TP12-1	D-COMP-03A	D-COMP-04	D-TP16-1	D-TP17-1	D-TP19-1	D-TP21-1	D-TP23-2	D-TP31-1
				Date	6/08/2026	6/08/2026	6/09/2026	6/09/2026	6/09/2026	6/09/2026	6/09/2026	6/09/2026	6/09/2026	6/10/2026
				Depth	0 - 1 ft	0 - 1 ft	0 - 1 ft	2 - 2.5 ft	0 - 1 ft	2 - 3.5 ft	0 - 1 ft	2.2 - 2.7 ft	2 - 2.5 ft	1.5 - 2.5 ft
				Sample Type	N	N	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)												
		Min	Max											
Last Updated	05/05/2026	2009												
Exceedance Key	**Bold**	Not Compared - Reference												
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	680			--	< 0.0256 U	--	--	< 0.0223 UH	< 0.0294 UH	< 0.0205 UH	< 0.0212 UH	< 0.0234 UH	< 0.0169 U	
1,1,1-Trichloroethane	640			--	< 0.0238 U	--	--	< 0.0208 UH	< 0.0273 UH	< 0.0190 UH	< 0.0197 UH	< 0.0217 UH	< 0.0157 U	
1,1,2,2-Tetrachloroethane	230			--	< 0.0195 U	--	--	< 0.0171 UH	< 0.0225 UH	< 0.0156 UH	< 0.0161 UH	< 0.0179 UH	< 0.0129 U	
1,1,2-Trichloroethane	3.1			--	< 0.0229 U	--	--	< 0.0200 UH	< 0.0263 UH	< 0.0183 UH	< 0.0189 UH	< 0.0209 UH	< 0.0151 U	
1,1-Dichloroethane	1700			--	< 0.0209 U	--	--	< 0.0182 UH	< 0.0240 UH	< 0.0167 UH	< 0.0173 UH	< 0.0191 UH	< 0.0138 U	
1,1-Dichloroethylene	1200			--	< 0.0201 U	--	--	< 0.0176 UH	< 0.0232 UH	< 0.0161 UH	< 0.0166 UH	< 0.0184 UH	< 0.0133 U	
1,1-Dichloropropene				--	< 0.0194 U	--	--	< 0.0169 UH	< 0.0223 UH	< 0.0155 UH	< 0.0160 UH	< 0.0177 UH	< 0.0128 U	
1,2,3-Trichlorobenzene				--	< 0.0236 U	--	--	< 0.0206 UH	< 0.0272 UH	< 0.0189 UH	< 0.0195 UH	< 0.0216 UH	< 0.0156 U	
1,2,3-Trichloropropane	1.5			--	< 0.0264 U	--	--	< 0.0230 UH	< 0.0303 UH	< 0.0211 UH	< 0.0218 UH	< 0.0241 UH	< 0.0174 U	
1,2,4-Trichlorobenzene	87			--	< 0.0245 U	--	--	< 0.0214 UH	< 0.0282 UH	< 0.0196 UH	< 0.0203 UH	< 0.0224 UH	< 0.0162 U	
1,2,4-Trimethylbenzene	220			--	< 0.0220 U	--	--	< 0.0192 UH	0.112 H	< 0.0176 UH	0.0946 H	0.0988 H	< 0.0145 U	
1,2-Dibromo-3-chloropropane (DBCP)				--	< 0.126 U	--	--	< 0.11 UH	< 0.145 UH	< 0.101 UH	< 0.104 UH	< 0.115 UH	< 0.0833 U	
1,2-Dibromoethane (EDB)	2.8			--	< 0.0242 U	--	--	< 0.0212 UH	< 0.0279 UH	< 0.0194 UH	< 0.0200 UH	< 0.0222 UH	< 0.0160 U	
1,2-Dichlorobenzene	380			--	< 0.0221 U	--	--	< 0.0193 UH	< 0.0254 UH	< 0.0177 UH	< 0.0183 UH	< 0.0202 UH	< 0.0146 U	
1,2-Dichloroethane	72			--	< 0.0211 U	--	--	< 0.0184 UH	< 0.0242 UH	< 0.0168 UH	< 0.0174 UH	< 0.0193 UH	< 0.0139 U	
1,2-Dichloroethylene, cis	250			--	< 0.0229 U	--	--	< 0.0200 UH	< 0.0263 UH	< 0.0183 UH	< 0.0189 UH	< 0.0209 UH	< 0.0151 U	
1,2-Dichloroethylene, trans	210			--	< 0.0201 U	--	--	< 0.0176 UH	< 0.0232 UH	< 0.0161 UH	< 0.0166 UH	< 0.0184 UH	< 0.0133 U	
1,2-Dichloropropane	62			--	< 0.0230 U	--	--	< 0.0201 UH	< 0.0265 UH	< 0.0184 UH	< 0.0190 UH	< 0.0211 UH	< 0.0152 U	
1,3,5-Trimethylbenzene	180			--	< 0.0212 U	--	--	< 0.0185 UH	< 0.0244 UH	< 0.0170 UH	< 0.0175 UH	0.0238 HJ	< 0.0140 U	
1,3-Dichlorobenzene	300			--	< 0.0203 U	--	--	< 0.0177 UH	< 0.0233 UH	< 0.0162 UH	< 0.0168 UH	< 0.0186 UH	< 0.0134 U	
1,3-Dichloropropane	1500			--	< 0.0239 U	--	--	< 0.0209 UH	< 0.0275 UH	< 0.0191 UH	< 0.0198 UH	< 0.0219 UH	< 0.0158 U	
1,3-Dichloropropene, cis				--	< 0.0258 U	--	--	< 0.0225 UH	< 0.0296 UH	< 0.0206 UH	< 0.0213 UH	< 0.0235 UH	< 0.0170 U	
1,3-Dichloropropene, trans				--	< 0.0236 U	--	--	< 0.0206 UH	< 0.0272 UH	< 0.0189 UH	< 0.0195 UH	< 0.0216 UH	< 0.0156 U	
1,4-Dichlorobenzene	200			--	< 0.0200 U	--	--	< 0.0175 UH	< 0.0230 UH	< 0.0160 UH	< 0.0165 UH	< 0.0183 UH	< 0.0132 U	
2,2-Dichloropropane				--	< 0.0332 U	--	--	< 0.0290 UH	< 0.0381 UH	< 0.0265 UH	< 0.0274 UH	< 0.0303 UH	< 0.0219 U	
Acetone	100000			--	< 0.486 U	--	--	< 0.424 UH	< 0.559 UH	< 0.389 UH	< 0.402 UH	< 0.445 UH	< 0.321 U	
Allyl chloride	16			--	< 0.134 U	--	--	< 0.117 UH	< 0.154 UH	< 0.107 UH	< 0.11 UH	< 0.122 UH	< 0.0882 U	
Benzene	42			--	< 0.0102 U	--	--	< 0.0089 UH	< 0.0117 UH	< 0.0082 UH	0.0803 H	0.0326 H	< 0.0067 U	
Bromobenzene	680			--	< 0.0262 U	--	--	< 0.0229 UH	< 0.0301 UH	< 0.0210 UH	< 0.0217 UH	< 0.0240 UH	< 0.0173 U	
Bromochloromethane				--	< 0.0239 U	--	--	< 0.0209 UH	< 0.0275 UH	< 0.0191 UH	< 0.0198 UH	< 0.0219 UH	< 0.0158 U	
Bromodichloromethane	930			--	< 0.0309 U	--	--	< 0.0270 UH	< 0.0355 UH	< 0.0247 UH	< 0.0255 UH	< 0.0283 UH	< 0.0204 U	
Bromoform	910			--	< 0.145 U	--	--	< 0.126 UH	< 0.166 UH	< 0.116 UH	< 0.12 UH	< 0.132 UH	< 0.0955 U	
Bromomethane	55			--	< 0.264 U	--	--	< 0.23 UH	< 0.303 UH	< 0.211 UH	< 0.218 UH	< 0.241 UH	< 0.174 U	
Butylbenzene	110			--	< 0.0265 U	--	--	< 0.0231 UH	0.0316 HJ	< 0.0212 UH	< 0.0219 UH	< 0.0242 UH	< 0.0175 U	
Butylbenzene, sec	140			--	< 0.0195 U	--	--	< 0.0171 UH	< 0.0225 UH	< 0.0156 UH	< 0.0161 UH	< 0.0179 UH	< 0.0129 U	
Butylbenzene, tert	180			--	< 0.0223 U	--	--	< 0.0194 UH	< 0.0256 UH	< 0.0178 UH	< 0.0184 UH	< 0.0204 UH	< 0.0147 U	
Carbon tetrachloride	230			--	< 0.0277 U	--	--	< 0.0242 UH	< 0.0319 UH	< 0.0222 UH	< 0.0229 UH	< 0.0253 UH	< 0.0183 U	
Chlorobenzene	700			--	< 0.0221 U	--	--	< 0.0193 UH	< 0.0254 UH	< 0.0177 UH	< 0.0183 UH	< 0.0202 UH	< 0.0146 U	
Chlorodibromomethane	540			--	< 0.0750 U	--	--	< 0.0654 UH	< 0.0862 UH	< 0.0600 UH	< 0.0620 UH	< 0.0686 UH	< 0.0495 U	
Chloroethane	2100			--	< 0.209 U	--	--	< 0.182 UH	< 0.24 UH	< 0.167 UH	< 0.173 UH	< 0.191 UH	< 0.138 U	
Chloroform	31			--	< 0.0292 U	--	--	< 0.0255 UH	< 0.0336 UH	< 0.0234 UH	< 0.0242 UH	< 0.0267 UH	< 0.0193 U	
Chloromethane	1300			--	< 0.0467 U	--	--	< 0.0407 UH	< 0.0536 UH	< 0.0373 UH	< 0.0385 UH	< 0.0427 UH	< 0.0308 U	
Chlorotoluene, o	910			--	< 0.0215 U	--	--	< 0.0188 UH	< 0.0247 UH	< 0.0172 UH	< 0.0178 UH	< 0.0197 UH	< 0.0142 U	
Chlorotoluene, p				--	< 0.0226 U	--	--	< 0.0197 UH	< 0.0259 UH	< 0.0180 UH	< 0.0186 UH	< 0.0206 UH	< 0.0149 U	
Cumene (isopropyl benzene)	270			--	< 0.0189 U	--	--	< 0.0165 UH	0.0470 HJ	< 0.0151 UH	0.0250 HJ	0.0217 HJ	< 0.0125 U	
Cymene p- (toluene isopropyl p-)				--	< 0.0198 U	--	--	< 0.0173 UH	< 0.0228 UH	< 0.0159 UH	0.0293 HJ	< 0.0181 UH	< 0.0131 U	
Dibromomethane (methylene bromide)	59			--	< 0.0309 U	--	--	< 0.0270 UH	< 0.0355 UH	< 0.0247 UH	< 0.0255 UH	< 0.0283 UH	< 0.0204 U	
Dichlorodifluoromethane (Freon-12)	840			--	< 0.0404 U	--	--	< 0.0353 UH	< 0.0465 UH	< 0.0323 UH	< 0.0334 UH	< 0.0370 UH	< 0.0267 U	

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				Sample Location	**Heavy Media Plant**	**Motor Shop Drainage**							
				Location ID	**D-COMP-03**	**D-TP12-1**	**D-COMP-03A**	**D-COMP-04**	**D-TP16-1**	**D-TP17-1**	**D-TP19-1**	**D-TP21-1**	**D-TP23-2**	**D-TP31-1**
				Date	**6/08/2026**	**6/08/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/10/2026**
				Depth	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**2 - 2.5 ft**	**0 - 1 ft**	**2 - 3.5 ft**	**0 - 1 ft**	**2.2 - 2.7 ft**	**2 - 2.5 ft**	**1.5 - 2.5 ft**
				Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
				Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)											
		Min	Max										
Last Updated	05/05/2026	2009											
Exceedance Key	**Bold**	Not Compared - Reference											
Dichlorofluoromethane (Freon-21)				--	< 0.111 U	--	--	< 0.0970 UH	< 0.128 UH	< 0.0889 UH	< 0.0919 UH	< 0.102 UH	< 0.0734 U
Ethyl benzene	480			--	< 0.0254 U	--	--	< 0.0222 UH	0.106 H	< 0.0203 UH	0.0754 H	0.0498 HJ	< 0.0168 U
Ethyl ether	10000			--	< 0.0523 U	--	--	< 0.0456 UH	< 0.0601 UH	< 0.0418 UH	< 0.0432 UH	< 0.0478 UH	< 0.0345 U
Hexachlorobutadiene	17			--	< 0.0471 U	--	--	< 0.0411 UH	< 0.0541 UH	< 0.0377 UH	< 0.0389 UH	< 0.0431 UH	< 0.0311 U
Methyl ethyl ketone (2-butanone)	28000			--	< 0.177 U	--	--	< 0.155 UH	< 0.204 UH	< 0.142 UH	< 0.146 UH	< 0.162 UH	< 0.117 U
Methyl isobutyl ketone (MIBK)	3400			--	< 0.146 U	--	--	< 0.128 UH	< 0.168 UH	< 0.117 UH	< 0.121 UH	< 0.134 UH	< 0.0966 U
Methyl tertiary butyl ether (MTBE)	6300			--	< 0.0221 U	--	--	< 0.0193 UH	< 0.0254 UH	< 0.0177 UH	< 0.0183 UH	< 0.0202 UH	< 0.0146 U
Methylene chloride	1600			--	< 0.15 U	--	--	< 0.131 UH	< 0.173 UH	< 0.12 UH	< 0.124 UH	< 0.138 UH	< 0.0993 U
Naphthalene	280			--	< 0.0303 U	--	--	< 0.0264 UH	0.234 HJ	< 0.0242 UH	0.189 HJ	0.182 HJ	< 0.0200 U
Propylbenzene	260			--	< 0.0189 U	--	--	< 0.0165 UH	0.0808 HJ	< 0.0151 UH	0.0319 HJ	0.0288 HJ	< 0.0125 U
Styrene	870			--	< 0.0244 U	--	--	< 0.0213 UH	< 0.0280 UH	< 0.0195 UH	< 0.0202 UH	< 0.0223 UH	< 0.0161 U
Tetrachloroethylene	170			--	< 0.0264 U	--	--	< 0.0230 UH	4.01 H	< 0.0211 UH	< 0.0218 UH	< 0.0241 UH	< 0.0174 U
Tetrahydrofuran				--	< 0.567 U	--	--	< 0.494 UH	< 0.651 UH	< 0.453 UH	< 0.468 UH	< 0.518 UH	< 0.374 U
Toluene	820			--	< 0.0303 U	--	--	< 0.0264 UH	0.214 H	< 0.0242 UH	0.39 H	0.16 H	< 0.0200 U
Trichloroethylene (TCE)	20			--	< 0.0204 U	--	--	< 0.0178 UH	< 0.0235 UH	< 0.0164 UH	< 0.0169 UH	< 0.0187 UH	< 0.0135 U
Trichlorofluoromethane (Freon-11)	1200			--	< 0.0889 U	--	--	< 0.0776 UH	< 0.102 UH	< 0.0711 UH	< 0.0735 UH	< 0.0813 UH	< 0.0587 U
Trichlorotrifluoroethane (Freon 113)	900			--	< 0.0307 U	--	--	< 0.0268 UH	< 0.0353 UH	< 0.0246 UH	< 0.0254 UH	< 0.0281 UH	< 0.0203 U
Vinyl chloride	56 (13)			--	< 0.0140 U	--	--	< 0.0122 UH	< 0.0160 UH	< 0.0112 UH	< 0.0115 UH	< 0.0128 UH	< 0.0092 U
Xylene, m & p	260 XYL			--	< 0.0430 U	--	--	< 0.0375 UH	0.286 H	< 0.0344 UH	0.248 H	0.197 H	< 0.0284 U
Xylene, o	260 XYL			--	< 0.0236 U	--	--	< 0.0206 UH	0.203 H	< 0.0189 UH	0.15 H	0.134 H	< 0.0156 U
Xylene, total	260 XYL			--	< 0.0430 U	--	--	< 0.0375 UH	0.489 H	< 0.0344 UH	0.398 H	0.331 H	< 0.0284 U

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Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	**Heavy Media Plant**		**Motor Shop Drainage**							
				Location ID	**D-COMP-03**	**D-TP12-1**	**D-COMP-03A**	**D-COMP-04**	**D-TP16-1**	**D-TP17-1**	**D-TP19-1**	**D-TP21-1**	**D-TP23-2**	**D-TP31-1**
				Date	**6/08/2026**	**6/08/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/09/2026**	**6/10/2026**
				Depth	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**2 - 2.5 ft**	**0 - 1 ft**	**2 - 3.5 ft**	**0 - 1 ft**	**2.2 - 2.7 ft**	**2 - 2.5 ft**	**1.5 - 2.5 ft**
				Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
				Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)												
		Min	Max											
Last Updated	05/05/2026	2009												
Exceedance Key	**Bold**	Not Compared - Reference												
Polychlorinated Biphenyls (mg/kg)														
Aroclor 1016	PCB				< 0.0133 U	--	< 0.0138 U	< 0.0142 U	< 0.0136 U	< 0.0147 U	--	< 0.0135 U	--	< 0.0131 U
Aroclor 1221	PCB				< 0.0147 U	--	< 0.0152 U	< 0.0157 U	< 0.0150 U	< 0.0163 U	--	< 0.0149 U	--	< 0.0145 U
Aroclor 1232	PCB				< 0.0173 U	--	< 0.0179 U	< 0.0185 U	< 0.0176 U	< 0.0191 U	--	< 0.0175 U	--	< 0.0170 U
Aroclor 1242	PCB				< 0.0197 U	--	< 0.0203 U	< 0.0210 U	< 0.0200 U	< 0.0217 U	--	< 0.0199 U	--	< 0.0194 U
Aroclor 1248	PCB				< 0.0163 U	--	< 0.0169 U	< 0.0174 U	< 0.0166 U	< 0.0180 U	--	< 0.0165 U	--	< 0.0161 U
Aroclor 1254	PCB				< 0.0182 U	--	< 0.0187 U	< 0.0194 U	< 0.0185 U	< 0.0201 U	--	< 0.0184 U	--	< 0.0179 U
Aroclor 1260	PCB				< 0.0158 U	--	< 0.0163 U	< 0.0169 U	< 0.0161 U	< 0.0174 U	--	< 0.0160 U	--	< 0.0156 U
Sum of Total PCBs (Barr Calculation)	**10**				ND		ND	ND	ND	ND		ND		ND
Total Petroleum Hydrocarbons (mg/kg)														
Diesel Range Organics, C10-C28					--	< 2.0 U	--	--	3.5 J	4.5 J	< 2.4 U	9350	6.3 J	< 2.2 U
Gasoline Range Organics, C6-C10					--	< 3.0 U	--	--	< 3.3 U	< 3.7 U	< 3.1 U	7.0 J	6.5 J	< 2.8 U

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Transformer Area 1				Elevated Diesel AST	Transformer 1 - Motor Shop		
				Location ID	D-COMP-05	D-TP26-1	D-TP28-1	D-TP29-1	D-TP13-1	Concrete-1	Concrete-2	Concrete-3
				Date	6/09/2026	6/09/2026	6/10/2026	6/10/2026	6/09/2026	6/12/2026	6/12/2026	6/12/2026
				Depth	0 - 1 ft	0 - 1 ft	0.8 - 2 ft	1.5 - 2.5 ft	1 - 2 ft			
				Sample Type	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)										
		Min	Max									
Last Updated	05/05/2026	2009										
Exceedance Key	**Bold**	Not Compared - Reference										
General Parameters												
Moisture, percent					9.5	10.9	21.5	18.9	10.2	--	--	--
Metals (mg/kg)												
Arsenic	**9 BTV**	0.3	32		1.5	--	2.9	3.0	--	--	--	--
Barium	41000	125	499		33.0	--	80.4	53.3	--	--	--	--
Cadmium	23				0.25	--	0.22	0.16 J	--	--	--	--
Chromium	100000 CR3	39	242		4.2	--	9.4	14.2	--	--	--	--
Lead	**460**	2	41		10.8	--	8.7	6.0	--	--	--	--
Mercury	3.1	0.01	0.04		0.013 J	--	0.048	0.027	--	--	--	--
Selenium	1200				< 0.45 U	--	0.65 J	0.97 J	--	--	--	--
Silver	1200				< 0.041 U	--	0.050 J	< 0.046 U	--	--	--	--
TCLP Metals (mg/l)												
Lead					--	--	--	--	--	--	--	--
Semivolatile Organic Compounds (mg/kg)												
Acenaphthene	6800				< 0.0012 U	--	0.0362	0.0438 J	--	--	--	--
Acenaphthylene					< 0.0019 U	--	0.0585	0.121	--	--	--	--
Anthracene	42000				< 0.0012 U	--	0.294	0.409	--	--	--	--
Benz(a)anthracene	T				< 0.0020 U	--	0.216	0.0836	--	--	--	--
Benzo(a)pyrene	**23 T**				< 0.0018 U	--	0.104	0.0349 J	--	--	--	--
Benzo(b)fluoranthene	T				< 0.0025 U	--	0.252	0.125	--	--	--	--
Benzo(g,h,i)perylene					< 0.0024 U	--	0.18	0.0715	--	--	--	--
Benzo(k)fluoranthene	T				< 0.0014 U	--	0.0442	0.0435 J	--	--	--	--
Chrysene	T				< 0.0014 U	--	0.24	0.108	--	--	--	--
Dibenz(a,h)anthracene	T				< 0.0015 U	--	0.0411	0.0311 J	--	--	--	--
Fluoranthene	2700				< 0.0028 U	--	0.219	0.144	--	--	--	--
Fluorene	5800				< 0.0012 U	--	0.0421	< 0.0067 U	--	--	--	--
Indeno(1,2,3-cd)pyrene	T				< 0.0022 U	--	0.134	0.0777	--	--	--	--
Naphthalene	280				< 0.0038 U	--	1.35	0.262	--	--	--	--
Phenanthrene					< 0.0023 U	--	1.39	0.684	--	--	--	--
Pyrene	3200				< 0.0022 U	--	0.235	0.0785	--	--	--	--
B(a)P Equivalent, Kaplan-Meier	**23 T**				NA	--	0.19	0.086 a	--	--	--	--
B(a)P Equivalent, non-detects at 0, 2002 PEFs	**23 T**				ND	--	0.19	0.086 a	--	--	--	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Transformer Area 1				Elevated Diesel AST	Transformer 1 - Motor Shop		
				Location ID	D-COMP-05	D-TP26-1	D-TP28-1	D-TP29-1	D-TP13-1	Concrete-1	Concrete-2	Concrete-3
				Date	6/09/2026	6/09/2026	6/10/2026	6/10/2026	6/09/2026	6/12/2026	6/12/2026	6/12/2026
				Depth	0 - 1 ft	0 - 1 ft	0.8 - 2 ft	1.5 - 2.5 ft	1 - 2 ft			
				Sample Type	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)										
		Min	Max									
Last Updated	05/05/2026	2009										
Exceedance Key	**Bold**	Not Compared - Reference										
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	680			--	< 0.0204 UH	< 0.0284 U	< 0.0268 U	< 0.0292 UH	--	--	--	
1,1,1-Trichloroethane	640			--	< 0.0190 UH	< 0.0264 U	< 0.0249 U	< 0.0271 UH	--	--	--	
1,1,2,2-Tetrachloroethane	230			--	< 0.0156 UH	< 0.0217 U	< 0.0205 U	< 0.0223 UH	--	--	--	
1,1,2-Trichloroethane	3.1			--	< 0.0182 UH	< 0.0254 U	< 0.0240 U	< 0.0260 UH	--	--	--	
1,1-Dichloroethane	1700			--	< 0.0167 UH	< 0.0232 U	< 0.0219 U	< 0.0238 UH	--	--	--	
1,1-Dichloroethylene	1200			--	< 0.0161 UH	< 0.0223 U	< 0.0211 U	< 0.0229 UH	--	--	--	
1,1-Dichloropropene				--	< 0.0155 UH	< 0.0215 U	< 0.0203 U	< 0.0221 UH	--	--	--	
1,2,3-Trichlorobenzene				--	< 0.0188 UH	0.125	< 0.0248 U	< 0.0269 UH	--	--	--	
1,2,3-Trichloropropane	1.5			--	< 0.0210 UH	< 0.0292 U	< 0.0276 U	< 0.0300 UH	--	--	--	
1,2,4-Trichlorobenzene	87			--	< 0.0196 UH	1.18	< 0.0257 U	< 0.0279 UH	--	--	--	
1,2,4-Trimethylbenzene	220			--	< 0.0175 UH	0.213	0.134	0.254 H	--	--	--	
1,2-Dibromo-3-chloropropane (DBCP)				--	< 0.101 UH	< 0.14 U	< 0.132 U	< 0.144 UH	--	--	--	
1,2-Dibromoethane (EDB)	2.8			--	< 0.0193 UH	< 0.0269 U	< 0.0254 U	< 0.0276 UH	--	--	--	
1,2-Dichlorobenzene	380			--	< 0.0176 UH	< 0.0245 U	< 0.0232 U	< 0.0252 UH	--	--	--	
1,2-Dichloroethane	72			--	< 0.0168 UH	< 0.0234 U	< 0.0221 U	< 0.0240 UH	--	--	--	
1,2-Dichloroethylene, cis	250			--	< 0.0182 UH	< 0.0254 U	< 0.0240 U	< 0.0260 UH	--	--	--	
1,2-Dichloroethylene, trans	210			--	< 0.0161 UH	< 0.0223 U	< 0.0211 U	< 0.0229 UH	--	--	--	
1,2-Dichloropropane	62			--	< 0.0184 UH	< 0.0255 U	< 0.0241 U	< 0.0262 UH	--	--	--	
1,3,5-Trimethylbenzene	180			--	< 0.0169 UH	0.0530 J	0.0294 J	0.0626 HJ	--	--	--	
1,3-Dichlorobenzene	300			--	< 0.0162 UH	< 0.0225 U	< 0.0213 U	< 0.0231 UH	--	--	--	
1,3-Dichloropropane	1500			--	< 0.0191 UH	< 0.0265 U	< 0.0251 U	< 0.0273 UH	--	--	--	
1,3-Dichloropropene, cis				--	< 0.0205 UH	< 0.0286 U	< 0.0270 U	< 0.0293 UH	--	--	--	
1,3-Dichloropropene, trans				--	< 0.0188 UH	< 0.0262 U	< 0.0248 U	< 0.0269 UH	--	--	--	
1,4-Dichlorobenzene	200			--	< 0.0159 UH	< 0.0222 U	< 0.0209 U	< 0.0228 UH	--	--	--	
2,2-Dichloropropane				--	< 0.0264 UH	< 0.0368 U	< 0.0348 U	< 0.0378 UH	--	--	--	
Acetone	100000			--	< 0.388 UH	< 0.539 U	< 0.509 U	< 0.554 UH	--	--	--	
Allyl chloride	16			--	< 0.106 UH	< 0.148 U	< 0.14 U	< 0.152 UH	--	--	--	
Benzene	42			--	< 0.0081 UH	0.0966	0.182	0.0582 H	--	--	--	
Bromobenzene	680			--	< 0.0209 UH	< 0.0291 U	< 0.0275 U	< 0.0298 UH	--	--	--	
Bromochloromethane				--	< 0.0191 UH	< 0.0265 U	< 0.0251 U	< 0.0273 UH	--	--	--	
Bromodichloromethane	930			--	< 0.0246 UH	< 0.0343 U	< 0.0324 U	< 0.0352 UH	--	--	--	
Bromoform	910			--	< 0.115 UH	< 0.16 U	< 0.152 U	< 0.165 UH	--	--	--	
Bromomethane	55			--	< 0.21 UH	< 0.292 U	< 0.276 U	< 0.3 UH	--	--	--	
Butylbenzene	110			--	< 0.0211 UH	0.0395 J	0.0492 J	0.0381 HJ	--	--	--	
Butylbenzene, sec	140			--	< 0.0156 UH	< 0.0217 U	< 0.0205 U	0.0230 HJ	--	--	--	
Butylbenzene, tert	180			--	< 0.0177 UH	< 0.0247 U	< 0.0233 U	< 0.0254 UH	--	--	--	
Carbon tetrachloride	230			--	< 0.0221 UH	< 0.0307 U	< 0.0290 U	< 0.0316 UH	--	--	--	
Chlorobenzene	700			--	< 0.0176 UH	< 0.0245 U	< 0.0232 U	< 0.0252 UH	--	--	--	
Chlorodibromomethane	540			--	< 0.0598 UH	< 0.0832 U	< 0.0786 U	< 0.0854 UH	--	--	--	
Chloroethane	2100			--	< 0.167 UH	< 0.232 U	< 0.219 U	< 0.238 UH	--	--	--	
Chloroform	31			--	< 0.0233 UH	< 0.0324 U	< 0.0306 U	< 0.0333 UH	--	--	--	
Chloromethane	1300			--	< 0.0372 UH	< 0.0518 U	< 0.0489 U	< 0.0531 UH	--	--	--	
Chlorotoluene, o	910			--	< 0.0171 UH	< 0.0239 U	< 0.0225 U	< 0.0245 UH	--	--	--	
Chlorotoluene, p				--	< 0.0180 UH	< 0.0250 U	< 0.0236 U	< 0.0257 UH	--	--	--	
Cumene (isopropyl benzene)	270			--	< 0.0151 UH	0.0476 J	0.0310 J	0.0617 HJ	--	--	--	
Cymene p- (toluene isopropyl p-)				--	< 0.0158 UH	< 0.0220 U	< 0.0208 U	< 0.0226 UH	--	--	--	
Dibromomethane (methylene bromide)	59			--	< 0.0246 UH	< 0.0343 U	< 0.0324 U	< 0.0352 UH	--	--	--	
Dichlorodifluoromethane (Freon-12)	840			--	< 0.0322 UH	< 0.0449 U	< 0.0424 U	< 0.0461 UH	--	--	--	

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Hill-Annex Mine Phase II Environmental Investigation
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				Sample Location	Transformer Area 1				Elevated Diesel AST	Transformer 1 - Motor Shop		
				Location ID	D-COMP-05	D-TP26-1	D-TP28-1	D-TP29-1	D-TP13-1	Concrete-1	Concrete-2	Concrete-3
				Date	6/09/2026	6/09/2026	6/10/2026	6/10/2026	6/09/2026	6/12/2026	6/12/2026	6/12/2026
				Depth	0 - 1 ft	0 - 1 ft	0.8 - 2 ft	1.5 - 2.5 ft	1 - 2 ft			
				Sample Type	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)										
		Min	Max									
Last Updated	05/05/2026	2009										
Exceedance Key	**Bold**	Not Compared - Reference										
Dichlorofluoromethane (Freon-21)				--	< 0.0886 UH	< 0.123 U	< 0.116 U	< 0.127 UH	--	--	--	
Ethyl benzene	480			--	< 0.0203 UH	0.112	0.0919	0.0849 HJ	--	--	--	
Ethyl ether	10000			--	< 0.0417 UH	< 0.0580 U	< 0.0548 U	< 0.0595 UH	--	--	--	
Hexachlorobutadiene	17			--	< 0.0376 UH	< 0.0523 U	< 0.0494 U	< 0.0536 UH	--	--	--	
Methyl ethyl ketone (2-butanone)	28000			--	< 0.141 UH	< 0.197 U	< 0.186 U	< 0.202 UH	--	--	--	
Methyl isobutyl ketone (MIBK)	3400			--	< 0.117 UH	< 0.162 U	< 0.153 U	< 0.167 UH	--	--	--	
Methyl tertiary butyl ether (MTBE)	6300			--	< 0.0176 UH	< 0.0245 U	< 0.0232 U	< 0.0252 UH	--	--	--	
Methylene chloride	1600			--	< 0.12 UH	< 0.167 U	< 0.158 U	< 0.171 UH	--	--	--	
Naphthalene	280			--	< 0.0241 UH	0.345	0.232 J	0.398 H	--	--	--	
Propylbenzene	260			--	< 0.0151 UH	0.0680 J	0.0538 J	0.0650 HJ	--	--	--	
Styrene	870			--	< 0.0194 UH	< 0.0271 U	< 0.0256 U	< 0.0278 UH	--	--	--	
Tetrachloroethylene	170			--	< 0.0210 UH	0.83	1	< 0.0300 UH	--	--	--	
Tetrahydrofuran				--	< 0.452 UH	< 0.628 U	< 0.594 U	< 0.645 UH	--	--	--	
Toluene	820			--	< 0.0241 UH	0.534	0.544	0.377 H	--	--	--	
Trichloroethylene (TCE)	20			--	< 0.0163 UH	< 0.0227 U	< 0.0214 U	< 0.0233 UH	--	--	--	
Trichlorofluoromethane (Freon-11)	1200			--	< 0.0709 UH	< 0.0986 U	< 0.0932 U	< 0.101 UH	--	--	--	
Trichlorotrifluoroethane (Freon 113)	900			--	< 0.0245 UH	< 0.0341 U	< 0.0322 U	< 0.0350 UH	--	--	--	
Vinyl chloride	56 (13)			--	< 0.0111 UH	< 0.0155 U	< 0.0146 U	< 0.0159 UH	--	--	--	
Xylene, m & p	260 XYL			--	< 0.0343 UH	0.455	0.294	0.422 H	--	--	--	
Xylene, o	260 XYL			--	< 0.0188 UH	0.311	0.182	0.34 H	--	--	--	
Xylene, total	260 XYL			--	< 0.0343 UH	0.766	0.477	0.762 H	--	--	--	

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Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	Transformer Area 1				Elevated Diesel AST	Transformer 1 - Motor Shop		
				Location ID	D-COMP-05	D-TP26-1	D-TP28-1	D-TP29-1	D-TP13-1	Concrete-1	Concrete-2	Concrete-3
				Date	6/09/2026	6/09/2026	6/10/2026	6/10/2026	6/09/2026	6/12/2026	6/12/2026	6/12/2026
				Depth	0 - 1 ft	0 - 1 ft	0.8 - 2 ft	1.5 - 2.5 ft	1 - 2 ft			
				Sample Type	N	N	N	N	N	N	N	N
				Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)										
		Min	Max									
Last Updated	05/05/2026	2009										
Exceedance Key	**Bold**	Not Compared - Reference										
Polychlorinated Biphenyls (mg/kg)												
Aroclor 1016	PCB				< 0.0134 U	--	< 0.0155 U	< 0.0151 U	--	< 0.0122 U	< 0.0120 U	< 0.0124 U
Aroclor 1221	PCB				< 0.0148 U	--	< 0.0171 U	< 0.0167 U	--	< 0.0134 U	< 0.0133 U	< 0.0137 U
Aroclor 1232	PCB				< 0.0174 U	--	< 0.0201 U	< 0.0196 U	--	< 0.0158 U	< 0.0156 U	< 0.0161 U
Aroclor 1242	PCB				< 0.0198 U	--	< 0.0229 U	< 0.0223 U	--	< 0.0179 U	< 0.0178 U	< 0.0183 U
Aroclor 1248	PCB				< 0.0165 U	--	< 0.0190 U	< 0.0185 U	--	< 0.0149 U	< 0.0148 U	< 0.0152 U
Aroclor 1254	PCB				< 0.0183 U	--	< 0.0211 U	< 0.0206 U	--	< 0.0166 U	< 0.0164 U	< 0.0169 U
Aroclor 1260	PCB				< 0.0159 U	--	13.9	0.0674	--	0.331	2.46	< 0.0147 U
Sum of Total PCBs (Barr Calculation)	**10**				ND		**13.9**	0.0674		0.331	2.46	ND
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics, C10-C28					--	< 3.4 U	6290	10200	53.7 J	--	--	--
Gasoline Range Organics, C6-C10					--	< 3.0 U	7.3 J	6.2 J	4.8 J	--	--	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Material Storage Area 1			Material Storage Area 2	
Sample Location								
Location ID				**E-COMP-1**	**E-TP01-1**	**E-TP04-1**	**E-COMP-2**	**E-TP07-1**
Date				**6/08/2026**	**6/08/2026**	**6/08/2026**	**6/08/2026**	**6/08/2026**
Depth				**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
Sample Type				**N**	**N**	**N**	**N**	**N**
Data Status				**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)						
		Min	Max					
Last Updated	05/05/2026	2009						
Exceedance Key	**Bold**	Not Compared - Reference						
General Parameters								
Moisture, percent				6.9	4.5	4.3	9.0	13.6
Metals (mg/kg)								
Arsenic	**9 BTV**	0.3	32	4.0	3.5	--	2.6	--
Barium	41000	125	499	28.6	21.3	--	42.7	--
Cadmium	23			0.20	0.094 J	--	0.35	--
Chromium	100000 CR3	39	242	17.6	16.3	--	2.9	--
Lead	**460**	2	41	4.0	2.5	--	1.1	--
Mercury	3.1	0.01	0.04	0.030	0.070	--	0.016 J	--
Selenium	1200			< 0.45 U	< 0.45 U	--	< 0.45 U	--
Silver	1200			< 0.041 U	< 0.041 U	--	< 0.042 U	--
TCLP Metals (mg/l)								
Lead				--	--	--	--	--
Semivolatile Organic Compounds (mg/kg)								
Acenaphthene	6800			< 0.0011 U	0.0011 J	--	< 0.0012 U	--
Acenaphthylene				0.0127	< 0.0018 U	--	< 0.0019 U	--
Anthracene	42000			0.0323	0.0018 J	--	< 0.0012 U	--
Benz(a)anthracene	T			0.0748	< 0.0019 U	--	< 0.0020 U	--
Benzo(a)pyrene	**23 T**			0.0687	< 0.0017 U	--	< 0.0018 U	--
Benzo(b)fluoranthene	T			0.283	< 0.0023 U	--	< 0.0025 U	--
Benzo(g,h,i)perylene				0.0551	< 0.0022 U	--	< 0.0024 U	--
Benzo(k)fluoranthene	T			0.0944	< 0.0013 U	--	< 0.0014 U	--
Chrysene	T			0.166	< 0.0013 U	--	< 0.0014 U	--
Dibenz(a,h)anthracene	T			0.0176	< 0.0014 U	--	< 0.0015 U	--
Fluoranthene	2700			0.277	< 0.0026 U	--	< 0.0028 U	--
Fluorene	5800			0.0019 J	0.0015 J	--	< 0.0012 U	--
Indeno(1,2,3-cd)pyrene	T			0.0673	< 0.0020 U	--	< 0.0022 U	--
Naphthalene	280			< 0.0037 U	< 0.0036 U	--	< 0.0038 U	--
Phenanthrene				0.0306	0.0034 J	--	< 0.0023 U	--
Pyrene	3200			0.209	< 0.0021 U	--	< 0.0022 U	--
B(a)P Equivalent, Kaplan-Meier	**23 T**			0.13	NA	--	NA	--
B(a)P Equivalent, non-detects at 0, 2002 PEFs	**23 T**			0.13	ND	--	ND	--

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

				Sample Location	**Material Storage Area 1**			**Material Storage Area 2**
				Location ID	**E-COMP-1**	**E-TP01-1**	**E-TP04-1**	**E-COMP-2**	**E-TP07-1**
				Date	**6/08/2026**	**6/08/2026**	**6/08/2026**	**6/08/2026**	**6/08/2026**
				Depth	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
				Sample Type	**N**	**N**	**N**	**N**	**N**
				Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)							
		Min	Max						
Last Updated	05/05/2026	2009							
Exceedance Key	**Bold**	Not Compared - Reference							
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	680			--	< 0.0180 U	< 0.0200 U	--	< 0.0225 U
1,1,1-Trichloroethane	640			--	< 0.0167 U	< 0.0186 U	--	< 0.0209 U
1,1,2,2-Tetrachloroethane	230			--	< 0.0137 U	< 0.0152 U	--	< 0.0172 U
1,1,2-Trichloroethane	3.1			--	< 0.0160 U	< 0.0179 U	--	< 0.0201 U
1,1-Dichloroethane	1700			--	< 0.0147 U	< 0.0163 U	--	< 0.0184 U
1,1-Dichloroethylene	1200			--	< 0.0141 U	< 0.0157 U	--	< 0.0177 U
1,1-Dichloropropene				--	< 0.0136 U	< 0.0151 U	--	< 0.0171 U
1,2,3-Trichlorobenzene				--	< 0.0166 U	< 0.0184 U	--	< 0.0208 U
1,2,3-Trichloropropane	1.5			--	< 0.0185 U	< 0.0206 U	--	< 0.0232 U
1,2,4-Trichlorobenzene	87			--	< 0.0172 U	< 0.0192 U	--	< 0.0216 U
1,2,4-Trimethylbenzene	220			--	< 0.0154 U	< 0.0171 U	--	< 0.0193 U
1,2-Dibromo-3-chloropropane (DBCP)				--	< 0.0885 U	< 0.0985 U	--	< 0.111 U
1,2-Dibromoethane (EDB)	2.8			--	< 0.0170 U	< 0.0189 U	--	< 0.0213 U
1,2-Dichlorobenzene	380			--	< 0.0155 U	< 0.0173 U	--	< 0.0195 U
1,2-Dichloroethane	72			--	< 0.0148 U	< 0.0164 U	--	< 0.0185 U
1,2-Dichloroethylene, cis	250			--	< 0.0160 U	< 0.0179 U	--	< 0.0201 U
1,2-Dichloroethylene, trans	210			--	< 0.0141 U	< 0.0157 U	--	< 0.0177 U
1,2-Dichloropropane	62			--	< 0.0161 U	< 0.0180 U	--	< 0.0203 U
1,3,5-Trimethylbenzene	180			--	< 0.0149 U	< 0.0166 U	--	< 0.0187 U
1,3-Dichlorobenzene	300			--	< 0.0142 U	< 0.0158 U	--	< 0.0179 U
1,3-Dichloropropane	1500			--	< 0.0168 U	< 0.0187 U	--	< 0.0211 U
1,3-Dichloropropene, cis				--	< 0.0181 U	< 0.0201 U	--	< 0.0227 U
1,3-Dichloropropene, trans				--	< 0.0166 U	< 0.0184 U	--	< 0.0208 U
1,4-Dichlorobenzene	200			--	< 0.0140 U	< 0.0156 U	--	< 0.0176 U
2,2-Dichloropropane				--	< 0.0233 U	< 0.0259 U	--	< 0.0292 U
Acetone	100000			--	< 0.341 U	< 0.379 U	--	< 0.428 U
Allyl chloride	16			--	< 0.0937 U	< 0.104 U	--	< 0.118 U
Benzene	42			--	< 0.0071 U	< 0.0080 U	--	0.0128 J
Bromobenzene	680			--	< 0.0184 U	< 0.0205 U	--	< 0.0231 U
Bromochloromethane				--	< 0.0168 U	< 0.0187 U	--	< 0.0211 U
Bromodichloromethane	930			--	< 0.0217 U	< 0.0241 U	--	< 0.0272 U
Bromoform	910			--	< 0.101 U	< 0.113 U	--	< 0.127 U
Bromomethane	55			--	< 0.185 U	< 0.206 U	--	< 0.232 U
Butylbenzene	110			--	< 0.0186 U	< 0.0207 U	--	< 0.0233 U
Butylbenzene, sec	140			--	< 0.0137 U	< 0.0152 U	--	< 0.0172 U
Butylbenzene, tert	180			--	< 0.0156 U	< 0.0174 U	--	< 0.0196 U
Carbon tetrachloride	230			--	< 0.0194 U	< 0.0216 U	--	< 0.0244 U
Chlorobenzene	700			--	< 0.0155 U	< 0.0173 U	--	< 0.0195 U
Chlorodibromomethane	540			--	< 0.0526 U	< 0.0585 U	--	< 0.0660 U
Chloroethane	2100			--	< 0.147 U	< 0.163 U	--	< 0.184 U
Chloroform	31			--	< 0.0205 U	< 0.0228 U	--	< 0.0257 U
Chloromethane	1300			--	< 0.0327 U	< 0.0364 U	--	< 0.0411 U
Chlorotoluene, o	910			--	< 0.0151 U	< 0.0168 U	--	< 0.0189 U
Chlorotoluene, p				--	< 0.0158 U	< 0.0176 U	--	< 0.0199 U
Cumene (isopropyl benzene)	270			--	< 0.0133 U	< 0.0148 U	--	< 0.0167 U
Cymene p- (toluene isopropyl p-)				--	< 0.0139 U	< 0.0155 U	--	< 0.0175 U
Dibromomethane (methylene bromide)	59			--	< 0.0217 U	< 0.0241 U	--	< 0.0272 U
Dichlorodifluoromethane (Freon-12)	840			--	< 0.0284 U	< 0.0316 U	--	< 0.0356 U

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	**Material Storage Area 1**			**Material Storage Area 2**	
			Location ID	**E-COMP-1**	**E-TP01-1**	**E-TP04-1**	**E-COMP-2**	**E-TP07-1**
			Date	**6/08/2026**	**6/08/2026**	**6/08/2026**	**6/08/2026**	**6/08/2026**
			Depth	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
			Sample Type	**N**	**N**	**N**	**N**	**N**
			Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)						
		Min	Max					
Last Updated	05/05/2026	2009						
Exceedance Key	**Bold**	Not Compared - Reference						
Dichlorofluoromethane (Freon-21)				--	< 0.0780 U	< 0.0868 U	--	< 0.0979 U
Ethyl benzene	480			--	< 0.0178 U	< 0.0199 U	--	< 0.0224 U
Ethyl ether	10000			--	< 0.0366 U	< 0.0408 U	--	< 0.0460 U
Hexachlorobutadiene	17			--	< 0.0330 U	< 0.0368 U	--	< 0.0415 U
Methyl ethyl ketone (2-butanone)	28000			--	< 0.124 U	< 0.138 U	--	< 0.156 U
Methyl isobutyl ketone (MIBK)	3400			--	< 0.103 U	< 0.114 U	--	< 0.129 U
Methyl tertiary butyl ether (MTBE)	6300			--	< 0.0155 U	< 0.0173 U	--	< 0.0195 U
Methylene chloride	1600			--	< 0.105 U	< 0.117 U	--	< 0.132 U
Naphthalene	280			--	< 0.0212 U	< 0.0236 U	--	< 0.0267 U
Propylbenzene	260			--	< 0.0133 U	< 0.0148 U	--	< 0.0167 U
Styrene	870			--	< 0.0171 U	< 0.0190 U	--	< 0.0215 U
Tetrachloroethylene	170			--	< 0.0185 U	< 0.0206 U	--	< 0.0232 U
Tetrahydrofuran				--	< 0.397 U	< 0.442 U	--	< 0.499 U
Toluene	820			--	< 0.0212 U	< 0.0236 U	--	< 0.0267 U
Trichloroethylene (TCE)	20			--	< 0.0143 U	< 0.0160 U	--	< 0.0180 U
Trichlorofluoromethane (Freon-11)	1200			--	< 0.0624 U	< 0.0694 U	--	< 0.0783 U
Trichlorotrifluoroethane (Freon 113)	900			--	< 0.0216 U	< 0.0240 U	--	< 0.0271 U
Vinyl chloride	56 (13)			--	< 0.0098 U	< 0.0109 U	--	< 0.0123 U
Xylene, m & p	260 XYL			--	< 0.0302 U	< 0.0336 U	--	< 0.0379 U
Xylene, o	260 XYL			--	< 0.0166 U	< 0.0184 U	--	< 0.0208 U
Xylene, total	260 XYL			--	< 0.0302 U	< 0.0336 U	--	< 0.0379 U

Table 2
Soil Analytical Data Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

			Sample Location	**Material Storage Area 1**			**Material Storage Area 2**	
			Location ID	**E-COMP-1**	**E-TP01-1**	**E-TP04-1**	**E-COMP-2**	**E-TP07-1**
			Date	**6/08/2026**	**6/08/2026**	**6/08/2026**	**6/08/2026**	**6/08/2026**
			Depth	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**	**0 - 1 ft**
			Sample Type	**N**	**N**	**N**	**N**	**N**
			Data Status	**Validated**	**Validated**	**Validated**	**Validated**	**Validated**
Parameter	MPCA Industrial/ Commercial Chronic Soil Reference Values	Range of Regional Background Concentration (1)						
		Min	Max					
Last Updated	05/05/2026	2009						
Exceedance Key	**Bold**	Not Compared - Reference						
Polychlorinated Biphenyls (mg/kg)								
Aroclor 1016	PCB			< 0.0128 U	< 0.0124 U	--	< 0.0131 U	--
Aroclor 1221	PCB			< 0.0141 U	< 0.0137 U	--	< 0.0145 U	--
Aroclor 1232	PCB			< 0.0166 U	< 0.0161 U	--	< 0.0170 U	--
Aroclor 1242	PCB			< 0.0189 U	< 0.0183 U	--	< 0.0193 U	--
Aroclor 1248	PCB			< 0.0157 U	< 0.0152 U	--	< 0.0161 U	--
Aroclor 1254	PCB			< 0.0175 U	< 0.0169 U	--	< 0.0179 U	--
Aroclor 1260	PCB			< 0.0152 U	< 0.0147 U	--	< 0.0155 U	--
Sum of Total PCBs (Barr Calculation)	**10**			ND	ND		ND	
Total Petroleum Hydrocarbons (mg/kg)								
Diesel Range Organics, C10-C28				--	< 2.6 U	< 2.7 U	--	< 3.2 U
Gasoline Range Organics, C6-C10				--	< 2.8 U	2.7 J	--	< 3.3 U

Data Footnotes and Qualifiers

Barr Standard Footnotes and Qualifiers

--	Not analyzed/Not available.
N	Sample Type: Normal
NA	Not applicable.
ND	Not detected.
Validated	Laboratory data has been evaluated following Barr QA/QC procedures and/or project-specific data review requirements. Field data has been verified for transcription errors, consistency and completeness. Data transferred from the previous database (9/2009) were categorized as validated, but may comprise any of the following data status categories: Validated, SSource, No QC or Legacy.
a	Estimated value, calculated using some or all values that are estimates.
H	Recommended sample preservation, extraction or analysis holding time was exceeded.
J	Estimated detected value. Either certain QC criteria were not met or the concentration is between the laboratory's detection and quantitation limits.
J-	The result is an estimated quantity and may be biased low.
J+	The result is an estimated quantity and may be biased high.
U	The analyte was analyzed for, but was not detected.
UB	The analyte was detected in one of the associated laboratory, equipment, field or trip blank samples and is considered non-detect at the concentration reported by the laboratory.

MPCA Industrial/Commercial Chronic Soil Reference Values

(13)	Res-Rec SRV should be used if children are expected to be present; refer to SRV TSD for more information.
BTV	Background Threshold Values (BTVs). Not calculated health based SRVs. The calculated SRVs were determined to be below background values. Please refer to the "Background Threshold Value Evaluation" document for additional information. It is not appropriate to include BTVs in additivity calculations.
CR3	Based on the value for chromium, trivalent. Total chromium concentrations in soil are typically comprised primarily of Chromium III. Chromium VI is stable only under pH and redox conditions rarely found in soil under natural environmental conditions. For sites with no known specific use or release of Chromium VI, the Chromium III soil screening levels are appropriate to apply to total chromium soil concentrations. The Background Threshold Value for total chromium concentrations is also an applicable screening level.
PCB	Value to be combined with individual polychlorinated biphenyls and compared to the applicable standard.
T	Value represents a criteria for the total carcinogenic PAHs as B(a)P
XYL	Value represents the criteria for xylenes (mixed isomers).

Range of Regional Background Concentration

(1)	MGS, 2009. “Minnesota Geological Survey Open File Report OFR09-02, Minnesota Soil, Till, and Groundwater Geochemical Data.” R.S. Lively and L. Harvey Thorleifson, 2009. Retrieved from the University of Minnesota Digital Conservancy, https://hdl.handle.net/11299/117364

Table 3
Criteria Exceedance Summary
Hill-Annex Mine Phase II Environmental Investigation
Minnesota Department of Iron Range Resources and Rehabilitation

Area	Site Feature	Location ID	Depth	Parameter	Result	Criteria[1,2]	Criteria Value	Units
Area B - Train Yard	Transformer Exhibit	B-TP35-2	1.8 - 2.8 ft	Combined DRO/GRO	103.1	RF	100	mg/kg
Area B - Train Yard	Transformer Exhibit	B-TP35-2	1.8 - 2.8 ft	Arsenic	11.8	SRV	9	mg/kg
Area B - Train Yard	Former Gasoline UST Area	B-TP40-2	11 - 12 ft	Combined DRO/GRO	1686	RF	100	mg/kg
Area B - Train Yard	Cold Storage Building	B-TP41-1	0 - 1 ft	Combined DRO/GRO	4685.6	RF	100	mg/kg
Area B - Train Yard	Docking Area	B-TP51-1	0 - 1 ft	Combined DRO/GRO	125	RF	100	mg/kg
Area B - Train Yard	Quonset Hut	B-TP53-1	0 - 1 ft	Combined DRO/GRO	109	RF	100	mg/kg
Area B - Train Yard	Transformer Area 2	B-TP57-1	0.5 - 3 ft	Arsenic	58.4	SRV	9	mg/kg
Area B - Train Yard	Transformer Area 2	B-TP57-1	0.5 - 3 ft	Lead	33600	SRV	460	mg/kg
Area B - Train Yard	Transformer Area 2	B-TP58-1	1 - 2 ft	Combined DRO/GRO	337.5	RF	100	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP62-1	(3)	B(a)P Equivalent, Kaplan-Meier	26	SRV	23	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP62-1	(3)	Lead	512	SRV	460	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP62-1	(3)	Arsenic	16.2	SRV	9	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP62-1	(3)	Combined DRO/GRO	2808.4	RF	100	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP63-1	(3)	B(a)P Equivalent, Kaplan-Meier	130	SRV	23	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP63-1	(3)	Benzo(a)pyrene	68.8	SRV	23	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP63-1	(3)	Lead	2830	SRV	460	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP63-1	(3)	Arsenic	17.1	SRV	9	mg/kg
Area B - Train Yard	Locomotive Repair Shop	B-TP63-1	(3)	Combined DRO/GRO	8410.1	RF	100	mg/kg
Area B - Train Yard	Maintenance Shop - Drainage Pit	B-TP64-1	3.3 - 3.5 ft	Combined DRO/GRO	9954.7	RF	100	mg/kg
Area C - Electrical Shop	Electrical Shop Material Storage Area	C-COMP-11	0 - 1.7 ft	Arsenic	11.7	SRV	9	mg/kg
Area C - Electrical Shop	Electrical Shop Material Storage Area	C-TP73-1	0 - 1.7 ft	Combined DRO/GRO	156.7	RF	100	mg/kg
Area C - Electrical Shop	Electrical Shop Material Storage Area	C-TP74-1	0 - 1.7 ft	Arsenic	12.1	SRV	9	mg/kg
Area D - Heavy Media Plant	Motor Shop Drainage	D-TP21-1	2.2 - 2.7 ft	Combined DRO/GRO	9357	RF	100	mg/kg
Area D - Heavy Media Plant	Transformer Area 1	D-TP28-1	0.8 - 2 ft	Sum of Total PCBs (Barr Calculation)	13.9	SRV	10	mg/kg
Area D - Heavy Media Plant	Transformer Area 1	D-TP28-1	0.8 - 2 ft	Combined DRO/GRO	6297.3	RF	100	mg/kg
Area D - Heavy Media Plant	Transformer Area 1	D-TP29-1	1.5 - 2.5 ft	Combined DRO/GRO	10206.2	RF	100	mg/kg

Notes

(1) RF: MPCA guidance for Regulated Fill (>100 mg/kg combined DRO and GRO)

(2) SRV: MPCA Industrial/ Commercial Chronic Soil Reference Values

(3) Not applicable, sample collected from soil beneath wooden floor

Data Footnotes and Qualifiers

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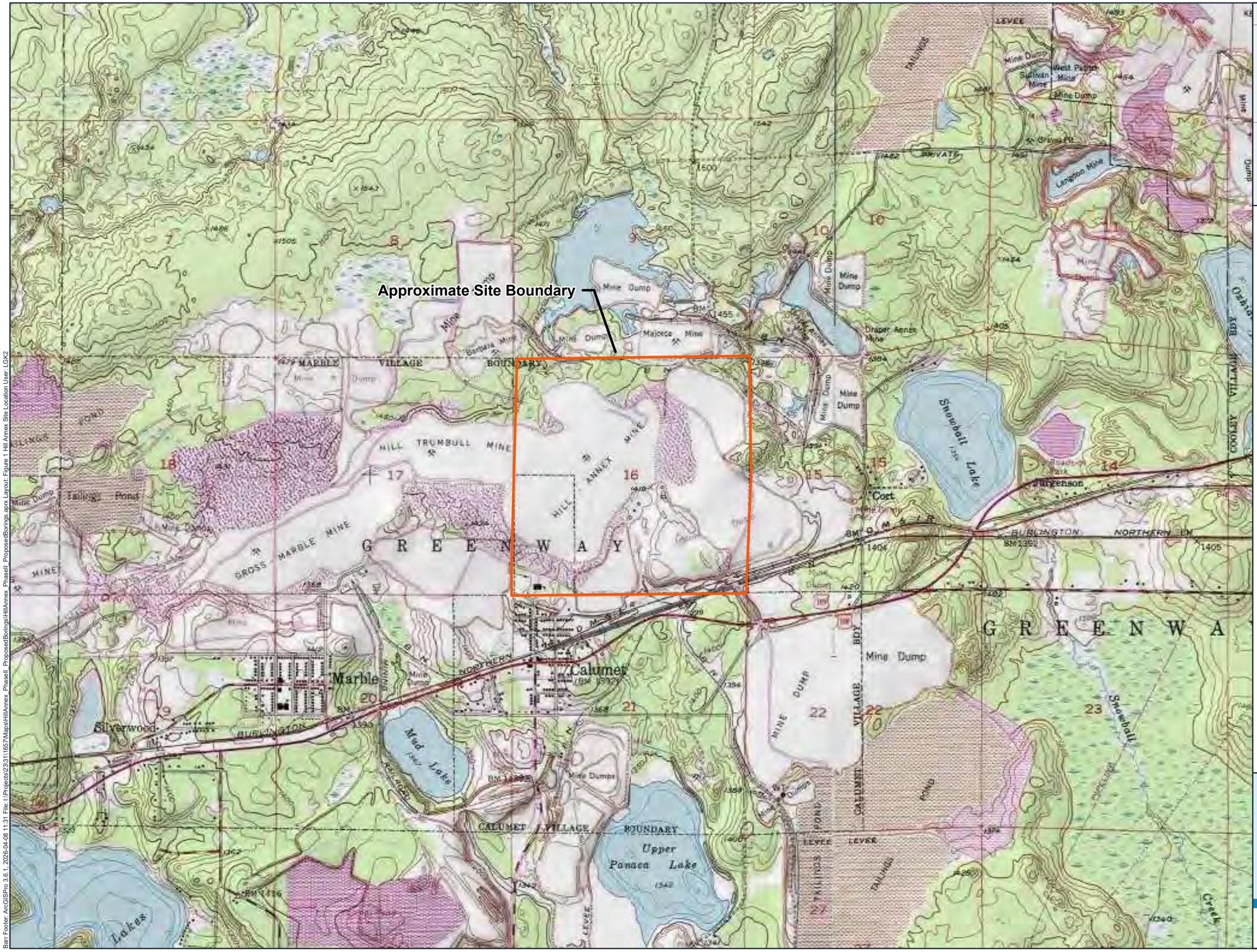
MPCA Industrial/Commercial Chronic Soil Reference Values

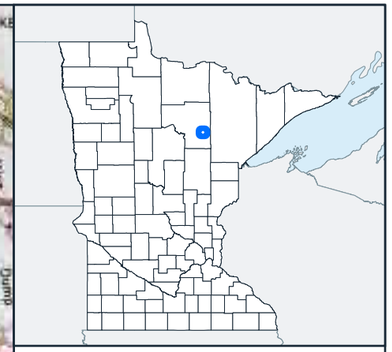
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T	Value represents a criteria for the total carcinogenic PAHs as B(a)P
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Figures





Approximate Site Boundary

N

0 2,000 4,000

Feet

USDA-FSA NAIP, 2025

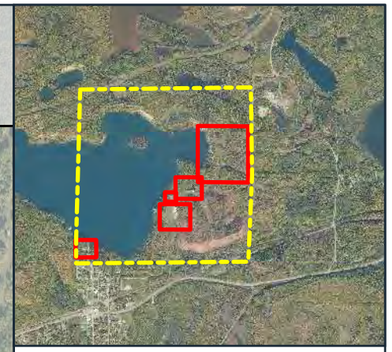
Site Location
Phase II Investigation
Hill Annex Mine
Calumet, MN

FIGURE 1

BARR

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Approximate Site Boundary
Investigation Areas
State of Minnesota Parcels
Other Parcels

0 600 1,200
Feet

USDA-FSA NAIP, 2025

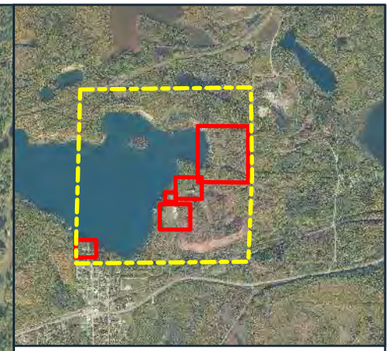
Site Layout and Land Ownership Phase II Investigation
Hill Annex Mine
Calumet, MN

FIGURE 2

BARR

Barr Footer: ArcGISPro 3.6.1 2026-07-30 11:06 File: I:\Projects\23\3311\657\Maps\HillAnnex_PhaseII_ProposedBorings\HillAnnex_PhaseII_ProposedBorings.aprx Layout: Figure 2 Hill Annex Site Layout and Landownership PII User: LGK2





Investigation Areas

Approximate Site Boundary

Minnesota Well Index (MWI) Status

- Active
- Mined Out
- Sealed
- Unknown - Exploration
- Unknown - Scientific Investigation

0 600 1,200

Feet

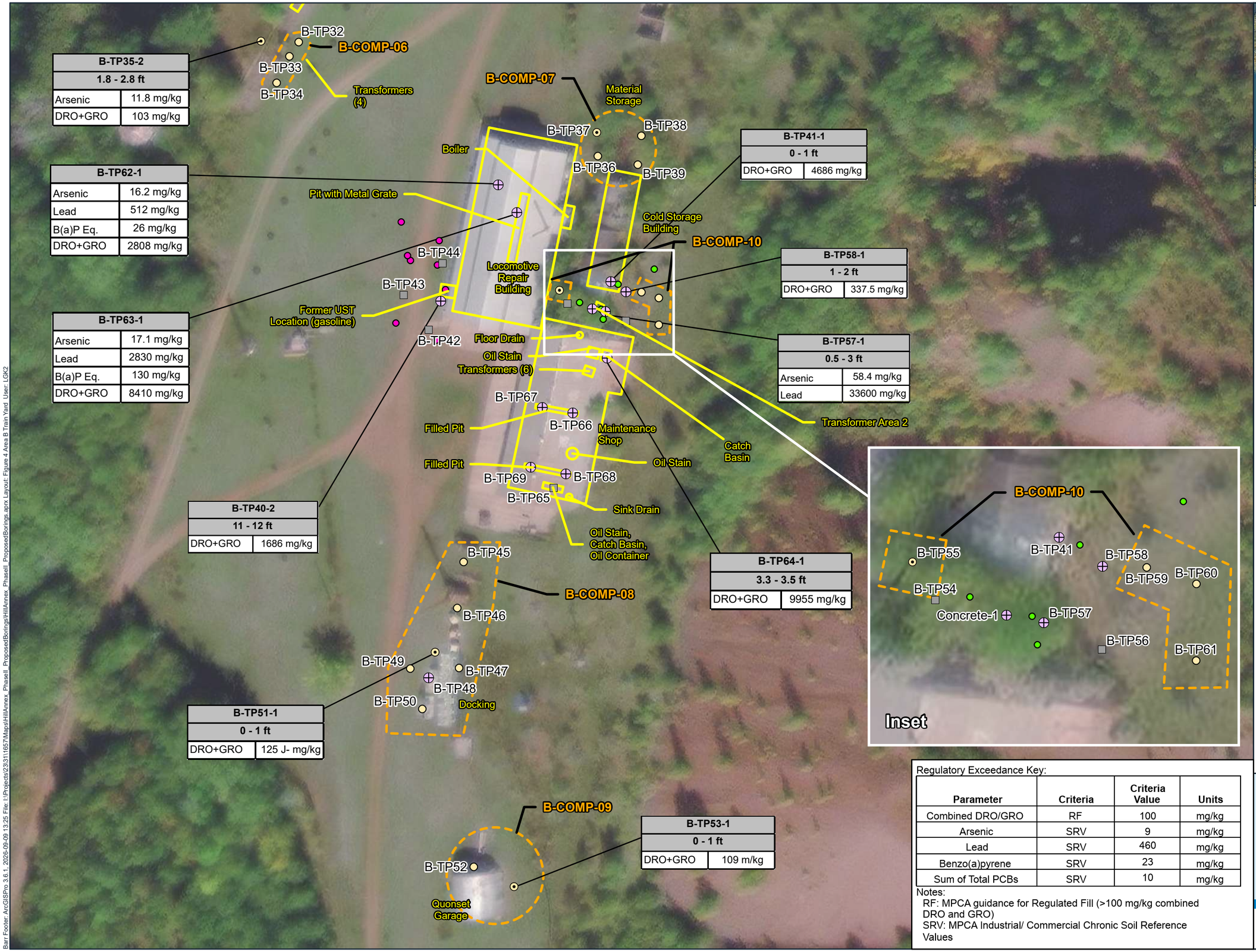
USDA-FSA NAIP, 2025

Minnesota Well Index
Phase II Investigation
Hill Annex Mine
Calumet, MN

FIGURE 3

BARR

Barr Footer: ArcGISPro 3.6.1, 2026-09-09 13:25 File: I:\Projects\23\3111657\Maps\HillAnnex_PhaseII_ProposedBorings\HillAnnex_PhaseII_ProposedBorings.aprx Layout: Figure 3 - Hill Annex MWI User: LGK2



Regulatory Exceedance Key:

Parameter	Criteria	Criteria Value	Units
Combined DRO/GRO	RF	100	mg/kg
Arsenic	SRV	9	mg/kg
Lead	SRV	460	mg/kg
Benzo(a)pyrene	SRV	23	mg/kg
Sum of Total PCBs	SRV	10	mg/kg

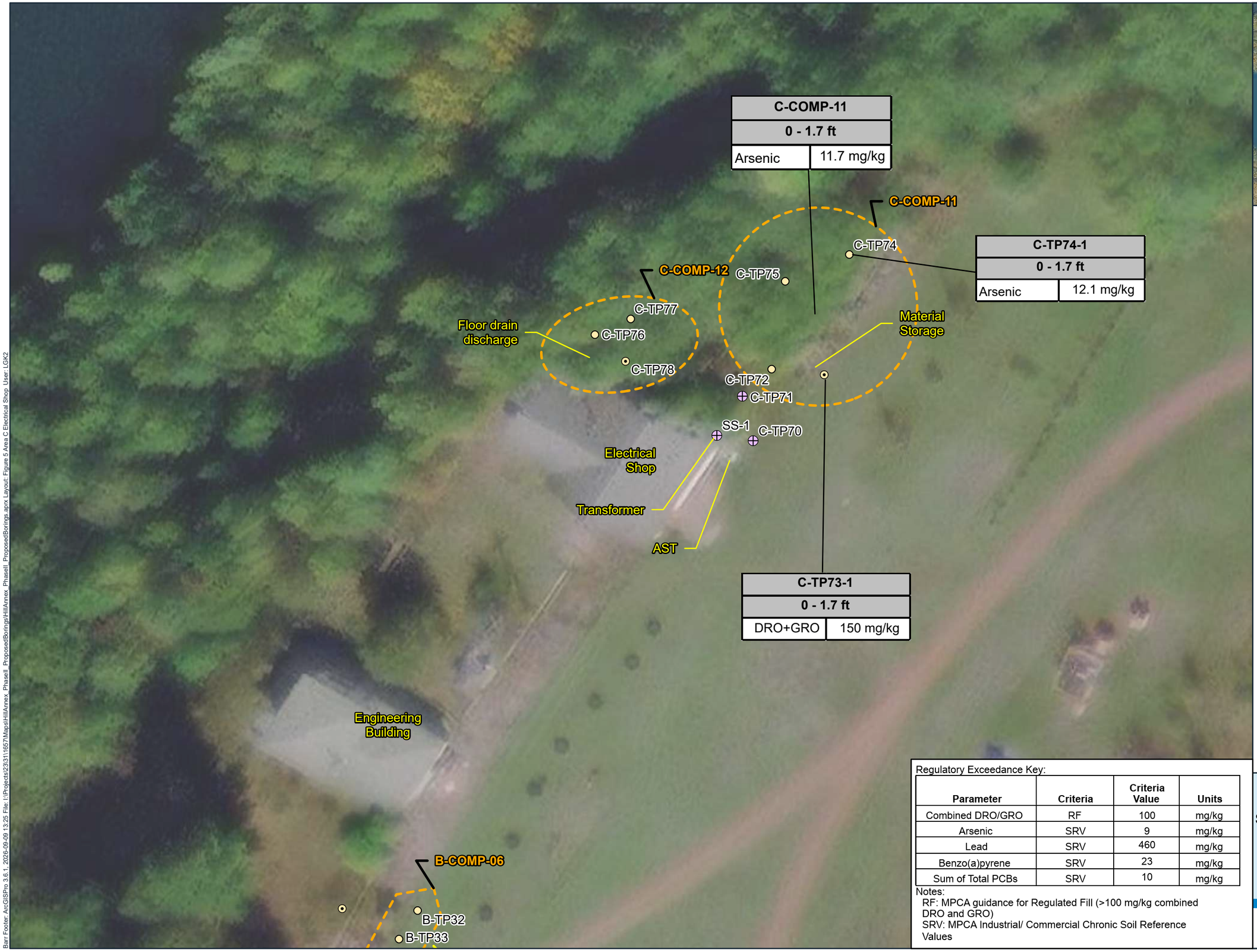
Notes:
RF: MPCA guidance for Regulated Fill (>100 mg/kg combined DRO and GRO)
SRV: MPCA Industrial/ Commercial Chronic Soil Reference Values

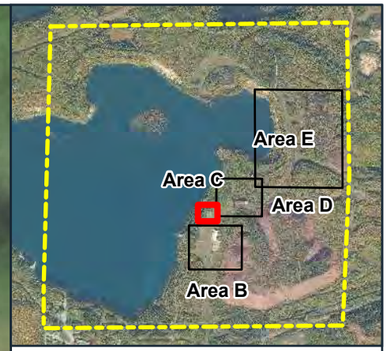
Site Investigation Map
Area B - Train Yard
Site Features, Test Pit Locations, and Soil Analytical Results
Hill Annex Mine
Calumet, MN

FIGURE 4

BARR

Barr Footer: ArcGISPro 3.6.1, 2026-09-09 13:25 File: I:\Projects\23\3111657\Maps\HillAnnex_Phase\I_ProposedBorings\HillAnnex_Phase\I_ProposedBorings.aprx Layout: Figure 4 Area B Train Yard User: LGK2





Composite Sample Area

Sample Type
- Discrete Sample
- Composite Sample
- Composite Sample with Discrete Volatile Analysis
- No Analytical Sample
- N/A

Historical Borings
- ET 2000
- Widseth 1999

Note: Analytical results shown for samples exceeding MPCA Industrial/Commercial SRVs and/or criteria for Regulated Fill.

N

0 40 80
Feet

Regulatory Exceedance Key:

Parameter	Criteria	Criteria Value	Units
Combined DRO/GRO	RF	100	mg/kg
Arsenic	SRV	9	mg/kg
Lead	SRV	460	mg/kg
Benzo(a)pyrene	SRV	23	mg/kg
Sum of Total PCBs	SRV	10	mg/kg

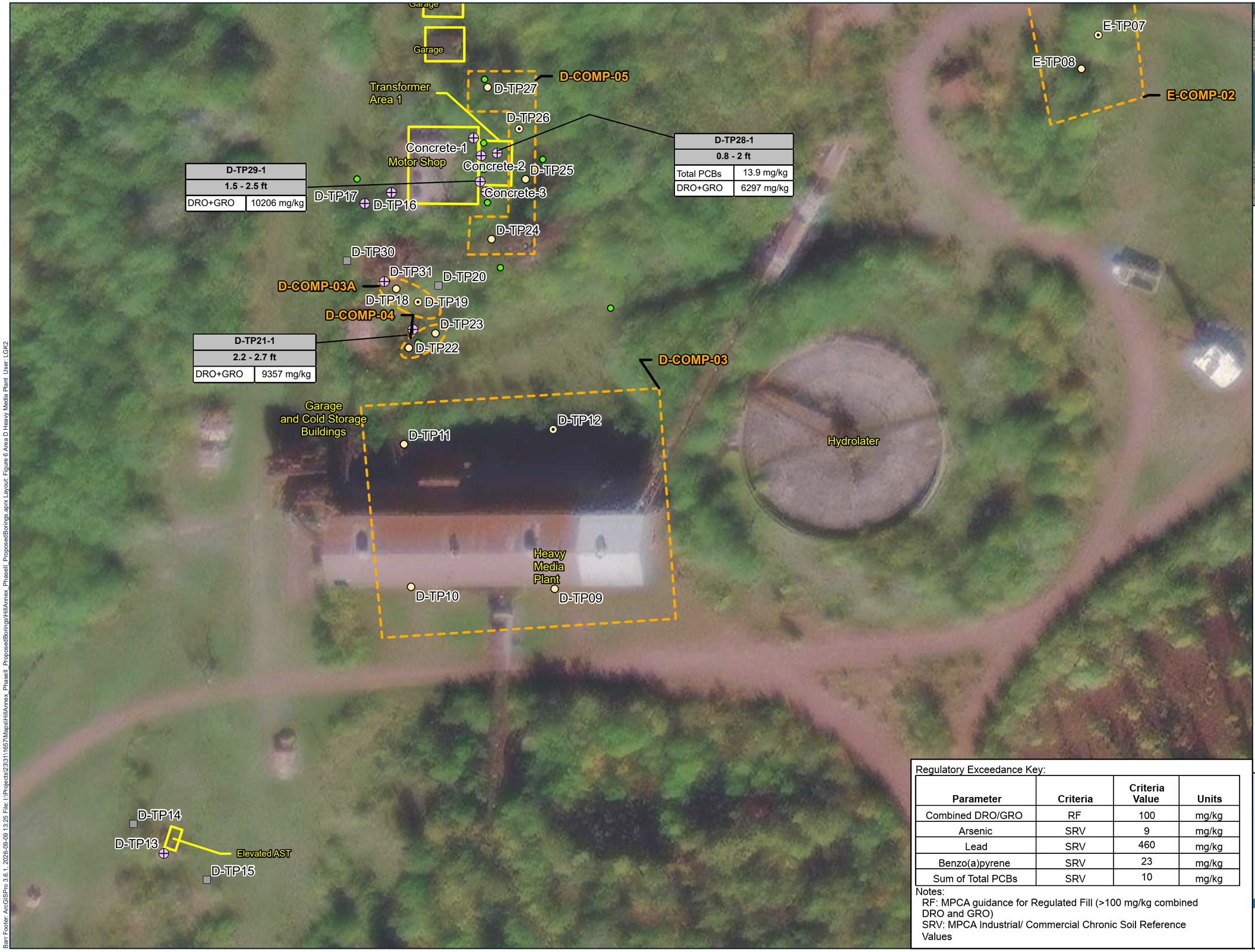
Notes:
RF: MPCA guidance for Regulated Fill (>100 mg/kg combined DRO and GRO)
SRV: MPCA Industrial/ Commercial Chronic Soil Reference Values

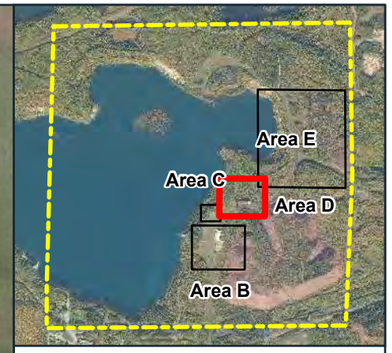
Site Investigation Map
Area C - Electrical Shop
Site Features, Test Pit Locations, and Soil Analytical Results
Hill Annex Mine
Calumet, MN

FIGURE 5

BARR

Barr Footer: ArcGISPro 3.6.1, 2026-09-09 13:25 File: I:\Projects\23311657\Maps\HillAnnex_PhaseII_ProposedBorings\HillAnnex_PhaseII_ProposedBorings.aprx Layout: Figure 5 Area C Electrical Shop User: LGK2





Composite Sample Area

Sample Type
- Discrete Sample
- Composite Sample
- Composite Sample with Discrete Volatile Analysis
- No Analytical Sample
- N/A

Historical Borings
- ET 2000
- Widseth 1999

Note: Analytical results shown for samples exceeding MPCA Industrial/Commercial SRVs and/or criteria for Regulated Fill. D-COMP-03A aliquot collected from 0-1 ft bgs. D-COMP-04 aliquot collected from 2-2.5 ft bgs.

N

0 30 60
Feet

Regulatory Exceedance Key:

Parameter	Criteria	Criteria Value	Units
Combined DRO/GRO	RF	100	mg/kg
Arsenic	SRV	9	mg/kg
Lead	SRV	460	mg/kg
Benzo(a)pyrene	SRV	23	mg/kg
Sum of Total PCBs	SRV	10	mg/kg

Notes:
RF: MPCA guidance for Regulated Fill (>100 mg/kg combined DRO and GRO)
SRV: MPCA Industrial/ Commercial Chronic Soil Reference Values

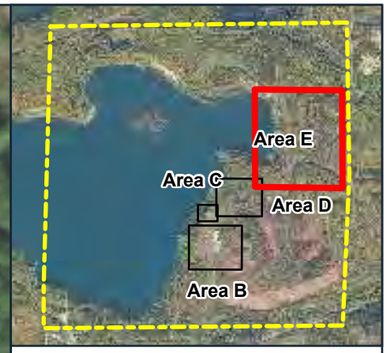
Site Investigation Map
Area D - Heavy Media Plant
Site Features, Test Pit Locations, and Soil Analytical Results
Hill Annex Mine
Calumet, MN

FIGURE 6

BARR

Barr Footer: ArcGISPro 3.6.1, 2026-09-09 13:25 File: I:\Projects\23\3111657\Maps\HillAnnex_PhaseII_ProposedBorings\HillAnnex_PhaseII_ProposedBorings.aprx Layout: Figure 6 Area D Heavy Media Plant User: LGK2





Composite Sample Area

Sample Type

- Discrete Sample
- Composite Sample
- Composite Sample with Discrete Volatile Analysis
- No Analytical Sample
- N/A

Historical Borings

- ET 2000
- Widseth 1999

N

0 200 400
Feet

Site Investigation Map
Area E - Material Storage Areas
Site Features, Test Pit Locations, and Soil Analytical Results
Hill Annex Mine
Calumet, MN

FIGURE 7

BARR

Barr Footer: ArcGISPro 3.6.1 2026-08-04 12:10 File: I:\Projects\23\3111657\Maps\HillAnnex_PhaseII_ProposedBorings\HillAnnex_PhaseII_ProposedBorings.aprx Layout: Figure 7 Area E Material Storage Areas User: LGK2

Appendices

Appendix A

Figure 3A from October 28, 2025 Calumet Reclamation Permit to Mine Application



0 400 800 1200 1600
Feet

Scale 1:12,000
1 inch equals 1,000 feet

Legend

- Culvert
- Surge Pile
- Existing Access Road
- Mesabi Trail
- Feed Conveyor
- Load Out
- Proposed Access Road
- Proposed Pipeline
- Proposed Rail Line
- Reject Conveyor
- Water Line
- Crusher Spread
- Crusher Stockpile
- Final Waste Management Area Footprint
- Infiltration Pond (Pre-Final Design)
- Infiltration Pretreatment Pond (Pre Final Design)
- Jaw Crusher
- Load Out Building
- Plant Area
- Product Stockpile
- Proposed Road Bridge
- Included in Mine Plan
- Mining Area

Calumet Reclamation Infrastructure North of HW 169

Scranton Holding Company
Permit to Mine Application
Itasca County

Figure 3A

Map Center Coordinates *151 4799/5 5242021*

Spatial Reference *NAD 1983 UTM Zone 15N*

Project Number *22292* | **Date Created** *9/5/2025*

Author *K Barry, GIS Analyst, NTS*

Data Source

MN DOT Route Centerlines - State of Minnesota GeoCommons https://gisdata.mn.gov/dataset/transportation-roads

Jay Parcels, Itasca County, Minnesota - State of Minnesota GeoCommons https://gisdata.mn.gov/dataset/boundaries-political-parcels-itasca

2023 Spring Imagery - Itasca County, MN (NAIP) - https://gisdata.mn.gov/dataset/imagery-naip

Disclaimer

Map and/or data are not appropriate for use in determination of property boundaries, in property conveyances, or for any legal purposes; not approriate for navigation; not for use by third parties.

Appendix B

Standard Operating Procedures (SOPs)

Standard Operating Procedure

Collection of Quality Control Samples

Revision 8

April 15, 2021

Approved By:

Andrea Nord		04/15/21
Print Technical Reviewer	Signature	Date

Michael Dupay		04/15/21
Print QA Manager	Signature	Date

Review of the SOP has been performed and the SOP still reflects current practice.

Initials:		Date:	05/22/23
Initials:	KLS3	Date:	11/05/25
Initials:		Date:	
Initials:		Date:	

Collection of Quality Control Samples

1.0 Scope and Applicability

The purpose of this Standard Operating Procedure (SOP) is to describe the procedures used in the collection and handling of field quality control (QC) samples: field blanks, equipment (rinsate) blanks, trip blanks, field (masked) duplicate samples, matrix spikes and matrix spike duplicate samples.

The recommended procedures in this SOP should be followed unless conditions make it impractical or inappropriate to do so. Modifications should be noted in the applicable documentation and communicated to appropriate personnel. Significant changes may result in a revision or newly created SOP.

2.0 Limitations

- The type and frequency of quality control samples can vary by project. If not specified in the project scope of work and/or documentation (e.g., Work Plan, Sampling Analysis Plan (SAP), or Quality Assurance Project Plan (QAPP)), consult with the appropriate regulatory agency for guidance.
- Laboratory analysis specific QC samples (e.g., method blanks, laboratory control samples) are not discussed within this SOP.

3.0 Responsibilities

Experienced Field Technicians are responsible for the accurate collection of QC samples and the laboratory is responsible for the accurate set-up and analysis of QC samples.

Project staff are responsible for ordering sample containers prior to the sampling event.

The role of the Field Safety Representative is to oversee on-site safety activities.

The Project Manager, in conjunction with the client, develops the site-specific scope of work (e.g., Work Plan, Sampling Analysis Plan (SAP), etc.).

4.0 Safety

Barr staff is responsible for conducting the aspects of the job safely. When applicable, refer to the appropriate Project Health and Safety Plan (PHASP) to understand the hazards associated with suspected contamination, symptoms of exposure, methods to minimize exposure, personal protective equipment (PPE), and personal air monitoring required when using this SOP. Minimum protection of one pair of chemical resistant gloves (e.g., nitrile) and safety glasses with side shields should be worn to prevent sample contact with the skin and eyes. When sampling soils contaminated with corrosive materials, emergency eye flushing facilities should be available.

Some of the sample containers may require the use of preservatives. Consult the applicable Safety Data Sheet to review hazards and appropriate PPE to minimize exposure.

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5.0 Equipment, Reagents, and Supplies*

- Laboratory-certified containers appropriate for the required analysis
- Sample containers/media (method specific)
- Chemical resistant gloves (e.g., nitrile)
- Sample labels
- Matrix specific sampling devices and equipment
- Analyte-free water
- Items listed in Section 8.0 Records
- Decontamination supplies (see Decon SOP)

* See Barr's PFAS SOP for a list of prohibited and acceptable items.

6.0 Procedure

This section provides the definitions and sampling procedure(s) for field derived QC samples.

6.1 Calibration

Calibration is not applicable to this SOP.

6.2 Sampling

General considerations to be taken into account when planning and conducting sampling operations are the required sample amount, sample holding times, sample handling, and special precautions for trace contaminant sampling. Matrix-specific sampling SOPs should be followed for the collection and preservation of samples. The QC samples will be handled in the same manner as the sample group for which they are intended (i.e., stored and transported with the sample group).

6.2.1 Blank Samples

Blank samples are used to monitor for potential contamination at a sampling site and may consist of field, equipment, rinsate, and trip blank samples. Each of these measure different potential sources of contamination. When collecting a blank for dissolved parameters, the blank water sample should be filtered before adding it to the sample container.

6.2.1.1 Field Blank

A field blank (FB) is prepared on-site and is a sample of analyte-free water exposed to environmental conditions at the sampling site by either 1) transferring the water from one container to another or 2) by removing the lid and exposing a container filled with analyte-free water to the atmosphere for the time necessary to fill the container(s). It measures the potential for sample cross-contamination due to site conditions.

6.2.1.2 Equipment Blank

An equipment blank (EB) is prepared on-site and is a sample of analyte-free water that has been collected after field decontamination of sampling equipment (e.g., bailer or pump, hand-trowel and bowl) and prior to sampling the next location. It measures the potential for sample cross-contamination due to insufficient decontamination. An equipment blank is not collected from disposable or dedicated equipment.

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Note: Prior to May 2019, the terms 'Equipment Blank' and 'Rinsate Blank' were used interchangeably and carried the same definition. To help better define the blank being collected, the term 'Rinsate Blank' is defined as listed below.

6.2.1.3 Rinsate Blank

A rinsate (or rinse blank, RB) is a sample of analyte-free water that has been collected from the rinsing of sampling equipment. It is used to check that equipment being considered for use at a project site would not introduce the target analyte of concern to the samples being collected. Best practice is to evaluate prior to using the equipment at the project site.

6.2.1.4 Trip Blank

A trip blank (TB) is a sample of analyte-free water prepared or provided by the laboratory along with the sampling containers. Trip blank sample containers are not to be opened in the field and accompany the samples during collection, storage, and transport to the analytical laboratory. It measures the potential for sample cross-contamination due to sample transport and handling.

A trip blank sample is used when sampling volatile parameters (e.g., volatile organic compounds (VOC)/gasoline range organic (GRO)/ total petroleum hydrocarbon (TPH)). Trip blanks may also be used for per- and polyfluorinated alkyl substances (PFAS). Analyte-free water is used for an aqueous trip blank and methanol (or other applicable sample preservative) is used for a soil trip blank. A trip blank should be included for each sample cooler containing VOC (or PFAS, as required) samples and documented on the chain-of-custody (COC) form along with the samples and the required analysis.

6.2.2 Material Check

A material check (MC) is a sample of material (e.g. bentonite, sand) that has been collected to verify that the material being considered for use at a project site will not introduce the target analyte of concern to the samples being collected.

6.2.3 Field (Masked) Duplicate

A field (masked) duplicate is a sample collected at the same time as an original/source sample using the same procedures, equipment, and types of containers. It measures the precision associated with sample homogeneity, collection, preservation, and storage, as well as laboratory procedures.

The field duplicate is collected in a separate container and assigned a different sample identification (e.g., M-1 or FD) than the original/source sample. The date sampled must be included on the sample container label and COC for holding time determination but not the time sampled so that the original/source sample will be blind to the laboratory. Containers designated for a particular analysis (e.g., semi-volatile organic compounds) must be filled sequentially before jars designated for another analysis are filled (e.g., metals). The field duplicate sample is analyzed using the same method as the original/source sample.

6.2.4 Matrix Spike and Matrix Spike Duplicate

Matrix Spikes (MS) and Matrix Spike Duplicate (MSD) samples are two aliquots of a sample to which known quantities of analytes are added (spiked) in the laboratory. The MS and MSD are prepared and analyzed exactly like their original/source sample aliquot. For some analyses, it is required that three separate sample aliquots are collected in the field for each analysis. One aliquot is analyzed to determine

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the concentrations in the original/source sample, a second sample aliquot serves as the MS, and the third sample aliquot serves as the MSD. The purpose of the MS and MSD is to quantify the bias and precision caused by the sample matrix. Additional sample volume for MS/MSD samples may be requested by the laboratory or may be required at a specified frequency as part of the project SAP or QAPP.

6.3 Data Reduction/Calculations

No data reduction or calculations are associated with this procedure.

6.4 Disposal

Waste generated by this process will be disposed of in accordance with Federal, State and Local regulations and Barr's 'Investigative Derived Waste' SOP. Where reasonably feasible, technological changes have been implemented to minimize the potential for environmental pollution.

7.0 Quality Assurance and Quality Control (QA/QC)

The QC activities described below allow the self-verification of the quality and consistency of the work.

7.1 QA/QC Samples

The frequency of QC samples is generally one field blank or equipment blank/field duplicate/MS/MSD per twenty samples; however, specific project requirements may require alternative sampling frequencies.

7.2 Measurement Criteria

Criteria are defined in project specific documentation or in Barr's data evaluation SOPs.

8.0 Records

The field technician will document the type and number of QC samples collected during each sampling event on a COC and in a project dedicated field logbook or on field log data sheets.

Examples of common field documentation are available in Barr's "Compendium of Field Documentation". Field documentation specific to this SOP are listed below:

- Field Log Data Sheet
- COC form
- Sample label
- Custody seal (if applicable)

Field documentation and COC are provided to a Barr Data Management Administrator for storage on the internal Barr network.

Additional records information can be found in Barr's "Records Management System Manual".

Other Barr SOP subjects referenced within this SOP: sample collection, investigative derived waste, decontamination of sampling equipment, and documentation on a COC.

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9.0 References

EPA QA/G-5. 2002. Guidance for Quality Assurance Project Plans.

EPA SW-846. 2014. *Chapter One: Project Quality Assurance and Quality Control.*

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Standard Operating Procedure

Collection of Soil Samples

Revision 11

November 15, 2021

Approved By:

Kevin McGilp		11/15/21
Print Technical Reviewer	Signature	Date

Marta Nelson		11/15/21
Print QA Manager	Signature	Date

Review of the SOP has been performed and the SOP still reflects current practice.

Initials:	KAM	Date:	10/12/23
Initials:	JSP	Date:	02/03/2026
Initials:		Date:	
Initials:		Date:	

Collection of Soil Samples

1.0 Scope and Applicability

The purpose of this Standard Operating Procedure (SOP) is to describe the collection of a representative soil sample using a variety of methods (including compositing of discrete samples) and equipment depending on the depth and type of sample required. This procedure applies to the collection of soil samples for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), general chemistry, and metals analyses.

The recommended procedures in this SOP should be followed unless conditions make it impractical or inappropriate to do so. Modifications should be noted in the applicable documentation and communicated to appropriate personnel. Significant changes may result in a revision or newly created SOP.

2.0 Limitations

- Sample collection methods can vary by project. If not specified in the project scope of work and/or documentation (e.g., Work Plan, Sampling Analysis Plan (SAP), Field Sampling Plan (FSP), or Quality Assurance Project Plan (QAPP)), consult with the appropriate regulatory agency for guidance.
- Inadequate homogenization of the samples, where applicable, can result in non-representative samples and results.
- Decontamination of sampling equipment is required to prevent cross-contamination.
- Contact the local one-call system prior to completing intrusive activities to have public utilities marked/identified at sampling locations. Privately owned underground utilities, if present, typically will not be identified by the one-call system and contracting with a private utility locater may be necessary.
- If sampling for per- and polyfluorinated alkyl substances (PFAS), special consideration must be taken to avoid accidental contamination of environmental samples - see Barr's SOP 'Collection of Per- and Polyfluorinated Alkyl Substances (PFAS) Samples'.

3.0 Responsibilities

The Project Manager, in conjunction with the client, develops the site-specific scope of work (e.g., Work Plan, SAP, etc.).

Experienced Field Technicians are responsible for the proper sample identification, collection of samples, field screening procedures, field equipment and calibration, equipment decontamination, quality control procedures, and documentation.

Equipment Technicians are responsible for maintaining equipment in working order and aiding in troubleshooting equipment issues.

The role of the Field Safety Representative is to oversee on-site safety activities.

Project staff are responsible for ordering sample containers prior to the sampling event.

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4.0 Safety

Barr staff is responsible for conducting the aspects of the job safely. When applicable, refer to the appropriate Safety Plan to understand the hazards associated with suspected contamination, symptoms of exposure, methods to minimize exposure, personal protective equipment (PPE), and personal air monitoring required when using this SOP. Minimum protection of one pair of chemical resistant gloves (e.g., nitrile) and safety glasses with side shields should be worn to prevent sample contact with the skin and eyes. When sampling soils contaminated with corrosive materials, emergency eye flushing facilities should be available.

Some of the sample containers may require the use of preservatives. Consult the applicable Safety Data Sheet to review hazards and appropriate PPE to minimize exposure.

5.0 Equipment, Reagents, and Supplies*

- Sampling devices/tools
- Stainless steel mixing bowl and spoon
- Sample containers (method specific)
- Balance
- Coolers
- Plastic bags
- Chemical resistant gloves (e.g., nitrile)
- Paper towels/laboratory tissues
- Waterproof ink pen or pencil
- Ice
- Items listed in Section 8.0 Records
- Decontamination supplies (see Decontamination SOP)

* See Barr's PFAS SOP for a list of prohibited and acceptable items if samples are expected to be collected for PFAS analysis.

6.0 Procedure

This section describes the procedure(s) for the sampling, handling, and delivery of soil samples to the laboratory.

6.1 Calibration

No specific calibration procedures are required for the actual sampling equipment; however, the calibration of the balance should be verified prior to use. Refer to the applicable Barr SOP.

6.2 Sampling

General considerations that should be taken into account when planning and conducting sampling operations are the required sample weight, sample holding times, sample handling, and special precautions for trace contaminant sampling.

To prevent sample cross-contamination, the soil sampling equipment is carefully cleaned before collecting the initial sample and after working at each subsequent sampling point per Barr's SOP 'Decontamination of Sampling Equipment'. A new, clean pair of disposable gloves will be worn for each sample location and sample containers are placed in separate plastic bags after collecting, preserving, and labeling. Sample collection activities will typically proceed progressively from the least contaminated area to the most contaminated area (when known).

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Depending on the project work to be completed, soil samples will be collected for analysis by either a drilling apparatus (equipped with a split spoon or core barrel sampler), mechanical excavation (e.g. backhoe bucket), hand excavation (e.g. hand auger, trowel, or shovel), or direct-push (e.g. Geoprobe®) technology

- If a drilling apparatus was used, retrieve the split spoon or core barrel sampler from the desired sampling interval and open. If a liner (sleeve) is present and will not be sampled in the field, wrap the ends of the liner with heavy-duty aluminum foil, taking care to not pierce the foil. Tape the foil to the liner with duct tape to seal. Cover the ends of the liner with plastic caps or duct tape to fully protect the foil and package for shipment to the laboratory. If a liner is being sampled in the field, open the liner to sample the soil.
- If hand excavating with a trowel or shovel, dig to the desired sampling interval and expose a fresh soil surface to sample. Collect a large sample on the trowel or shovel and bring it to the surface or collect the sample directly from the fresh soil surface. If hand excavating with a hand auger, advance the hand auger and empty as necessary until the reaching the desired sampling interval. Remove the hand auger from the excavation and empty the sample material into a stainless-steel bowl, or other suitable container, for sample collection.
- If mechanical excavation by backhoe, or similar equipment, is completed, direct the equipment operator the depth to collect a sample. A tape measure or survey rod can be used to verify the sampling depth if safe to do so. Once the sample is retrieved and the equipment operator has placed the backhoe bucket on the ground away from the excavation and shut of the machine's engine, a shovel or trowel can be used to collect a large sample. Soil sample containers can also be filled directly from the soil in the backhoe bucket using a stainless-steel spoon.
- If direct-push (Geoprobe®) technology is used, soils are typically sampled following the subcontractor's soil sampling procedures. This method generally utilizes a direct-push soil boring rig, steel drive rods and a 2-inch outside diameter (O.D.) soil core sampler with a dedicated 1.75-inch inside diameter (I.D) removable acetate plastic sampler liner. The probe rods and sampling unit are driven to the desired sampling depth by the static weight of the carrier vehicle and hydraulic hammer percussion. Two, four, or five-foot sample cores are typically collected. The assembly is brought to the surface and the soil sample is exposed by cutting open the sampler liner.

In most investigations, the soil samples are field screened for moisture, odor, oil sheen, discoloration and the presence of organic soil vapors and classified in general accordance with ASTM D-2488, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). Refer to Barr's SOP 'Field Screening Soil Samples'.

The form 'Soil Sampling Guidelines' lists the analyses (in order of collection) and describes the preservation, container, and holding time for the most common sampling media (information can vary depending on the laboratory used). The container size, type, preservative, and holding time are important considerations in sample collection. Sample and container size must be adequate to meet laboratory requirements for quality control, split samples, or repeat analyses. The container type varies with the analysis required. Typically, the analytical laboratory will preserve the container before shipment, where applicable. Preservation and shelf life vary; contact the laboratory to determine if an on-hand container is still useful.

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Both discrete and composite samples can be used for environmental investigations. A discrete sample is a sample that originated from a specific area at a specific time. The sample may be transferred directly from the sampler or sampling location to the sample container.

A composite sample is a collection of multiple temporary or discrete samples of the same medium that are combined, thoroughly homogenized, and treated as a single sample. Composite samples are valuable in characterizing a large area or volume of soil.

Note: Samples collected for analysis of volatile organic compounds (VOCs) should not be homogenized or composited, due to aeration of the sample during mixing which may result in loss of VOCs.

6.2.1 Volatile Organic Compounds (VOC)

If VOC or similar analyses (e.g., Gasoline Range Organics (GRO), TPH as Gasoline) are being analyzed, these samples should be collected as soon as possible after the soil is removed from the ground from a representative area of the most undisturbed soil possible. Please refer to Barr's SOP 'Field Screening Soil Samples'. It is important to note that there are different containers and sampling media available for collecting a soil sample for VOC. Typically, the VOC sample is collected at a 1:1 weight ratio with a preservative. A coring device, such as a Terra Core® or En Core® sampler, is the first choice for sampling. After VOC samples are collected, mix the remaining soil from the sampling interval (or locations if composite sampling) prior to filling the rest of the sample containers.

Note: Analytical samples should not be collected from polyethylene bags used for field screening purposes.

6.2.1.1 Terra Core® Sampler

The Terra Core® Sampler is a single use device that is typically supplied with a 40 mL VOA (volatile organic analysis) vial containing preservative (e.g., methanol) and an unpreserved container for % moisture/% solids determination. To use the Terra Core®, make certain the plunger is aligned with, and seated in, the handle. Push the Terra Core® into freshly exposed soil until the sample chamber is filled. Depending on the Terra Core® sampler size, a filled chamber will deliver approximately 5 or 10 g of soil. If a 1:1 ratio of soil to preservative is needed, verify the correct size sampler is being used.

Wipe the outside of the sampler, check that the soil plug is flush with the mouth of the sampler, and remove any excess soil. Rotate the plunger 90° until it is aligned with the slots in the body. Extrude the sample into the appropriate container by pushing the plunger down. To provide a good sealing surface, wipe the container lip and screw threads to remove soil and immediately screw on the lid. If preservative is present in the container, swirl to immerse the sample. Record the sample ID on the container and package for shipment to the laboratory.

6.2.1.2 En Core® Sampler

The disposable En Core® sampler is a single use device that is pushed into the soil using a reusable En Core® T-handle. Two, 5 g samplers are typically supplied with an unpreserved container for percent moisture/percent solids determination. Hold the En Core® coring body and push plunger down until the small O-ring rests against the tabs so the plunger moves freely.

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Depress the locking lever on the T-handle. Place coring body plunger end first into the open end of the T-Handle, aligning the slots on the coring body with the locking pins in the T-Handle. Twist coring body clockwise to lock pins in slots. Make certain that the sampler is locked in place.

Turn T-handle with T-up and coring body down. This will position the plunger bottom flush with bottom of coring body. Using T-handle, push sampler into soil until coring body is completely full. When full the small O-ring will be centered in the T-handle viewing hole. Remove excess soil from the coring body exterior.

Cap the coring body while it is still on the T-handle by pushing and twisting the cap over the bottom until grooves on locking arms seat over ridge on coring body. Remove the coring body from the T-handle and lock plunger by rotating extended plunger rod fully counterclockwise until wings rest firmly against tabs.

Attach the accompanying label and package for shipment to the laboratory.

6.2.1.3 Other

If no coring device is available, an estimate of the amount of soil needed to provide the desired weight can be determined. Place an extra laboratory container, disposable weigh boat, paper towel, or laboratory tissue on a balance pan. Using a stainless-steel spoon, add the desired weight (10 g or 25 g) of a representative soil sample on the balance. Once the amount has been established, discard the soil used in the estimation and collect the sample as per form 'Soil Sampling Guidelines' or laboratory instructions.

If allowed by applicable regulations for VOC sample collection, the VOC aliquot may be weighed directly into the sample container by placing the pre-weighed sample container on the balance, taring the balance, then adding the appropriate amount of soil to the container to reach the desired aliquot weight. This should be done quickly to reduce the possible loss of VOCs.

6.2.2 Compositing Discrete Samples

If discrete samples used for compositing require possible future analysis or overnight storage before compositing, the discrete samples are stored at ≤ 6 °C until all discrete samples have been obtained. If discrete samples used for compositing do not require overnight or long-term storage for possible future analysis, equal volumes of soil from each discrete location/depth can be cumulatively added into a stainless-steel mixing bowl, removing any large debris or rocks, and homogenized thoroughly. The total minimum volume of soil obtained during discrete sampling will be dependent on the final analytical requirements for the composite sample and the laboratory requirements.

Record the discrete locations/depths that comprise the final composited sample in the field documentation. Appropriate laboratory containers should be labeled with this final sample identifier and the date of collection.

If overnight storage is required, retrieve the samples selected for compositing from storage. Empty the entire contents of each container into a stainless-steel mixing bowl, removing any large debris or rocks, and homogenize thoroughly.

One container from each discrete sample location can be sent to laboratory or remain in storage in case discrete sample confirmations are necessary.

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6.2.3 SVOC / General Chemistry / Metals

Using either a composited sample or a homogenized, discrete sample, fill the remaining containers in the order listed on form 'Soil Sampling Guidelines'. To reduce potential contamination, samples for PFAS, if required, should be collected first. See Barr's SOP 'Collection of Per- and Polyfluorinated Alkyl Substances (PFAS) Samples'. Typically, the soil is packed into the sample jars leaving no headspace. If allowed by applicable regulations, the WIDRO sample may be weighed directly into the sample container by placing the pre-weighed sample container on the balance, taring the balance, then adding the appropriate amount of soil to the container to reach the desired sample weight (~25 g).

Wipe the container lip and screw threads to remove soil and provide a good sealing surface, and immediately screw on the lid.

6.2.4 Handling

After collection, the samples should be handled as few times as possible. Samplers should use extreme care to ensure that samples are not contaminated. Immediately after samples are collected, they are bubble wrapped or bagged and placed in a cooler containing bagged ice. Samples will be kept cold (≤ 6 °C, but not frozen) until receipt at the laboratory, where they are to be stored in a refrigerated area.

Note: Samples may need to be stored indoors in winter to prevent freezing.

6.2.5 Shipment/Delivery

Once the cooler is packed to prevent breaking of containers, the proper COC documentation is relinquished by the sampler, placed into a plastic bag, and included in the cooler.

Samples will be kept secured to prevent tampering. If sample coolers are left in a vehicle or field office for temporary storage, the area will be locked and secured.

Custody seals may be present, but at a minimum, the coolers must be taped shut to prevent the lid from opening during shipment.

The coolers must be delivered to the laboratory via hand or overnight delivery courier in accordance with Federal, State and Local transportation regulations and Barr's SOP 'Domestic Transport of Samples to the Laboratory'.

6.3 Data Reduction/Calculations

No data reduction or calculations are associated with this procedure.

6.4 Disposal

Waste generated by this process will be disposed of in accordance with Federal, State and Local regulations and Barr's SOP 'Investigative Derived Waste'. Where reasonably feasible, technological changes have been implemented to minimize the potential for environmental pollution.

7.0 Quality Assurance and Quality Control (QA/QC)

The QC activities described below allow the self-verification of the quality and consistency of the work.

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7.1 QA/QC Samples

QA/QC samples are defined in Barr's SOP 'Collection of Quality Control Samples'. The sampling frequency should be performed as written in the project scope of work and/or documentation (e.g., Work Plan, SAP, or QAPP).

7.2 Measurement Criteria

No specific criteria apply to the implementation of this SOP.

8.0 Records

The field technician will document the soil sampling event in a project dedicated field logbook, electronically, or on field log data sheets. The analysis for each container, the number of bottles, and the laboratory used will be documented on the chain-of-custody record. Refer to Barr's SOP 'Documentation on a Chain-of-Custody (COC)' for further information.

Examples of common field documentation are available in Barr's "Compendium of Field Documentation". Field documentation specific to this SOP are listed below:

- COC
- Sample label
- Custody seal (if applicable)
- Field Sampling Report
- Field Log Data Sheet
- Soil Sampling Guidelines (includes sampling order, container, preservation, and holding time)

Field documentation and COC are provided to a Barr Data Management Administrator for storage on the internal Barr network.

Additional records information can be found in Barr's "Records Management System Manual."

Other Barr SOP subjects referenced within this SOP: screening soil samples, balance calibration, collection of QC samples, collection of PFAS samples, decontamination of sampling equipment, investigative derived waste, domestic transport of samples, and documentation on a COC.

9.0 References

ASTM. Currently active standard. *D2488 – Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*.

USEPA Environmental Response Team. 2000. *SOP for Soil Sampling*.

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Standard Operating Procedure

Domestic Transport of Samples to Laboratories within the United States of America – States and Territories

Revision 4

May 22, 2023

Approved By:

Charity Gachne		05/22/23
Print Technical Reviewer	Signature	Date
Anna Schneider		11/06/25
Print QA Manager	Signature	Date

Review of the SOP has been performed and the SOP still reflects current practice.

Initials:	KLS3	Date:	11/06/2025
Initials:		Date:	
Initials:		Date:	
Initials:		Date:	

Standard Operating Procedures for the Domestic Transport of Samples to the Laboratories within the United States of America – States and Territories

Printed Copy is Uncontrolled. Controlled copy is maintained on the internal Barr network. Print a new copy each time a hard copy is required.

1.0 Scope and Applicability

The purpose of this Standard Operating Procedure (SOP) is to describe the procedures necessary for personal delivery or shipment of samples from locations within the United States of America (USA) and its territories to analytical laboratories located within the USA and its territories. This procedure applies to the transportation of ground and surface water, soil, wipe, sediment, paint chip, debris, air samples and their corresponding quality control samples to the appropriate laboratory. This SOP applies to samples that are classified as non-regulated, non-hazardous, or "Dangerous Goods in Excepted Quantities" samples prior to shipment.

Soil samples that are preserved with flammable chemicals (methanol) and unused sample vials containing flammable or corrosive chemical preservatives are examples of materials that are classified as "Dangerous Goods in Excepted Quantities". Materials classified as Dangerous Goods in Excepted Quantities have limitations on the volume/weight of the material allowed in each shipment, and have additional packaging, labeling, and shipping requirements than non-regulated and non-hazardous samples and sampling media.

The recommended procedures in this SOP should be followed unless conditions make it impractical or inappropriate to do so. Modifications should be noted in the applicable documentation and communicated to appropriate personnel. Significant changes may result in a revision or newly created SOP.

2.0 Limitations

- Maintaining proper sample temperatures (<6°C or ambient air temperature in accordance with the analytical method requirements) and delivering samples to the laboratory within 24 to 48 hours from collection are primary concerns.
- This procedure does not apply to the transportation of samples to laboratories outside of the USA and its territories.
- This procedure does not apply to samples that are classified as "hazardous" according to USDOT, PHMSA, and/or RCRA and must be packaged, labeled, and/or transported in accordance with USDOT's hazardous materials regulations (49 CFR Parts 100-180).
- This procedure does not apply to samples that are classified as "dangerous goods" and must follow the International Air Transportation Association's (IATA) dangerous goods regulations (DGR) for packaging, labeling, and/or air transport.

3.0 Responsibilities

The field technician(s) shall ensure the security, temperature, and packaging of environmental samples during transport and shipment. Consult with field equipment staff at equip@barr.com if there are any questions or clarifications needed concerning shipping of environmental samples to the laboratories within the USA.

4.0 Safety

Barr staff is responsible for conducting the aspects of the job safely. When applicable, refer to the appropriate Project Health and Safety Plan (PHASP) to understand the hazards associated with suspected contamination, symptoms of exposure, methods to minimize exposure, personal protective equipment (PPE), and personal air monitoring required when using this SOP. Minimum protection of one pair of chemical resistant gloves (e.g., nitrile) and safety glasses with side shields should be worn to prevent sample contact with the skin and eyes. When samples may be contaminated with corrosive materials, emergency eye flushing facilities should be available.

Some of the sample containers may require the use of chemical preservatives. Consult the applicable Safety Data Sheet to review hazards and appropriate PPE to minimize exposure.

5.0 Equipment, Reagents, and Supplies

- Rigid cooler
- Heavy bag for containing ice and preventing leakage of melted water
- Ice
- Packing tape
- Dangerous Goods in Excepted Quantities Label with the number "8" added indicating the hazard class. This label must be used for coolers containing unused sample containers with corrosive preservative.
- Absorbent padding
- Bubble-wrap/bubble bags (inner packing material)
- Ziploc® baggies
- Shipping Airbill – if shipping via overnight commercial courier service
- Dangerous Goods in Excepted Quantities Label with the number "3" added indicating the hazard class. This label must be used for coolers containing methanol preservative
- Items listed in Section 8.0 Records

6.0 Procedure

6.1 Packaging of non-regulated or non-hazardous samples requiring ambient air temperature per the analytical method of analysis

Sample matrices that do not require thermal preservation (ice) typically include wipe, paint chip, debris, and air samples. These samples may or may not require chemical preservatives depending upon the analytical method of analysis. The classification of "non-regulated" or "non-hazardous" in this context is based upon the nature of the sample prior to chemical preservation/fixation.

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For samples that are stored at ambient air temperature, the samples will be placed in a jar, baggie or shipping carton (i.e. cooler, cardboard box, envelope) and accompanied with the proper COC.

Place the samples in a shipping carton in a manner that will avoid breakage. Fill out the chain-of-custody (COC) completely and include required copies with the samples. Refer to Barr's SOP 'Documentation on a Chain-of-Custody (COC)' for further information.

Once the shipping carton is packed to prevent samples breaking, the COC is signed off and placed in the cooler or box. Adhere two to three strips of packaging tape from top to bottom on the cooler or box.

Custody seals must be adhered over the shipping carton lid or enclosure if project quality assurance plan or sampling and analysis plan require them. The custody seal must be adhered to the crack of the lid on two opposing sides of the cooler or over the flap(s) of the box or envelope to ensure the carton remained shut and the contents have not been tampered with during transit.

6.2 Packaging of non-regulated or non-hazardous samples requiring thermal preservation per the analytical method of analysis

Samples matrices that require thermal preservation (ice) typically include water, soil and sediment samples. Glass containers should be packed in bubble wrap or other cushioning material to avoid breakage.

Note: Bubble-wrap is the preferred packing material.

Line a rigid plastic cooler (i.e. shipping container) with a strong plastic bag. This bag will serve as an outer liner and contain the wet ice, absorbent materials and sample containers.

Place samples and cushioning absorbent material inside the plastic bag and add enough absorbent padding to absorb the sample liquid within the package. Package ice in double-lined Ziploc® bags to ensure sample labels will not be compromised, and the cooler(s) will not leak melt water. Add enough ice to the cooler to maintain a constant temperature at ≤ 6 °C, (but not frozen) until the samples arrive at the laboratory. Zip tie the plastic bag shut.

Before sealing cooler, fill out the COC completely and include required copies with the samples. Refer to Barr's SOP 'Documentation on a Chain-of-Custody (COC)' for further information.

Adhere two to three strips of packaging tape on the cooler from top to bottom, and adhere an additional strip of tape covering the gap between the lid and sides of cooler to seal the cooler to avoid leakage. Custody seals must be adhered on the cooler if project quality assurance plan or sampling and analysis plan require them. The custody seal must be adhered to the crack of the lid on two opposing sides of the cooler to ensure the contents have not been tampered with during transit.

Follow the labelling instructions in Section 6.4 of this SOP.

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6.3 Packaging of samples classified as "Dangerous Goods in Excepted Quantities"

6.3.1 Soil Samples Preserved with Methanol (Flammable) – Hazard Class 3

Soil samples that are preserved with flammable chemicals (methanol) are an example of materials that are classified as hazard class "3" "Dangerous Goods in Excepted Quantities".

Follow the packaging instructions listed in Section 6.2 of this SOP with the following addition: *Methanol sample containers must be placed in a Ziploc® Baggie to meet shipping requirements for preventing leakage.*

Each cooler shall not exceed 500 mL of methanol (50 vials, 10 mL of methanol per vial) and each vial shall not have more than 10 mL of methanol to meet the requirements of a Dangerous Goods in Excepted Quantities. A label with the hazard class number "3" indicates the cooler contains flammable (or reactive/oxidizer) materials (in this case a flammable methanol sample preservative). Additional labeling instructions are found in Section 6.4.2 of this SOP.

6.3.2 Unused Sample Jars – Hazard Class 3 (Flammable) and Hazard Class 8 (Corrosive) Chemicals

Unused sample vials containing flammable or corrosive chemical preservatives are examples of materials that are classified as "Dangerous Goods in Excepted Quantities".

Follow the packaging instructions listed in Section 6.2 of this SOP with the following additions:

Each chemical, may have a limitation as to the volume or weight of the chemical and the number of inner containers (sample containers) allowed within each outer shipping container (cooler) to meet the requirements of a Dangerous Goods in Excepted Quantities. A label with the hazard class number "3" indicates the cooler contains flammable (or reactive/oxidizer) materials (in this case a flammable methanol sample preservative). A label with the hazard class number "8" indicates the cooler contains a corrosive material (in this case an acid or base sample preservative). Additional labeling instructions are found in Section 6.4.2 of this SOP.

6.4 Labeling of Outer Shipping Container or Carton

6.4.1 Shipping Label

Attach the shipping address label to the top of the cooler or to the cooler handle tag. Attach a second label with the same information should also be attached with packaging tape to the cooler in event that the original label is damaged or destroyed during sample shipment.

Directional arrow labels (Figure 1) must also be attached to the outside of the cooler according to the hazardous materials shipping regulations. Directional arrow labels indicate the upright position during sample shipment.

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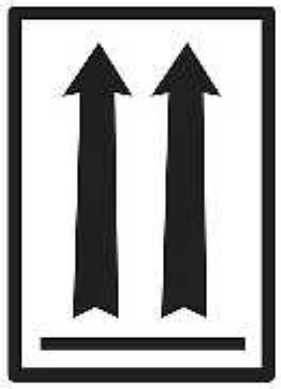


Figure 1 - Directional Arrows Label

6.4.2 Dangerous Goods in Excepted Quantities Label

When shipping materials classified as Dangerous Goods in Excepted Quantities, the cooler must have a Dangerous Goods in Excepted Quantities Label (Figure 2). This label is placed on two opposing sides of the cooler. The label indicates the hazard class number and the name and address of the shipper or consignee. In cases where the package contents have more than one hazard class assigned, the primary (most hazardous) hazard class is listed on the label. Table 1 includes a Summary of United Nations Hazard Classes.



Figure 2 - Dangerous Goods in Excepted Quantities Label

Footnotes:

(1) The "*" must be replaced by the primary hazard class, or when assigned, the division of each of the hazardous materials contained in the package.

(2) The "**" must be replaced by the name of the shipper or consignee if not shown elsewhere on the package.

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Table 1 – Summary of United Nations Hazard Classes

Class 1	Explosives
Class 2	Gases
Class 3	Flammable Liquids
Class 4	Flammable Solids; Substances Liable to Spontaneous Combustion; Substances Which, in Contact with Water, Emit Flammable Gases (e.g., soil sample contaminated with high concentrations of gasoline released from an underground storage tank)
Class 5	Oxidizing Substances and Organic Peroxide
Class 6	Toxic and Infectious Substances (e.g., samples of refuse collected from a solid waste landfill)
Class 7	Radioactive Material
Class 8	Corrosives (e.g., nitric acid used for preservation of some groundwater samples) (see Note)
Class 9	Miscellaneous Dangerous Goods

6.4.2.1 Dangerous Goods Air Waybill Statement and Shippers Declaration

A shipping paper (i.e. bill of lading) is not required when offering the cooler for air transport via a commercial courier service (e.g. Federal Express or United Parcel Service).

A document such as an air waybill accompanies a shipment that is transported by aircraft. The air waybill must include the statement "Dangerous Goods in Excepted Quantities" and indicate the number of packages associated with each air waybill. This phrase is typically written behind the Barr project number in the PO or comments section on the air waybill.

A shipper's declaration for dangerous goods is also required. Some air waybills also have a box you must also check off that says "Dangerous Goods no Shipper's Declaration Required".

6.5 Transport/Delivery Options

Account for the samples before shipping and compare to the COC. Refer to Barr's SOP 'Documentation on a Chain-of-Custody (COC) for further information. Ship samples during times when the laboratory will be able to accept and quickly analyze them. Whenever possible, select mode of transport/delivery to ensure delivery to the laboratory will occur with ample holding time remaining for the specified analytical methods required for the samples. Avoid sending samples during holidays and weekends. All Federal, State and Local shipping regulations must be met.

Personal Delivery. The samples are delivered to the laboratory by the field technician(s). The COC is signed and dated by the laboratory representative.

Ground Transport. The same procedures are followed as above; i.e., the COC is signed and dated and the top copy is sent with the samples. The cooler or box is then secured with packaging tape and a courier form is filled out for the designated laboratory. The cooler or box is then left in the services area for pickup via ground transport and delivery.

Air Transport. Follow the procedures above, replacing the courier form with the overnight courier air bill via Federal Express or United Parcel Service, for example. Include the date, project number, type of

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delivery service desired, parcel weight, number of coolers or boxes on the air bill. Also include the phrase "Dangerous Goods in Excepted Quantities", when applicable.

7.0 Quality Assurance and Quality Control (QA/QC)

Not Applicable.

8.0 Records

Examples of common field documentation are available in Barr's "Compendium of Field Documentation".

Field documentation specific to this SOP are listed below:

- Chain-of-custody (COC)
- Custody seal (if applicable)
- Dangerous Goods in Excepted Quantities Label
- Directional Arrow Label

COCs are provided to a Barr Data Management Administrator for storage on the internal Barr network.

Additional records information can be found in Barr's "Records Management System Manual".

Other Barr SOP subjects referenced within this SOP: documentation on a COC.

9.0 References

49 CFR Part 173.4a – Excepted Quantities October 1, 2011 Online
https://www.govinfo.gov/app/details/CFR-2011-title49-vol2/CFR-2011-title49-vol2-sec173-4

ASTM International. 2015. *ASTM Method D6911 – 15 Standard Guide for Packaging and Shipping Environmental Samples for Laboratory Analysis*[1]. ASTM January 15, 2015. [Withdrawn July 2024]

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Standard Operating Procedure

Field Screening Soil Samples

Revision 10

January 27th, 2026

Approved By:

Jes Pedersen		01/27/26
Print Technical Reviewer	Signature	Date

Anna Schneider		01/27/26
Print QA Manager	Signature	Date

Review of the SOP has been performed and the SOP still reflects current practice.

Initials: _____ Date: _____

Initials: _____ Date: _____

Initials: _____ Date: _____

Initials: _____ Date: _____

Field Screening of Soil Samples

1.0 Scope and Applicability

The purpose of this Standard Operating Procedure (SOP) is to describe the procedure for properly screening soil or sediment samples in the field. This procedure applies to field technicians responsible for field screening soil or sediment samples.

The recommended procedures in this SOP should be followed unless conditions make it impractical or inappropriate to do so. Modifications should be noted in the applicable documentation and communicated to appropriate personnel. Significant changes may result in a revision or newly created SOP.

2.0 Limitations

- Screening techniques can vary by project. If not specified in the project scope of work and/or documentation (e.g., Work Plan, Sampling Analysis Plan (SAP), or Quality Assurance Project Plan (QAPP)), consult with the appropriate regulatory agency for guidance, if applicable.
- Interferences on the test can be caused by any contaminant that can cause an oil sheen on water. The samples will be carefully observed for characteristic appearance or odors which may indicate a possible contaminant other than coal tar or petroleum substances.
- Sunlight and low temperatures may interfere with headspace development.
- Water and soil particles may interfere with PID and FID measurements.
- Decontamination of screening equipment is required to prevent cross-contamination.

3.0 Responsibilities

The Project Manager, in conjunction with the client, develops the site specific scope of work (e.g., Work Plan, SAP, etc.).

Experienced Field Technicians are responsible for the proper sample identification, field screening procedures, field equipment and calibration, equipment decontamination, quality control procedures, and documentation.

Equipment Technicians are responsible for maintaining equipment in working order and aiding in troubleshooting equipment issues.

The role of the Field Safety Representative is to oversee on-site safety activities.

4.0 Safety

Barr staff is responsible for conducting the aspects of the job safely. When applicable, refer to the appropriate Safety Plan to understand the hazards associated with suspected contamination, symptoms of exposure, methods to minimize exposure, personal protective equipment (PPE), and personal air monitoring required when using this SOP. Minimum protection of one pair of chemical resistant gloves (e.g., nitrile) and safety glasses with side shields should be worn to prevent sample contact with the skin and eyes. When screening soils contaminated with corrosive materials, emergency eye flushing facilities should be available.

Consult the applicable Safety Data Sheet to review hazards and appropriate PPE to minimize exposure.

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5.0 Equipment, Reagents, and Supplies

- Photoionization detector (PID)
- Flame ionization detector (FID)
- Squirt bottle with tap water
- Waterproof ink pen or pencil
- Polyethylene bags
- Chemical resistant gloves (e.g., nitrile)
- Stainless steel spoon
- Items listed in Section 8.0 Records
- Decontamination supplies (see Barr's SOP 'Decontamination of Sampling Equipment')

6.0 Procedure

The field screening techniques for soils are as follows: visual examination, odor, headspace organic vapor screening, and oil sheen. The results of these four screening procedures may be used to screen soil samples for possible contamination.

6.1 Calibration

The PID or FID shall be calibrated or checked against a known concentration of a calibration gas standard prior to collection of field measurements. Calibration of the PID or FID shall follow the recommended procedures as described in the manufacturer's operation manual or as per the applicable Barr SOP.

Regular calibration checks (bump tests) are expected to be performed by the field technician a minimum of once per day of use in the field. It is recommended that bump tests be conducted around mid-day and at the end of the day. More frequent bump testing may be completed if warranted by field conditions. The bump testing results should be recorded in the field log book or field log data sheets.

If problems occur during calibration, during bump tests, or if the unit will not stay calibrated, the field technician should document the issue in the field notes then contact the equipment technician or project manager for assistance.

6.2 Screening Techniques

The field screening techniques for soils are as follows: visual examination, odor, headspace organic vapor screening, and oil sheen. The results of these four screening procedures may be used to screen soil samples for possible contamination. To prevent sample cross-contamination, the screening equipment is carefully cleaned before and after working with each sample per Barr's SOP 'Decontamination of Sampling Equipment'. The test results, sample location, and observations of the sample's appearance and odor are recorded in the log book or field log data sheet.

6.2.1 Visual Examination

A visual examination of the soil sample will include noting any discoloration of the soil or visible oiliness or tar.

6.2.2 Odor

The field technician will note odor only if noticed incidentally while handling the soil sample. Field technicians will not unduly expose themselves to sample odors. Odor will be described as trace, light, moderate, or strong, and appropriate description of the type of odor, if evident.

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6.2.3 Headspace Organic Vapor Screening

The polyethylene bag headspace method recommended by the Minnesota Pollution Control Agency will be used in the field to screen soils suspected to contain volatile organic compounds. The screening method is intended to be used in conjunction with other "real time" observations.

The following equipment is required to conduct headspace organic vapor screening: PID or FID, polyethylene bag, log book or record sheet, and appropriate PPE. Soil samples collected from a split-barrel sampler or a direct-push (i.e., Geoprobe) sample liner will be collected immediately after opening the barrel or liner. If the sample is collected from an excavation wall, soil pile, or backhoe bucket, it will be collected from a freshly exposed surface.

- Half-fill the bag with the sample to be analyzed using a stainless-steel spoon or a gloved hand and immediately seal it. Agitate the bag for 15 seconds and manually break up any soil clumps within the bag.
- Allow headspace development for approximately 10 minutes. The sample should be kept in a shaded area out of direct sunlight. Ambient temperatures during headspace development should be recorded. When ambient temperatures are below 50°F, headspace development should be conducted inside a heated vehicle or building. Complete headspace screening within approximately 20 minutes of sample collection. After completing the headspace development, agitate the bag for an additional 15 seconds.
- Quickly puncture the bag with the sampling probe of the PID or FID at a point about one-half of the headspace depth. Exercise care to avoid uptake of water droplets or soil particles.
- Record the highest PID or FID meter response as the headspace concentration. The maximum response will likely occur between 0 to 2 seconds.
- When using an FID, it may be necessary to correct for methane. In this case, take a reading first with the carbon filter, then without. This will require two duplicate bag samples. The second reading less the first is the headspace adjusted for methane. Adjusted readings less than zero are considered zero. Methane correction is not necessary if a PID is used.

6.2.4 Oil Sheen Test

The oil sheen or hydrocarbon test is a method used to immediately determine the approximate magnitude of coal tar or petroleum contamination in soil by observation of the sample in the field. The test is useful in soils which do not have a high binding capacity with petroleum compounds or polycyclic aromatic hydrocarbons (PAHs) (i.e., petroleum compounds or PAHs are free on the surface of the soil particles and can be released by a stream of water).

The equipment required to conduct the oil sheen test includes: a stainless-steel spoon, a squirt bottle filled with tap water, a log book or field log data sheet, and the appropriate personal protective equipment necessary for collection and handling of soil samples as described in the Safety Plan.

The procedure for conducting the oil sheen test consists of obtaining approximately 50 grams (about 30 cc) of representative soil with the spoon and then directing a stream of water onto the soil in the spoon with the squirt bottle until the soil is saturated and water begins to collect around the soil. The amount of oil sheen present on the water is determined by observation and the results of the test are reported as a magnitude of oil sheen observed: none, trace, light, moderate, heavy or rainbow.

The specific soil types at the area of investigation should be accounted for when performing the oil sheen test. The best results are obtained in silts, sands, and/or gravels with low organic content. The results

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obtained from clay soils may appear deceptively low. Typical descriptions of each test result are provided in the table below.

Oil Sheen Test Result	Description
None	No sheen detected.
Trace	Possible or faint oil sheen observed (may not continue to generate sheen as additional water is added).
Light	Obvious sheen that may not cover entire water surface
Moderate	Definite oil sheen that covers entire surface, but "rainbow colors" not distinguishable.
Heavy	Definite oil film or product that does not display rainbow colors.
Rainbow	Definite oil sheen, film or product that displays rainbow colors.

6.3 Data Reduction/Calculations

No data reduction or calculations are associated with this procedure.

6.4 Disposal

Waste generated by this process will be disposed of in accordance with Federal, State and Local regulations and Barr's SOP 'Investigative Derived Waste'. Where reasonably feasible, technological changes have been implemented to minimize the potential for environmental pollution.

7.0 Quality Assurance and Quality Control (QA/QC)

Field background readings are measured for the headspace organic vapor screening. PID and FID readings should be duplicated every 20 field samples.

8.0 Records

The field technician(s) will document the field screening activities and measurements in a project dedicated field logbook, boring log, or field data sheet, as appropriate. Examples of common field documentation are available in Barr's "Compendium of Field Documentation" such as:

- Site Investigation Field Sampling and Screening Form
- Soil/Sediment Core Boring Log

Field documentation are provided to a Barr Data Management Administrator for storage on the internal Barr network.

Additional records information can be found in Barr's "Records Management System Manual."

Other Barr SOP subjects referenced within this SOP: PID and FID equipment, decontamination of sampling equipment and investigative derived waste.

9.0 References

PID and FID operation manuals.

Minnesota Pollution Control Agency, Petroleum Remediation Program. May 2024. *Guidance Document c-prp4-04, Soil sample collection and analysis procedures.*

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Attachment 1

Revision Summary

Section	Revision Made	Reason for Revision
2.0	Removed information about contacting local one call system	Not all soil screening is intrusive, and one call system information is more applicable to other SOPs such as well installation, vapor points, etc.
4.0 and 6.2.4	Updated references to the "Project Health and Safety Plan" to be the "Safety Plan"	Updated to align with current Barr nomenclature
6.2	Moved information on recording field notes from 6.2.4 to 6.2	Field notes are applicable to all subsections under 6.2, not just 6.2.4
6.2.3	Noted that headspace screening should be completed within approximately 20 minutes of sample collection	Updated to align SOP with newly available MPCA guidance
6.2.3	Noted maximum PID or FID response should occur in first 1-2 seconds	Updated to align SOP with newly available MPCA guidance
8.0	Updated examples of field documentation	Updated to align with current Barr nomenclature
9.0	Added MPCA Guidance Document c-prp4-04	Added reference to align SOP with newly available guidance
Attachments	Updated Attachment 1 to reflect revision summary format specific to most recent document changes	Consistency in revision summary documentation

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Standard Operating Procedure

Decontamination of Sampling Equipment

Revision 4

December 12, 2025

Approved By:

Alec Gierzynski		12/12/2025
Print	Signature	Date

Technical Reviewer

Anna Schneider		12/12/2025
Print	Signature	Date

QA Manager

Review of the SOP has been performed and the SOP still reflects current practice.

Initials: _____ Date: _____

Initials: _____ Date: _____

Initials: _____ Date: _____

Initials: _____ Date: _____

Decontamination of Sampling Equipment

1.0 Scope and Applicability

The purpose of this Standard Operating Procedure (SOP) is to define the process used for decontaminating environmental sampling-related equipment including pumps, meters, and materials coming into contact with actual sampling equipment or with sampling personnel. This procedure is applicable to all personnel who are collecting samples and/or decontaminating sampling and field equipment.

The recommended procedures in this SOP should be followed unless conditions make it impractical or inappropriate to do so. Modifications should be noted in the applicable documentation and communicated to appropriate personnel. Significant changes may result in a revision or newly created SOP.

2.0 Limitations

- Procedures can vary by project as noted within the project scope of work and/or documentation (e.g., Work Plan, Sampling Analysis Plan (SAP), or Quality Assurance Project Plan (QAPP)).
- Single-use equipment such as bailers, protective gear, and filtration devices are not part of this SOP.

3.0 Responsibilities

The equipment technician is responsible for ensuring field equipment has been thoroughly decontaminated and prepared for use out in the field. The field technician(s) are responsible for decontamination in the field at each individual sampling point and for ensuring adherence to any investigative derived waste (IDW) project-specific requirements set forth in a QAPP or SAP (if applicable).

The role of the Field Safety Representative is to oversee on-site safety activities.

4.0 Safety

Barr staff is responsible for implementing aspects of the job safely. Where available, refer to the appropriate Project Health and Safety Plan (PHASP) to determine the proper personal protection equipment (PPE) required when using this SOP. Barr staff is responsible for conducting all aspects of the job safely. When applicable, refer to the appropriate Project Health and Safety Plan (PHASP) to understand the hazards associated with suspected contamination, symptoms of exposure, methods to minimize exposure, personal protection equipment (PPE), and personal air monitoring required when using this SOP. Minimum protection of one pair of chemical resistant gloves (e.g., nitrile) and safety glasses with side shields should be worn to prevent sample contact with the skin and eyes. When sampling soils contaminated with corrosive materials, emergency eye flushing facilities should be available.

Some of the sample containers may require the use of preservatives. Consult the applicable Safety Data Sheet to review hazards and appropriate PPE to minimize exposure.

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5.0 Equipment, Reagents, and Supplies

- Non-phosphorus detergent (e.g., Liquinox™)
- Scrub brush made of inert materials
- Oven
- Bucket
- Tap water
- Analyte-free water (e.g., distilled or deionized (DI) water, or equivalent)
- Kimwipes®, or equivalent
- Chemical resistant gloves (e.g., nitrile)
- Spray bottle
- Organic solvent (e.g. methanol)

6.0 Procedure

This section describes the procedure(s) for the decontamination of equipment used to sample water, soil, or air.

6.1 Calibration

Calibration is not applicable to this SOP.

6.2 Operation

Decontamination of sampling equipment will be performed before sampling and after working at each sampling point, if applicable. Due to the sensitive nature of PFAS sites and high risk of cross contamination, special considerations may be required for decontamination procedures and should be detailed in the project scope of work and/or documentation (e.g., Work Plan, Sampling Analysis Plan (SAP), or Quality Assurance Project Plan (QAPP)).

6.2.1 Water Sampling Equipment

Equipment that does not contact sample water or the inside of the well should be rinsed with analyte-free water and inspected for remaining particles or surface film. If these are noted, repeat cleaning and rinse procedures.

Equipment that contacts sample water or the inside of the well should be cleaned (inside and outside where possible) with a non-phosphorus detergent solution applied with a spray bottle and/or scrub brush (if needed). Rinse with analyte-free water and containerize with other IDW if required by the SAP or QAPP and inspect for remaining particles or surface film. If these are noted, repeat cleaning and rinse procedures. Shake off remaining water and allow to air dry.

The internal surfaces of pumps and tubing that cannot be adequately cleaned by the above methods alone will also be cleaned by first circulating a non-phosphorus detergent solution through them followed by circulating analyte-free water. Special care will be exercised to ensure that the "rinse" fluids will be circulated in sufficient quantities to completely flush out contaminants and detergents. At a minimum, three volume equivalences of each rinse fluid will be circulated through the internal surfaces of pumps and tubing.

When transporting or storing equipment after cleaning, the equipment will be stored in a manner that minimizes the potential for contamination.

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6.2.2 Soil/Sediment Sampling Equipment

A variety of samplers (split-barrel, split-barrel with brass liners, piston sampler, backhoe, hand-auger, or shovel) may be used to retrieve soil from sampling locations. The soil sample will either be sealed within the sampler (e.g., collecting volatile samples) or the soil sample will be transferred to laboratory-supplied containers depending on the analysis to be conducted on the soil sample. The equipment required to transfer the soil from the sampler to the laboratory-supplied sample containers includes: stainless-steel spoons or scoops, stainless-steel bowls, and the appropriate personal protective equipment necessary for collection and handling of soil samples as described in the PHASP.

All soil sampling equipment, including split-barrels, stainless-steel spoons and scoops, and stainless-steel bowls, will be carefully cleaned before and during sampling with a tap water and non-phosphorus detergent solution, using a brush if necessary to remove particulate matter and films. The equipment is then rinsed three times with tap water and/or three times with analyte-free water. Inspect equipment and repeat procedure if any residual soil or visible contaminants are present. Dry sampler with a Kimwipes®. Organic solvents (e.g., methanol) may be used to aid with desorbing organic material but should be kept to a minimum and must be collected and containerized if used.

At the completion of the work day, the samplers should be decontaminated following the procedure above and stored in a manner that minimizes the potential for contamination.

6.2.3 Air Sampling Equipment

For non-laboratory manifold equipment, soak manifold components in methanol for a minimum of two hours. Remove from the methanol bath and place in an oven pre-heated to 90°C and continue to heat manifold components for at least 3 hours or until interior and exterior surface inspections of the manifold components indicate that they are free of liquid methanol.

For manual post-run tubing (PRT) air sampling, Geoprobe rods and attachments should be cleaned after sampling with a tap water and non-phosphorus detergent solution, using a brush if necessary to remove particulate matter and films. The equipment is then rinsed three times with tap water and/or analyte-free water, then dried with Kimwipes® or paper towels. At the completion of the workday, the equipment should be decontaminated according to the procedure above and stored in a manner that minimizes the potential for contamination.

6.2.4 Handling

All equipment will be handled in a manner that minimizes cross-contamination between points. After cleaning, the equipment will be visibly inspected to detect any residues or other substances that may exist after normal cleaning. If inspection reveals that decontamination was insufficient, the decontamination procedures will be repeated.

6.3 Data Reduction/Calculations

No data reduction or calculations are associated with this procedure.

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6.4 Disposal

IDW generated by this process will be disposed of in accordance with Federal, State and Local regulations and/or as required by project-specific SAP or Work Plan. Where reasonably feasible, technological changes have been implemented to minimize the potential for environmental pollution.

7.0 Quality Assurance and Quality Control (QA/QC)

The QC activities described below allow the self-verification of the quality and consistency of the work.

7.1 QA/QC Samples

Decontamination procedures may be monitored through the use of an equipment blank which consists of analyte-free water processed through non-disposable or non-dedicated aqueous or solid sampling equipment after equipment decontamination and before field sample collection. The equipment blank is analyzed for the same parameters as the samples at a project-specific frequency (e.g., one per twenty samples).

7.2 Measurement Criteria

Equipment blank results should be below the laboratory's method detection limit or reporting limit (depending on the data quality objectives).

8.0 Records

When required, the field technician(s) will document the field equipment decontamination procedures in a project dedicated field logbook or on field log data sheets.

Examples of common field documentation are available in Barr's "Compendium of Field Documentation". Field documentation is listed in the applicable sample collection SOP.

Field documentation and COC are provided to a Barr Data Management Administrator for storage on the internal Barr network.

Additional records information can be found in Barr's "Records Management System Manual."

Other Barr SOP subjects referenced within this SOP: collection of samples and investigative derived waste, collection of PFAS samples.

9.0 References

ASTM International, D5088-20. 2020. Standard Practice for Decontamination of Field Equipment Used at Waste Sites.

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Attachment 1

Revision Summary

Section	Revision Made	Reason for Revision
Throughout	Minor grammatical, formatting and spelling corrections	Consistency
2.0	Modified language to update single-use equipment as a limitation	Clarified wording
6.2.1	Added minimum rinse criteria for water sampling equipment	Updated procedure to reflect general best practices for rinsing equipment
6.2.3	Added paragraph addressing PRT	Updated procedure to reflect current practices
9.0	Updated ASTM reference	Reflects current reference method version
Attachments	Updated Attachment 1 to reflect revision summary format specific to most recent document changes	Consistency in revision summary documentation

Printed Copy is Uncontrolled. Controlled copy is maintained on the internal Barr network. Print a new copy each time a hard copy is required.

Standard Operating Procedure

Documentation on a Chain-of-Custody (COC)

Revision 7

March 24, 2026

Approved By:

Samantha Schirmer		03/24/26
Print	Signature	Date

Technical Reviewer

Michael Dupay		03/24/26
Print	Signature	Date

QA Manager

Review of the SOP has been performed and the SOP still reflects current practice.

Initials: _____ Date: _____

Initials: _____ Date: _____

Initials: _____ Date: _____

Initials: _____ Date: _____

Documentation on a Chain-of-Custody (COC)

Printed Copy is Uncontrolled. Controlled copy is maintained on the internal Barr network. Print a new copy each time a hard copy is required.

1.0 Scope and Applicability

The purpose of this procedure is to describe how to properly document information on a Chain-of-Custody (COC). A COC is a legally binding document that identifies sample identification, analyses required and shows traceable possession of samples from the time they are obtained until they are introduced as evidence in legal proceedings. A Field Technician completes the information on the COC at the time samples are collected and the COC accompanies the samples during transport to a storage facility or to the laboratory for analysis.

The recommended procedures in this SOP should be followed unless conditions make it impractical or inappropriate to do so. Modifications should be noted in the applicable documentation and communicated to appropriate personnel. Significant changes may result in a revision or newly created SOP.

2.0 Limitations

- The SOP does not apply to sample aliquots that are only collected for field screening purposes.
- The SOP does not apply to samples remaining on-site.

3.0 Responsibilities

Experienced Field Technicians are responsible for the proper sample identification and for accurate and complete documentation on the COC.

4.0 Procedure

The COC is the most important sampling document; it must be filled out accurately and completely every time a sample is collected. The instructions below are specific to Barr's COC for air canisters and Barr's COC typically used for solid and liquid samples. The COC for air canisters is typically used when collecting soil gas, soil vapor, emissions, or indoor and outdoor air samples in an evacuated canister. The COC for solid and liquid samples is typically used when collecting matrices such as groundwater, surface water, drinking water, wastewater, storm water, soil, sediment, oil, paint chips, bulk materials, etc. Information common to both COCs and specific to each COC are detailed below.

Some of the information on a COC may be filled out ahead of time (e.g., report and invoice recipient details, project number, project name, project manager, purchase order number, etc.) while other information should be completed during sampling. Complete one COC or more, as needed, for each set of project samples. The COC should be completed prior to leaving the sampling location.

Laboratory supplied COCs may be used but may differ in the information captured. The use of a Barr COC is recommended as it allows for more efficient data processing within Barr's systems. If there are any questions, please contact a member of Barr's Data Quality team.

The laboratory receiving the samples will sign the COC, record the date and time of sample receipt, assign a laboratory work order number, document sample condition, and document whether custody seals were used and if they were intact.

4.1 Common Chain-of-Custody Information

- Barr office location managing the work.
- Two-digit identification for the state or province the samples originated from/sampled in.
- COC numbered pages (e.g., 1 of 1).
- Report and invoice recipient information.
- Purchase order number (if applicable).
- Barr project name and number.
- Sample location.
- Sample collection date and time.
- Sample matrix abbreviation (see "Matrix Code" on COC).
- Analysis requested.
- Field Technician (e.g., sampler) name.
- Barr Project Manager and project Data Quality (DQ) Manager names.
- Laboratory name and location in which samples are to be relinquished.
- Requested due date.
- Signature of Field Technician (e.g., sampler) under the first 'relinquished by.'
- Signature of sample transferee.
- Date and time of sample transfers.
- Method of transport (ground courier, air carrier, sampler, etc.).
- Air Bill number (if applicable).

4.2 Completing a Chain-of-Custody for Air Canisters

Lab deliverable contents (based on project needs).

- Canister serial # and size.
- Flow controller serial #.
- Initial and final vacuum measurement (in inches of mercury).
- Start and stop times when the canister was drawing sample.
- Total time calculated from the start and stop times.
- Matrix code.
- PID reading (indicate if ppm or ppb).
- Sample comments (if any).
- Identify the report deliverable contents requested (e.g., sample chromatograms).

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4.3 Completing a Chain-of Custody for Solid and Liquid Samples

- Sample start and stop depth (if applicable) and unit of measurement (meter, feet, inches, etc.).
- Information regarding whether to perform sample Matrix Spike (MS) and MS duplicate (MSD).
- Container preservative type (see "Preservative Code" on COC).
- Information regarding whether the sample was field filtered.
- Number of each container type and the total number of containers for the sample.
- Presence or absence of ice.

4.4 Distribution of the COC Pages

One copy accompanies the sample shipment to the laboratory, and a separate copy is maintained as the Field Document. The Field Technician must provide an electronic copy (e.g., PDF or image file) to the Barr Data Management Administrator for filing on Barr's internal network project files. This read-only electronic copy will be distributed to and available for use by the project team via Barr's internal network project file access.

5.0 Quality Control and Quality Assurance (QA/QC)

The Field Technician should review the COC for accurate and complete documentation.

6.0 Records

Examples of common field documentation are available in Barr's "Compendium of Field Documentation." Field documentation specific to this SOP are listed below:

- Chain-of-Custody for Air Canisters
- Chain-of-Custody

An electronic copy of the COC is provided to a Barr Data Management Administrator for storage on the internal Barr network files.

Additional records information can be found in Barr's "Records Management System Manual."

7.0 References

United States Environmental Protection Agency. 2025. IT/IM Directive *Quality Assurance Project Plan Guidance*.

Printed Copy is Uncontrolled. Controlled copy is maintained on the internal Barr network. Print a new copy each time a hard copy is required.

Attachment 1

Revision Summary

Section	Revision Made	Reason for Revision
Throughout	Corrected grammar	Consistency
Title Page	Updated Technical and QA Manager reviewer signatory line formatting	Consistency
4.2	Included report deliverable content examples and omitted electronic data deliverable specifics	Reflects current COC information
4.4 and 6.0	Updated distribution of COC procedures	Reflects current documentation practices
7.0	Updated referenced document to reflect current version	Consistency
Attachment	Added Attachment 1	Track revisions made to SOP

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Appendix C

Test Pit Field Logs

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP32

Client: IRRR

Transformer Display

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: JJP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.1	N	N	N	0-1.4 maroon mine fill, coarse silty sand w/ gravel subrounded moist
2	0.2	N	N	N	1.4-3.5 fill c.s. 25 yellow-orange coarse sand, sub round, w/ gravel moist round
3	0.2	N	N	N	2.5-3.5 Black fill, coarse silty sand, trace coal and gray moist
4	0.2	N	N	N	3.5-4 Tan silty sand, trace rounded gravel, moist
					TD 4'

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP33

Client: IRRR

Transformer Display

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2024

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.7	N	N	N	0-1.8 maroon mine fill, coarse silty sand w/ gravel sub round moist
2					
3	0.1	N	N	N	1.8-2.8 fill orange coarse sub round sand w/ gravel moist black/gray mine coarse silty sand trace coal
4	0.1	N	N	N	2.8-4' tan silty sand, trace rounded gravel moist silty sand TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP34

Client: IRRR

Transformer Display

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2024

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.9	N	N	N	0-1.8 maroon mine fill, coarse silty sand w/ gravel moist
2	0.1	N	N	N	1.8-2.5 fill gray/black fill, medium-coarse silty sand trace coal moist
3	0.4	N	N	N	2.5-4' Tan silty sand trace sm coarse gravel, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2392894.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP35

Client: IRRR

Transformer Display

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.6	N	N	N	0-1.4 maroon mine fill, coarse silty sand w/ gravel sub round moist
2	2.0	N	N	N	1.4-2.9 fill black/gray fill, medium coarse silty sand trace coal moist
3	1.6	N	N	N	2.9-4.0' Tan silty sand trace sub round gravel, moist Sm
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352894.GPJ BARRLOG.GDT 6/15/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP36

Client: IRRR

Cold Storage, Material Storage

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
					0-0.8 maroon mine fill, gravel w/ course angular sand, moist
1	1.2	N	N	N	0.8-1 dark brown organic silt w/ sand, moist
					1-4' Tan SP, ~~X~~ trace gravel, sub round, moist medium
2	1.4	N	N	N	
3	1.4	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2302884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP37

Client: IRRR

Cold Storage, Material Storage

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
					0-0.4 maroon mine fill gravel w/silty sand and angular gravel moist
1	1.2	N	N	N	0.4-1 dark brown organic silt w/ sand, moist
2	1.6	N	N	N	Tan SP trace gravel, subround, moist medium
3	1.5	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
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Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP38

Client: IRRR

Cold Storage - material storage

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: ISP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	0.5	N	N	N	0-1' dark maroon mine silt, m-c sand w/ sub round gravel, moist
1	2.4	N	N	N	1-1.3 dark brown sand w/ silt, m-coarse, sub-angular, moist
					1.3-4' Tan Sand w/ silt, trace gravel, moist (SP, medium, subround)
2					
	1.9	N	N	N	
3					
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** B-TP39
Client: IRRR	Cold storage - Material Storage
Number:	**Elevation:** **Total Depth:** 4'
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6/10/2026
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	1.0	N	N	N	0-1.2 Mine fill, dark maroon, coarse sand w/ gravel, moist, sub angular sub angular
1					
	1.4	N	N	N	1.2-4' SM Tan silty sand trace sub round gravel, moist f-m
2					
3	1.4	N	N	N	
4					TD 4'

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2302884.GPJ BARRLOG3.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Client: IRRR

Number:

Location: Hill Annex Mine, Calumet, MN

Contractor: Bougalis

Log of Test Pit No. B-TP-40

UST

Elevation:

Total Depth: 11.7'

Date Started: 6/10/2026

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.7	N	N	N	0-2 Maroon, mine fill, angular, gravel w/ coarse sand, moist
2	1.0				
3	1.6	N	N	N	2-3' Brown SM trace rounded gravel
4	6.0	Petroleum	gray	N	3-11.7' Tan-gray SM, subround, trace gravel to cobbles, moist
6	19.1	mod gasoline	gray	N	
8	52.0	strong gasoline			
10	2160				Wet ~10'
12	540				11.7' TD

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352894.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP41

Client: IRRR

Cold Storeage floor

Number:

Elevation:

Total Depth: 1ft

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2024

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.3	N	Y	N	0-1 coarse sand fill (SP) moist-dry, dark stain 0-0.4' sub round
					TD 1'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
BARR Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6.18.19

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP 42

Client: IRRR

UST

Number:

Elevation:

Total Depth: 4 ft

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-26

Contractor: Bougalis

Logged By: SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	0.6	None	N	N	Maroon mine fill angular silty Sand with gravel and organics, moist
1	7.9	None	N	N	Brown Silty Sand trace gravel rounded Black possibly organic streak, moist
2		trace	N	N	light brown to light gray subrounded trace gravel dark brown streaking moist
3	1.0				
4	1.2	None	N	N	
					TD 4'

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Figure

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Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA | **Log of Test Pit No.** B-TP43 UST

Client: IRRR

Number: | **Elevation:** | **Total Depth:** 4 ft

Location: Hill Annex Mine, Calumet, MN | **Date Started:** 6-11-26

Contractor: Bougalis | **Logged By:** SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	0.9	mod	yes	no	medium to fine maroon mine fill silty sand with gravel and moist black areas of discoloration with moderate petroleum odor
1	0.9	none to slight	no	no	medium to fine brown silty sand subrounded with gravel and possibly organic black streaks, moist
2	0.5	none	no	no	
3	3.8	slight	no	no	medium to fine light brown to light gray with maroon streaking subrounded with gravel, moist
4					TD 4'

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Rail road tie at approx 1 ft

Figure

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TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/15/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP44 UST

Client: IRRR

Number:

Elevation:

Total Depth: 4ft

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-26

Contractor: Bougalis

Logged By: SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	0.4	trace	Yes	No	medium to fine silty Sand maroon mine fill with gravel and trace black Streakering with trace petroleum odor, moist
1	0.6	No	No	No	medium to fine brown Silty Sand Subrounded with gravel and black organics layer at approx 1-1.5 Ft, moist
2	0.6	No	No	No	medium to firm brown to gray Silty Sand Subrounded with trace gravel and maroon Streaking, moist
3	0.4	No	No	No	~~medium~~
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Railroad ties at 1 ft - 2ft

electric cable at 3ft

Figure

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TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP45

Client: IRRR

Dockery

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-26

Contractor: Bougalis

Logged By: SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0		No	No	No	Coarse to fine silty Sand maroon mine fill with gravel moist
1	0.4				Black layer at approx 0.8'-1' with trace organic odor
2	0.2	No	No	No	medium to fine light brown to light gray silty Sand with medium to trace gravel and maroon streaking, moist
3	0.2	No	No	No	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 8/19/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP 46

Client: IRRR

Docking

Number:

Elevation:

Total Depth: 4ft

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-2026

Contractor: Bougalis

Logged By: SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	0.6	No	No	No	coarse to fine Silty Sand maroon mine fill with gravel and organics
1					medium to fine Silty Sand Subrounded brown to gray
	0.8	N	N	N	with gravel and maroon Streaking
2					black wood waste (railroad tie) @ 1.2' - 1.5'
		No	No	No	
3	0.8				
4					

TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 8/13/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** B-TP47
Client: IRRR	Decking
Number:	**Elevation:** **Total Depth:** 4ft
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6-11-20
Contractor: Bougalis	**Logged By:** SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	0.6	NO	NO	NO	Coarse to fine maroon mine fill silty sand with gravel and organics, moist
1					
2	1.6	NO	NO	NO	brown to gray medium to fine silty sand subrounded with gravel and trace black streaking, moist
3					
4	1.5	NO	NO	NO	

TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Railroad ties @ 1.5-2' along with other metal debris

Figure

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TEST PIT LOG PAGE 2382884.GPJ BARRLOGS.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** B-TP48
Client: IRRR	Docking
Number:	**Elevation:** **Total Depth:** 4 ft
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6-11-26
Contractor: Bougalis	**Logged By:** SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0					medium to fine Silty Sand maroon mine fill with gravel
0.5					
1	1.8				medium to fine light brown Silty Sand with gravel, moist
1.5		trace organic	NO	NO	
2	10.7	trace organic	NO	NO	Dark gray medium to fine organic material with gravel (layer 1.5'-2')
					light gray medium to fine Silty Sand with black streaks and gravel, moist
3		NONE	NO	NO	
	3.7				
4					4' TD

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Waste material found @ 2' - 2.5' including wood pieces (likely railroad ties) and rubber.

Incidental petroleum odor during excavation but not identified while logging + sampling

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/16/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP49

Client: IRRR

Docking

Number:

Elevation:

Total Depth: 3 ft

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-20

Contractor: Bougalis

Logged By: SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0					
	0.6	N	N	N	medium to fine silty sand with organics and gravel maroon mine waste
1					
	1.1	N	N	N	gray to light gray silty sand subrounded with gravel and black & maroon streaking
2					
	0.8	N	N	N	
3					

TD 3'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA | **Log of Test Pit No.** B-TP50

Client: IRRR | Docking

Number: | **Elevation:** | **Total Depth:** 4 ~~3.5~~ ft

Location: Hill Annex Mine, Calumet, MN | **Date Started:** 6-11-26

Contractor: Bougalis | **Logged By:** SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0					
	0.6	NO	NO	NO	Course to fine maroon mine fill silty sand with gravel and organics
1					
	2.1	NO	NO	NO	1.5 ft
2					medium to fine dark brown to gray silty sand subrounded with gravel and black streaks.
	0.8	NO	NO	NO	
3					
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2382894.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. BTP51

Client: IRRR

Dark.my

Number:

Elevation: **Total Depth:** ~~5ft~~ 4ft

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-26

Contractor: Bougalis

Logged By: SAW



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	2.1	NO	NO	N	coarse to fine maroon ~~brown~~ fill with gravel and organics. ~~Slag~~ trace dark maroon streaking
1					
	1.8	trace organic	N	N	
2					
	1.0	trace organic	N	N	dark gray to light gray medium to fine silty sand with gravel. Moderate black streaks @ 2-2.5'.
3					
	1.4	NO	N	N	brown to gray coarse to fine silty sand subrounded with gravel
4					
					TD 4'

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Railroad ties found at 2'-2.5"

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** B-TP52
Client: IRRR	Quonset Garage
Number:	**Elevation:** **Total Depth:** 4'
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6/11/2024
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	0.6	N	N	N	0-0.5' maroon mine fill, gravel, angular, w/ silty sand
1					0.5-2.5 SP, Tan, trace coarse, w/ gravel, moist fill medium sub rounded
2	0.9	N	N	N	
3					2.5-4' maroon mine fill, gravel trace cobbles, angular w/ silty sand, moist
	1.2	N	N	N	
4					TD 4'

Quonset Garage
1.5' Concrete

N ←

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA | **Log of Test Pit No.** B-TP53

Client: IRRR | Quonset Garage

Number: | **Elevation:** | **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN | **Date Started:** 6-11-2026

Contractor: Bougalis | **Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.0	N	N	N	0-0.7 Maroon mine fill, gravel, angular w/ silty sand, moist
2	1.1	N	N	N	0.7-2' Tan SP, trace coarse w/ gravel, sub round, moist fill medium
3	1.8	N	N	N	2-3.5' Maroon mine fill, gravel, angular, w/ silty sand, moist trace cobbles
4	1.1	N	N	N	3.5-4' Tan silty sm sand, trace gravel, medium-fine, m-f sub round, moist

TD 4'

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP54

Client: IRRR

Transformer 2

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.6	N	N	N	0-0.8' maroon fill, sand, m, sub rounded, some gravel, moist
2	0.5	N	N	N	0.8-3' Black fill, coarse sand w/ coal, angular, moist some slag and gravel
3					
4	0.3	N	N	N	Tan silty sand, m-f, subround trace gravel, moist SM
					4' TD

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2 252584.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP55

Client: IRRR

Transformer 2

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.5	N	N	N	0-1.5 maroon/brown fill, gravel angular w/ silty sand moist medium-coarse
2	0.4	N	Y	N	1.5-2.5 dark brown fill, coarse sand, trace coal, w/ cobbles & gravel sub round & angular, moist
3	0.5	N	N	N	2.5-4.0 tan silty sand m-f, sub round trace gravel SM moist to wet 3.5-4'
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARR.LOG.GDT 8/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP56

Client: IRRR

Transformer 2

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-26

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.8	N	N	N	0-3' reddish brown m-c sand w/ gravel, subround, moist
2	1.0	N	N	N	
3	1.2	N	N	N	3-3.5 Dark [illegible] Silt, subround gravel w/ medium silty sand
4					3.5- tan silty sand, medium, subround, moist
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP57 Transformer 2

Client: IRRR

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-2024

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	0.6	N	N	N	0-0.5 maroon mine Soil, gravel w/ coarse sand, some angular, moist
1					0.5-3' Fill, black coarse silty sand, w rounded gravel + cobbles, w/scrap metal, coal, stained cloth (rags?) moist
2	0.0	N	N	N	
3	0.5	N	N	N	3-4 cobbles w/ silty sand matrix, red, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP 58

Client: IRRR

Transformer 2

Number:

Elevation:

Total Depth: 4

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.8	N	N	N	0-1' course sand w/ gravel brown, sub round, moist organics
2	0.4	N	N	N	1-2' dark brown coarse sand w/ gravel, moist Soil sub angular
3	0.4	N	N	N	2-4' Tan SP medium trace coarse sand + gravel, moist
4					
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352894.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** TP-59
Client: IRRR	Transformer 2
Number:	**Elevation:** **Total Depth:** 4'
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6-11-26
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.6	N	N	N	0-1 coarse sand w/ gravel, brown/maroon subround, moist
2	0.6	N	N	N	1-2 dark brown coarse sand w/ gravel, subangular, moist Coll
3	1.0	N	N	N	~~orangish~~ orangish @ top 0.3' moist 2-4 Tan SP medium, trace coarse sand & gravel ~~silty~~ 5.Hy bottom 0.5'
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP60

Client: IRRR

Transformer 2

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-2024

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.0	N	N	N	0-1' maroon fill, gravel, w/ silty sand, angular, moist
2	0.0	N	N	N	1-2' coarse sand w/ gravel, brown, sub rounded, moist
3	0.0	N	N	N	2-4' silty sand, tan, medium - fine trace gravel fine sub rounded, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

AR tracks adjacent to TP

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP61 Transformer

Client: IRRR

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.0	N	N	N	0-1 maroon silty gravel w/ silty sand matrix, angular, moist
2	0.0	N	N	N	1-2 coarse sand w/ gravel, brown, sub round, moist
3	0.7	N	N	N	2-4' silty sand tan, medium - fine, trace gravel, sub round moist (SM)
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP62

Client: IRRR

Locomotive Shop

Number:

Elevation:

Total Depth: 3"

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-11-2026

Contractor: Bougalis

Logged By: JH



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
					Brown silt w/ sand, dry, trace glass & wood debris, creosote odor

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Locomotive shop

-no stain

0.6 ppm

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** B-TPG3
Client: IRRR	Locomotive Shop
Number:	**Elevation:** **Total Depth:** 3"
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6-11-2026
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
					Brown silt w/sand, dry, trace glass+wood debris, <resote odor

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Locomotive shop

-stain

0.6 ppm

Figure

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TEST PIT LOG PAGE 2362584.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. TB-TP64

Client: IRRR

Maintenance Shop

Number:

Elevation:

Total Depth: 3.5'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/12/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1					pit
2					
3	4.2	dark	N		3.3-3.5 stained organic debris, moist, oil-like odor
					concrete bottom
4					TD 3.5'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

4 x 18 x 3.5
W L deep

Figure

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Fax: 952-862-2601

TEST PIT LOG PAGE 2362884.GPJ; BARRLOG.GDT 6/18/26

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** B-TP65
Client: IRRR	Maintenance Shop - Sludge Pit
Number:	**Elevation:** **Total Depth:** 8.5'
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6/12/2024
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	Temperature (°F)	pH	Discoloration	Sheen	DESCRIPTION
2					Pit
4					
6					Brown liquid
8	50.1	Y	brown	N	Brown sludge
10					8.5 - bottom of pit

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

3 x 7 x 8.5'
w l deep

odor difficult to describe

Figure

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TEST PIT LOG PAGE 2.BG384.GPJ BARRLOG.GDT 6/18/08

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP66

Client: IRRR

Maintenance Shop - trench

Number:

Elevation:

Total Depth: 3.5'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/12/2020

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
					0-3.5' mine fill, maroon gravel w/ sandy silt matrix, dry
1	0.7	N	N	N	
2					
3					
4					TD 3.5 concrete bottom

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/20

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. T3-TP67

Client: IRRR

Maintenance Shop - Trench

Number:

Elevation:

Total Depth: 3.5'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/12/2026

Contractor: Bougalis

Logged By: JSP

Depth (feet)	Sample Type / Number	PID	Discoloration	Sheen	DESCRIPTION
2	0/0	N	N	N	0-3.5' mine fill, maroon gravel w/ sandy silt matrix, dry
3					
4					TD 3.5'

ELEVATION (feet MSL)

LENGTH (feet)

Map View

Remarks:

Figure

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Fax: 952-832-2601

1" = 5' PIT LOG PAGE 2362884.GPJ BARR.LOG.TEDT 6/19/26

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. B-TP66

Client: IRRR

Maintenance Shop - Trench

Number:

Elevation:

Total Depth: 3.5

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/12/2016

Contractor: Bougalis

Logged By: AJP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1					0-3.5' mine fill, maroon, gravel w/ silty sand matrix, dry
2	0.2	N	N	N	
3					
4					TD @ 3.5' concrete bottom

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2.GDT 5/4/2016 GPJ BARRLOG.GDT 6/19/20

Project Name: Hill Annex Mine PH II ESA

Client: IRRR

Number:

Location: Hill Annex Mine, Calumet, MN

Contractor: Bougalis

Log of Test Pit No. B-TP69

Maintenance Shop - Trench

Elevation:

Total Depth: 3.5

Date Started: 6/12/2026

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
					0-3.5' Fine mine fill, maroon gravel w/ sand silt matrix, dry
1					
2	0.7	N	N	N	
3					
					concrete bottom
4					TD 3.5'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2 2362884.GPJ BARRLOG.GDT 6.18.26

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. C-TP70

Client: IRRR

Electrical Shop - AST

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-12-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.4	N	N	N	0 - 1' maroon mine fill silty sand w/ sub round to sub angular gravel moist
	0.7	N	N	N	1 - 1.5' dark gray, sandy silt trace coal + slag, moist
2					1.5 - 4' maroon mine fill gravel, angular w/ sandy silt, moist
3	0.6	N	N	N	
4					TD 4'

Sample

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE_2352884.GPJ_BARRLOG.GDT_8/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. C-TP71

Client: IRRR

Electrical Shop-Transformer

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-12-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.6	N	N	N	0-4' maroon mine fill gravel and cobbles, angular, w/ silt sandy fill matrix, moist
2					
3	0.4	N	N	N	
4					TD 4'

Sample

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. C-TP72

Client: IRRR

Electrical Shop - Material storage

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-12-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.4	N	N	N	0-1' brown SP, medium trace coarse, subangular, trace subround gravel moist
	0.6	N	N	N	1-1.7' dark brown Sill, sand medium w/gravel size coal + slag, moist
2					1.7-4' Tan SP, medium, trace gravel, moist subround
3	0.2	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. C-TP73

Client: IRRR

Maintenance Shop - Material Storage

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-12-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.7	N	N	N	0-1 tan/maroon sand, medium, w/ gravel & cobbles, moist
2	0.3	N	N	N	1-1.7 fill dark brown sand, medium, w/ gravel size coal & slag & brick & metal, moist
3	0.2	N	N	N	1.7-4 tan SM, medium, trace subround gravel, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 5/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. C-TP 74 m

Client: IRRR — Maintenance Shop - Material storage

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6-12-2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.4	N	N	N	0-1.7 maroon, cobbles & gravel w silty sand matrix, moist sub rounded to angular
2					
3	0.7	N	N	N	1.7-3.5 SP tan, medium trace gravel, moist
4	0.6	N	N	N	3.5-3.8 Black & orange coal & slag gravel size, moist
					3.8-4.0 tan fine SP, sub rounded trace gravel, moist
					4' TD

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 232884.GPJ BARRLOG.GDT 6/19/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** e-TP75
Client: IRRR	@ Electrical Shop - Material Storage
Number:	**Elevation:** **Total Depth:** 4'
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6-12-2026
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.4	N	N	N	0-0.5 maroon gravel, angular w sandy silt matrix, moist
2	0.4	N	N	N	0.5-4 boulders + cobbles - concrete - bricks - rebar matrix = sandy silt w/ gravel size. moist - slag - coal
3	0.4	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2382984.GPJ BARRLOG.GDT 8/18/09

Project Name: Hill Annex Mine PH II ESA

Client: IRRR

Number:

Location: Hill Annex Mine, Calumet, MN

Contractor: Bougalis

Log of Test Pit No. C-TP 76

Electrical shop Drain

Elevation:

Total Depth: 4'

Date Started: 6/12/2026

Logged By: JSP

Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.3	N	N	N	0-2' maroon, mine fill, gravel w/ silty sand matrix angular gravel, moist
2					
3	0.6	N	N	N	2-4' silty fine sand, tan sub round, trace gravel moist SM
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Map View

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. C-TP77

Client: IRRR

Electrical Sump Drain

Number:

Elevation:

Total Depth: 4

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/12/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.7	N	N	N	0-4 maroon, fill, gravel, some cobbles, angular-subangular silty medium sand matrix, moist
2					power cable ~2'
3	0.6	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2382984.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. C-TP 78

Client: IRRR

Electrical Shop Drain

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/12/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	0.4	N	N	N	0-0.5 organic silt, moist, brown
1					0.5-3.0 maroon mine fill, gravel w/ silty sand matrix moist angular
2	0.6	N	N	N	
3					
	0.8	N	N	N	3-4' SM silty fine sand, tan, sub round, trace gravel, moist
4					TD 4'

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Encounter concrete box w/ pipes along Electrical Shop

Figure

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TEST PIT LOG MASE 23X36.GPJ BARR LOG.GDT 6/18/26

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP-9

Client: IRRR

Heavy Media Plant

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/8/26

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.1	N	N	N	~~0-.5~~ 0-1' maroon, silt w/sand, some organic silt pockets fill moist dark brown
2	1.1	N	N	N	1-3' Tan, silty Sand, sub angular, moist fill sm
3					▽
4	1.2	N	N	N	3-4' coarse gravel, angular, maroon, wet/saturated waste mine rock
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Iron foam/film on water surface

Blocky, not sinuous

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP10

Client: IRRR — Heavy Media Plant

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/16/24

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.4	N	N	N	0 - 1.5' Black, solidified/hard iron waste, fill, moist
2	1.3	N	N	N	1.5-3' silt w/sand, maroon, trace coarse sand, mine fill moist
3	1.6	N	N	N	3-4' clayey sand, gray, SC, sub round, moist
4					TD 4'

Building

1.5' concrete slab

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP11

Client: IRRR — Heavy Media Plant

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/16/20

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.4	N	N	N	0-1.5' course sand mine fill, red, soft, ~~saturated~~ wet
2	1.6	N	N	N	1.5-2.5' tan silt w/sand, hard, moist, fill
3	1.8	N	N	N	2.5-4' organic silt (OH) w/fine sand, black, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP12

Client: IRRR

Heavy Media Plant

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/8/20

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	1.6	N	N	N	1-3' maroon coarse sand w/silt, mine fill, moist
1					
2	1.6	N	N	N	Foundation w/rebar on building side ~0.5-2'
					0.0.0
3					0.0.0 w/cobbles @ ~2.5'
	1.3	N	N	N	3-4' tan, silty sand, moist, subrounded sm
4					
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP13

Client: IRRR

Elevated AST

Number:

Elevation:

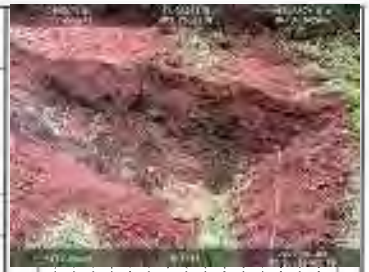
Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.2	N	N	N	0-1' maroon, coarse sand mine fill, moist
2	0.3	N	N	N	1-2.5' dark brown fill, trace organics + coal, sand w/ silt trace gravel, occasional cobble *slag, moist
3	0.3	N	N	N	2.5-4' Tan SP, medium, sub angular, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Elevated AST under spout

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARR.LOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP14

Client: IRRR

Elevated AST

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.6	N	N	N	0-1' maroon coarse sand mine fill, moist
2	0.5	N	N	N	1-2' dark brown fill, trace organics and coal, sand w/gravel moist
3	0.4	N	N	N	2-4' Tan SP, medium, sub angular, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP15

Client: IRRR

Elevated AST

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	0.6	N	N	N	0-0.4 maroon coarse sand and gravel mix fill, moist
1					
	0.6	N	Y	N	0.4-2' dark brown coarse sand + gravel fill, trace coal + slag moist
2					buried cable @ 2'
					2-4' Tan, SP medium to coarse, sub angular, moist
3	0.4	N	N	N	
4					
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Elevated AST drainage

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** D-TP16
Client: IRRR	Motor Shop Drain
Number:	**Elevation:** **Total Depth:** 4'
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6/9/2026
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.9	N	N	N	0-1.3' maroon gravel w/ coarse sand mine fill, moist
2	0.8	N	N	N	1.3-3' brown gravel w/ organic silty sand, moist
3					
4	0.7	N	N	N	3-4' Tan, sand (SP), medium grain, sub angular, moist
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Motor Shop drain

Figure

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TEST PIT LOG PAGE 2382984.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP17

Client: IRRR

Motor Shop drain

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.2	N	N	N	0-2' Maroon gravel w/ coarse sand mine fill, moist
2					
3	1.5	N	N	N	2-3.5' brown fill w/ trace coal, gravel w/ medium sand, moist
4	1.3	N	N	N	3.5-4' Tan SP, medium, subangular, moist
					TD 4'

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Figure

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TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** D-TP14
Client: IRRR	Motor Shop Ditch
Number:	**Elevation:** **Total Depth:** 4'
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6/9/2026
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.9	N	N	N	0-3.5' maroon gravel w/ coarse sand mine fill, moist
2					
	1.6	N	N	N	
3					
	0.9	N	N	N	3.5-4' Tan SP w/ gravel + cobbles medium moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352684.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP19

Client: IRRR

Motor Shop Ditch

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.4	N	N	N	0-2' maroon gravel w/ coarse sand, moist angular
2					
3	1.6	N	N	N	2-4' Tan, SP, medium, w/ gravel, subround, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP20

Client: IRRR

Motor Shop Ditch

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2024

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.3	N	N	N	0-1 maroon, silty sand, medium, mine fill, moist
2	1.6	N	N	N	1-3.5 Maroon gravel w/coarse sand mine fill, moist
3					
4	1.6	N	N	N	3.5-4 Tan, SP, trace gravel + cobbles subangular - subround ~~fine~~ SC, moist
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA	**Log of Test Pit No.** D-TP21
Client: IRRR	
Number:	**Elevation:** **Total Depth:** 4'
Location: Hill Annex Mine, Calumet, MN	**Date Started:** 6/9/2024
Contractor: Bougalis	**Logged By:** JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.2	N	N	N	1-2.2 Maroon, gravel/cobbles w/ medium sand fill (mine soil) angular, moist
2					* Soil petroleum
3	1.6	Y	Y	N	2.2-2.7 Dark gray, SP w/ gravel, trace organics, moist
4	0.8	N	N	N	2.7-4' Tan Sand (SP) w/ gravel & cobbles, subangular-subround, moist
					4' TD

LENGTH (feet)

ELEVATION (feet MSL)

Remarks:

Figure

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TEST PIT LOG PAGE 2352894.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP 22

Client: IRRR

Motor Shop Ditch

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.7	N	N	N	0-1' SP, maroon, medium, mine fill, moist
2	0.6	N	N	N	1-2' SP maroon, SP coarse w/ gravel moist — concrete slab on E side
3	0.7	N	N	N	2-2.5' organic silty sand, dark brown, moist
4	0.8	N	N	N	2.5-4' tan SP w/gravel subangular - sub rounded, moist
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP 23

Client: IRRR

Motor Sleep Ditch

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2024

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.0	N	N	N	0-2 maroon mix fill, angular gravel w/ sand, moist
2	1.6	N	N	N	2-2.7 dark brown organic silty sand (OH), moist
3	1.0	N	N	N	2.7-4' tan SP, medium, trace gravel, moist
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP24

Client: IRRR

Transformer 1 Perimeter

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.4	N	N	N	0-3.4' reddish brown SP, fine w/ interbedded medium moist SP and silt
2	1.2	N	N	N	Fill? coarse 2-2.5'
3					concrete foundation on S side @ 2'
4	0.4	N	N	N	3.4-4' Tan, SP trace gravel subangular moist

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/16/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP 25

Client: IRRR

Transformer 1 Perimeter

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	0.4				1-3' maroon gravel w/ course sand, and cobbles angular moist
1					
2	1.0				
3					3-3.2 course sand angular moist
	1.2				3.2-4' SAA - maroon gravel w/ course sand and cobbles moist angular
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 8/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP26

Client: IRRR

Transformer 1 Perimeter

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.2	N	N	N	0-3.5 maroon gravel w/ course Sand, moist angular some layers w/ more silt
2	0.8	N	N	N	
3					
4	0.8	N	N	N	3.5-4' tan SP. w/ gravel sub angular, moist
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP27

Client: IRRR

Transformer 1 Perimiter

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/9/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	0.4	N	N	N	0-1.5 maroon gravel w/ course sand silt, moist, angular
1					
		N	N	N	1.5-2' organic silt w/ sand, moist
2	0.9				
					2-4' Tan silt trace fine sand, moist
3					
	0.6	N	N	N	
4					
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP28

Client: IRRR

Transformer 1

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0.5	0.4	N	N	N	0-0.5' mine waste, maroon, angular gravel w/ silty coarse sand moist
1	1.2	musty	Y	N	0.5-2' silty sand w/ gravel, black + grey discoloration, musty odor trace coal, moist
2					2-4' silty sand, tan trace gravel ~~trace coal~~, moist
3	2.0	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

edge of concrete

Figure

Barr Engineering Co.
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Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP29

Client: IRRR — Transformer 1

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.0	N	N	N	0 - 1.5' mine fill maroon - gray gravel, angular, w/ silty coarse sand, moist
2	0.8	musty	Y	N	1.5 - 2' gravel silt, angular, gray, moist
					2 - 2.5 sandy mi silt, gray/dark gray, moist
3	0.6	N	N	N	2.5 - 4 Tan, sandy mi silt, trace gravel, moist
4	0.4	N	N	N	wet @ bottom
					TD 4'

1.5' concrete on N side of TP

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352384.GPJ BARRLOG.GDT 6/16/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP30

Client: IRRR

Motor Shop Ditch

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.0	N	N	N	0-3.5' Mine fill, maroon, gravel, angular some coarse sand, moist
2					
3	1.2	N	N	N	
4	1.2	N	N	N	3.5-4' Tan SP, trace gravel, moist
					TD4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2302884.GPJ BARRLOG.GDT 5/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. D-TP31

Client: IRRR

Motor Shop Ditch

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/10/2026

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	1.8	N	N	N	0-1 maroon mine fill, gravel w/ coarse sand, moist
1	N/A				1-1.5' concrete
2	2.1	N	N	N	1.5-2.5 SP medium, metalic gray, angular, moist -rr tie
3	2.1	N	N	N	2.5-3.5 maroon mine fill, gravel w/ coarse sand, moist
4					3.5-4' Tan ~~SP~~ silty sand SM, trace gravel, moist
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Fax: 952-862-2601

TEST PIT LOG PAGE 2352884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. E-TP01

Client: IRRR

Material Storage Area

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/8/26

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
0	0.3	N	N	N	0-1' reddish/maroon sandy silt, trace gravel, moist
1					1-3' Tan, sand w/silt and gravel + cobbles, moist
2	0.1	N	N	N	grayish medium-fine SP
3					
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. E-TP02

Client: IRRR

Material Storage Area 1

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/16/2020

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	0.4	N	N	N	0-1' reddish/Maroon, sandy silt, trace gravel, moist
1					
					1-3' SP Tan sand w/ silt and gravel and cobbles, moist + grayish medium fine
2					
	0.6	N	N	N	
3					
4					TD-4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 235288.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. E-TP03

Client: IRRR

Material Storage Area 1

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/16/26

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.4	N	N	N	0-1' maroon ~~sandy~~ sandy silt trace gravel moist
2					1-3' Tan SP Sand w/ silt + gravel + cobbles moist medium-fine
3	0.2	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Edina, MN 55435
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TEST PIT LOG PAGE 2382844.GPJ BARRLOG.GDT 6/19/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. E-TP04

Client: IRRR — Material Storage Area 1

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/18/26

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	0.8	N	N	N	0-1' maroon, sandy silt, trace gravel, moist
2					1-3' Tan SP sand w/ silt, gravel, + cobbles, moist — medium-fine
3	0.4	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2382884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. E-TP05

Client: IRRR

Material Storage Area 2

Number:

Elevation: **Total Depth:** 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/8/26

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.1	N	N	N	0-3.5' mine fill, course sand size maroon fill, angular moist
2	1.0	N	N	N	
3					
4	1.0	N	N	N	3.5-4' Brown Sand w/ gravel, trace organics, moist, medium-firm
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352.GPJ BARRLOG.GDT 6/19/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. E-TP06

Client: IRRR

Material Storage Area 2

Number:

Elevation:

Total Depth: 4

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/8/26

Contractor: Bougalis

Logged By: JST



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.1	N	N	N	0-3.5' mine fill, coarse sand size maroon fill, angular moist
2	1.0	N	N	N	
3					
4	1.0	N	N	N	3.5-4' Tan Sand w/ gravel, rounded, moist, medium-fine
					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
4700 W 77th St. Suite 200
Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2352844.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. E-TP07

Client: IRRR

Material Storage Area 2

Number:

Elevation:

Total Depth: 4

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/8/20

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
	1.3	N	N	N	0-4 mine fill, coarse sand size maroon fill, angular, moist
1					
2	1.2	N	N	N	
3					
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

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Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Project Name: Hill Annex Mine PH II ESA

Log of Test Pit No. E-TP06

Client: IRRR — Material Storage Area 2

Number:

Elevation:

Total Depth: 4'

Location: Hill Annex Mine, Calumet, MN

Date Started: 6/26/20

Contractor: Bougalis

Logged By: JSP



Depth (feet)	PID Reading (ppm)	Odor	Discoloration	Sheen	DESCRIPTION
1	1.1	N	N	N	0-4' mine fill, coarse sand size maroon fill, angular, moist
2					
3	1.1	N	N	N	
4					TD 4'

ELEVATION (feet MSL)

LENGTH (feet)

Remarks:

Figure

Barr Engineering Co.
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Edina, MN 55435
Telephone: 952-832-2600
Fax: 952-862-2601

TEST PIT LOG PAGE 2362884.GPJ BARRLOG.GDT 6/18/09

Appendix D

Representative Project Photos

Project Photos
Hill Annex Mine Phase II Investigation

Area B – Train Yard



Photo 1



Photo 2

Photo 1: Excavating test pit by the Former Gasoline UST Area. Photo taken facing southeast on June 10, 2026.
Photo 2: Excavations on the west side of Transformer Area 2. Photo taken facing south on June 11, 2026.



Photo 3



Photo 4

Photo 3: Cold Storage Building floor. Photo taken facing west on June 10, 2026.
Photo 4: Test pit excavation in the Maintenance Shop. Photo taken facing northeast on June 12, 2026.



Photo 5



Photo 6

Photo 5: Test pit excavation in the Maintenance Shop. Photo taken facing south on June 12, 2026.
Photo 6: Test pit excavation in the Locomotive Repair Shop. Photo taken facing north on June 11, 2026.



Photo 7



Photo 8

Photo 7: Test pit excavation in the Locomotive Repair Shop. Photo taken facing north on June 11, 2026.
Photo 8: Test pit excavation in the Transformer Exhibit area. Photo taken facing north on June 10, 2026.



Photo 9



Photo 10

Photo 9: Quonset Garage slab. Photo taken facing southeast on June 11, 2026.
Photo 10: Excavating test pits in the Docking Area. Photo taken facing southeast on June11, 2026.



Photo 11

Photo 11: Test pits in the Docking Area. Photo taken facing northeast on June11, 2026.

Area C – Electrical Shop



Photo 12



Photo 13

Photo 12: Test pits in the Electrical Shop Drainage. Photo taken facing east on June 12, 2026.
Photo 13: Test pits in the Electrical Shop Drainage. Photo taken facing west on June 12, 2026.



Photo14

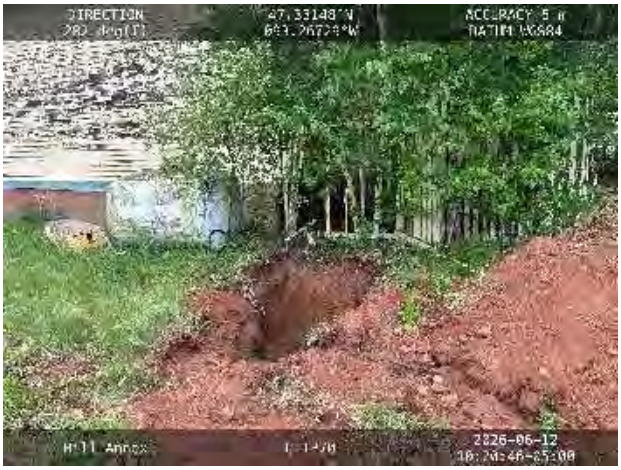


Photo 15

Photo 14: Excavating test pits near the Electrical Shop Transformer and AST. Photo taken facing northwest on June 12, 2026.
Photo 15: Excavating test pits near the Electrical Shop Transformer and AST. Photo taken facing west on June 12, 2026.



Photo 16

Photo 16: Excavating test pits near the Electrical Shop Material Storage Area. Photo taken facing north on June 12, 2026.

Area D – Heavy Media Plant



Photo 17



Photo 18

Photo 17: Test pit excavation near the Elevated Diesel AST. Photo taken facing southwest on June 9, 2026.
Photo 18: Collecting concrete core samples from concrete below Transformer Area 1. Photo taken facing west on June 12, 2026.



Photo 19



Photo 20

Photo 19: Excavating test pits near Transformer Area 1. Photo taken facing southwest on May 21, 2025.
Photo 20: Excavating test pits in the Motor Shop Drainage. Photo taken facing southwest on June 9, 2026.



Photo 21

Photo 21: Test pit near the Heavy Media Plant. Photo taken facing south on June 8, 2026.

Area E – Material Storage Areas



Photo 22



Photo 23

Photo 22: Excavating test pits near historical mining equipment in Material Storage Area 1. Photo taken facing northeast on June 8, 2026.
Photo 23: Excavating test pits in Material Storage Area 2. Photo taken facing northeast on June 8, 2026.

Appendix E

Analytical Laboratory Reports

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

June 30, 2026

Jim Taraldsen
Barr Engineering Company
325 S Lake Ave
Duluth, MN 55802

RE: Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Dear Jim Taraldsen:

Enclosed are the analytical results for sample(s) received by the laboratory on June 11, 2026. 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 - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Craig S Douglas

Craig Douglas
craig.douglas@pacelabs.com
(218) 727-6380
Project Manager

Enclosures

cc: Barr DM, Barr Engineering
Accounts Payable, Barr Engineering

REPORT OF LABORATORY ANALYSIS
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Pace Analytical Services, LLC
1700 Elm Stree
Minneapolis, MN 5541
(612)607-170

1

CERTIFICATIONS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alaska Contaminated Sites Certification #: 17-009
Arizona Certification #: AZ0014
Arkansas WW Certification #: 88-0680
Colorado Certification #: MN00064
DoD via A2LA Certification #: 2926.01
Florida Certification #: E87605
Idaho Certification #: MN00064
Indiana Certification #: C-MN-01
ISO/IEC 17025 via A2LA Certification #: 2926.01
Kentucky DW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Maine Certification #: MN00064
Michigan Certification #: 9909
Minnesota Dept of Ag Approval via Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nevada Certification #: MN00064
New Jersey Certification #: MN002
North Carolina DW Certification #: 27700
North Dakota Certification via A2LA #: R-036
Ohio DW Certification #: 41244
Oklahoma Certification #: 9507
Oregon Secondary Certification #: MN200001
Puerto Rico Certification #: MN00064
Tennessee Certification #: TN02818
Utah Certification #: MN00064
Virginia Certification #: 460163
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
USDA Permit #: P330-19-00208
Alabama Certification #: 40770
Alaska DW Certification #: MN00064
Arkansas DW Certification #: MN00064
California Certification #: 2929
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Georgia Certification #: 959
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky WW Certification #: 90062
Louisiana DW Certification #: MN00064
Maryland Certification #: 322
Minnesota Certification #: 027-053-137
Minnesota Petrofund Registration #: 1240
Missouri Certification #: 10100
Nebraska Certification #: NE-OS-18-06
New Hampshire Certification #: 2081
New York Certification #: 11647
North Carolina WW Certification #: 530
North Dakota Certification via MN #: R-036
Ohio VAP Certification (1700) #: CL101
Oregon Primary Certification #: MN300001
Pennsylvania Certification #: 68-00563
South Carolina Certification #:74003001
Texas Certification #: T104704192
Vermont Certification #: VT-027053137
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
Wyoming UST Certification via A2LA #: 2926.01

REPORT OF LABORATORY ANALYSIS

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Date: 06/30/2026 08:40 AM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10776910001	**B-COMP-07_0-1**	Solid	06/10/26 15:00	06/11/26 10:50
10776910002	**B-TP37-1_0-1**	Solid	06/10/26 14:55	06/11/26 10:50
10776910003	**B-TP40-1_3-4**	Solid	06/10/26 16:00	06/11/26 10:50
10776910004	**B-COMP-06_0-1**	Solid	06/10/26 13:16	06/11/26 10:50
10776910005	**B-TP35-1_0-1**	Solid	06/10/26 13:07	06/11/26 10:50
10776910006	**B-TP41-1_0-1**	Solid	06/10/26 17:00	06/11/26 10:50
10776910007	**B-TP32-1_0-1**	Solid	06/10/26 13:20	06/11/26 10:50
10776910008	**B-TP33-1_0-1**	Solid	06/10/26 13:25	06/11/26 10:50
10776910009	**B-TP34-1_0-1**	Solid	06/10/26 13:30	06/11/26 10:50
10776910010	**B-TP35-2_1.8-2.8**	Solid	06/10/26 13:42	06/11/26 10:50
10776910011	**B-TP36-1_0-1**	Solid	06/10/26 15:05	06/11/26 10:50
10776910012	**B-TP38-1_0-1**	Solid	06/10/26 15:15	06/11/26 10:50
10776910013	**B-TP39-1_0-1**	Solid	06/10/26 15:20	06/11/26 10:50
10776910014	**B-TP40-2_11-12**	Solid	06/10/26 16:20	06/11/26 10:50
10776910015	**Trip Blank-02**	Solid	06/10/26 13:07	06/11/26 10:50

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10776910001	**B-COMP-07_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10776910002	**B-TP37-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10776910003	**B-TP40-1_3-4**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10776910004	**B-COMP-06_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10776910005	**B-TP35-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10776910006	**B-TP41-1_0-1**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10776910007	**B-TP32-1_0-1**	ASTM D2974	JDL	1	PASI-M
10776910008	**B-TP33-1_0-1**	ASTM D2974	JDL	1	PASI-M
10776910009	**B-TP34-1_0-1**	ASTM D2974	JDL	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10776910010	**B-TP35-2_1.8-2.8**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10776910011	**B-TP36-1_0-1**	ASTM D2974	JDL	1	PASI-M
10776910012	**B-TP38-1_0-1**	ASTM D2974	JDL	1	PASI-M
10776910013	**B-TP39-1_0-1**	ASTM D2974	JDL	1	PASI-M
10776910014	**B-TP40-2_11-12**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10776910015	**Trip Blank-02**	WI MOD GRO	NJ1	2	PASI-M
		EPA 8260D	NMB	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-COMP-07_0-1 **Lab ID: 10776910001** Collected: 06/10/26 15:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.2**	ug/kg	53.4	13.2	1	06/15/26 09:16	06/17/26 11:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.6**	ug/kg	53.4	14.6	1	06/15/26 09:16	06/17/26 11:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.2**	ug/kg	53.4	17.2	1	06/15/26 09:16	06/17/26 11:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.5**	ug/kg	53.4	19.5	1	06/15/26 09:16	06/17/26 11:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.2**	ug/kg	53.4	16.2	1	06/15/26 09:16	06/17/26 11:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.0**	ug/kg	53.4	18.0	1	06/15/26 09:16	06/17/26 11:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.7**	ug/kg	53.4	15.7	1	06/15/26 09:16	06/17/26 11:24	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	86	%.	30-125		1	06/15/26 09:16	06/17/26 11:24	877-09-8	
Decachlorobiphenyl (S)	79	%.	30-125		1	06/15/26 09:16	06/17/26 11:24	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**3.3**	mg/kg	1.0	0.17	1	06/23/26 13:27	06/24/26 15:01	7440-38-2	
Barium	**33.5**	mg/kg	0.52	0.077	1	06/23/26 13:27	06/24/26 15:01	7440-39-3	
Cadmium	**0.64**	mg/kg	0.16	0.036	1	06/23/26 13:27	06/24/26 15:01	7440-43-9	
Chromium	**17.1**	mg/kg	0.52	0.15	1	06/23/26 13:27	06/24/26 15:01	7440-47-3	
Lead	**27.4**	mg/kg	0.52	0.23	1	06/23/26 13:27	06/24/26 15:01	7439-92-1	M1
Selenium	**0.76J**	mg/kg	1.0	0.45	1	06/23/26 13:27	06/24/26 15:01	7782-49-2	M1
Silver	**1.4**	mg/kg	0.52	0.041	1	06/23/26 13:27	06/24/26 15:01	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.040**	mg/kg	0.021	0.0091	1	06/23/26 14:32	06/24/26 09:32	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**6.3**	%	0.10	0.10	1		06/24/26 14:19		N2

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-COMP-07_0-1 **Lab ID: 10776910001** Collected: 06/10/26 15:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**5.4J**	ug/kg	10.7	1.2	1	06/15/26 08:46	06/16/26 07:40	83-32-9	
Acenaphthylene	**24.9**	ug/kg	10.7	1.9	1	06/15/26 08:46	06/16/26 07:40	208-96-8	M1,R1
Anthracene	**22.8**	ug/kg	10.7	1.2	1	06/15/26 08:46	06/16/26 07:40	120-12-7	
Benzo(a)anthracene	**34.2**	ug/kg	10.7	2.0	1	06/15/26 08:46	06/16/26 07:40	56-55-3	
Benzo(a)pyrene	**33.7**	ug/kg	10.7	1.8	1	06/15/26 08:46	06/16/26 07:40	50-32-8	
Benzo(b)fluoranthene	**75.7**	ug/kg	10.7	2.5	1	06/15/26 08:46	06/16/26 07:40	205-99-2	
Benzo(g,h,i)perylene	**54.8**	ug/kg	10.7	2.4	1	06/15/26 08:46	06/16/26 07:40	191-24-2	
Benzo(k)fluoranthene	**21.2**	ug/kg	10.7	1.4	1	06/15/26 08:46	06/16/26 07:40	207-08-9	
Chrysene	**58.7**	ug/kg	10.7	1.4	1	06/15/26 08:46	06/16/26 07:40	218-01-9	
Dibenz(a,h)anthracene	**12.3**	ug/kg	10.7	1.5	1	06/15/26 08:46	06/16/26 07:40	53-70-3	
Fluoranthene	**53.8**	ug/kg	10.7	2.8	1	06/15/26 08:46	06/16/26 07:40	206-44-0	R1
Fluorene	**5.9J**	ug/kg	10.7	1.2	1	06/15/26 08:46	06/16/26 07:40	86-73-7	
Indeno(1,2,3-cd)pyrene	**41.3**	ug/kg	10.7	2.2	1	06/15/26 08:46	06/16/26 07:40	193-39-5	
Naphthalene	**121**	ug/kg	10.7	3.8	1	06/15/26 08:46	06/16/26 07:40	91-20-3	M1,R1
Phenanthrene	**80.5**	ug/kg	10.7	2.3	1	06/15/26 08:46	06/16/26 07:40	85-01-8	M1,R1
Pyrene	**54.1**	ug/kg	10.7	2.2	1	06/15/26 08:46	06/16/26 07:40	129-00-0	R1
Surrogates									
2-Fluorobiphenyl (S)	72	%.	61-125		1	06/15/26 08:46	06/16/26 07:40	321-60-8	
p-Terphenyl-d14 (S)	81	%.	61-125		1	06/15/26 08:46	06/16/26 07:40	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP37-1_0-1 **Lab ID: 10776910002** Collected: 06/10/26 14:55 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**89.6**	mg/kg	10.4	2.9	1	06/15/26 17:07	06/19/26 19:32		T6
Surrogates									
n-Triacontane (S)	103	%.	50-150		1	06/15/26 17:07	06/19/26 19:32		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.1**	mg/kg	12.8	3.1	1	06/25/26 13:00	06/26/26 10:03		G+
Surrogates									
a,a,a-Trifluorotoluene (S)	92	%.	80-200		1	06/25/26 13:00	06/26/26 10:03	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**4.0**	%	0.10	0.10	1		06/24/26 14:19		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<450**	ug/kg	1400	450	1	06/24/26 09:36	06/25/26 00:50	67-64-1	H1
Allyl chloride	**<124**	ug/kg	281	124	1	06/24/26 09:36	06/25/26 00:50	107-05-1	H1
Benzene	**10.9J**	ug/kg	28.1	9.4	1	06/24/26 09:36	06/25/26 00:50	71-43-2	H1
Bromobenzene	**<24.3**	ug/kg	70.2	24.3	1	06/24/26 09:36	06/25/26 00:50	108-86-1	H1
Bromochloromethane	**<22.2**	ug/kg	70.2	22.2	1	06/24/26 09:36	06/25/26 00:50	74-97-5	H1
Bromodichloromethane	**<28.6**	ug/kg	70.2	28.6	1	06/24/26 09:36	06/25/26 00:50	75-27-4	H1
Bromoform	**<134**	ug/kg	281	134	1	06/24/26 09:36	06/25/26 00:50	75-25-2	H1
Bromomethane	**<244**	ug/kg	702	244	1	06/24/26 09:36	06/25/26 00:50	74-83-9	H1
2-Butanone (MEK)	**<164**	ug/kg	351	164	1	06/24/26 09:36	06/25/26 00:50	78-93-3	H1
n-Butylbenzene	**<24.6**	ug/kg	70.2	24.6	1	06/24/26 09:36	06/25/26 00:50	104-51-8	H1
sec-Butylbenzene	**<18.1**	ug/kg	70.2	18.1	1	06/24/26 09:36	06/25/26 00:50	135-98-8	H1
tert-Butylbenzene	**<20.6**	ug/kg	70.2	20.6	1	06/24/26 09:36	06/25/26 00:50	98-06-6	H1
Carbon tetrachloride	**<25.7**	ug/kg	70.2	25.7	1	06/24/26 09:36	06/25/26 00:50	56-23-5	H1
Chlorobenzene	**<20.5**	ug/kg	70.2	20.5	1	06/24/26 09:36	06/25/26 00:50	108-90-7	H1
Chloroethane	**<194**	ug/kg	702	194	1	06/24/26 09:36	06/25/26 00:50	75-00-3	H1
Chloroform	**<27.1**	ug/kg	70.2	27.1	1	06/24/26 09:36	06/25/26 00:50	67-66-3	H1
Chloromethane	**<43.2**	ug/kg	281	43.2	1	06/24/26 09:36	06/25/26 00:50	74-87-3	H1
2-Chlorotoluene	**<19.9**	ug/kg	70.2	19.9	1	06/24/26 09:36	06/25/26 00:50	95-49-8	H1
4-Chlorotoluene	**<20.9**	ug/kg	70.2	20.9	1	06/24/26 09:36	06/25/26 00:50	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<117**	ug/kg	702	117	1	06/24/26 09:36	06/25/26 00:50	96-12-8	H1
Dibromochloromethane	**<69.5**	ug/kg	281	69.5	1	06/24/26 09:36	06/25/26 00:50	124-48-1	H1
1,2-Dibromoethane (EDB)	**<22.5**	ug/kg	70.2	22.5	1	06/24/26 09:36	06/25/26 00:50	106-93-4	H1
Dibromomethane	**<28.6**	ug/kg	70.2	28.6	1	06/24/26 09:36	06/25/26 00:50	74-95-3	H1
1,2-Dichlorobenzene	**<20.5**	ug/kg	70.2	20.5	1	06/24/26 09:36	06/25/26 00:50	95-50-1	H1
1,3-Dichlorobenzene	**<18.8**	ug/kg	70.2	18.8	1	06/24/26 09:36	06/25/26 00:50	541-73-1	H1
1,4-Dichlorobenzene	**<18.5**	ug/kg	70.2	18.5	1	06/24/26 09:36	06/25/26 00:50	106-46-7	H1
Dichlorodifluoromethane	**<37.5**	ug/kg	281	37.5	1	06/24/26 09:36	06/25/26 00:50	75-71-8	H1
1,1-Dichloroethane	**<19.4**	ug/kg	70.2	19.4	1	06/24/26 09:36	06/25/26 00:50	75-34-3	H1

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP37-1_0-1 **Lab ID: 10776910002** Collected: 06/10/26 14:55 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<19.5**	ug/kg	70.2	19.5	1	06/24/26 09:36	06/25/26 00:50	107-06-2	H1
1,1-Dichloroethene	**<18.7**	ug/kg	70.2	18.7	1	06/24/26 09:36	06/25/26 00:50	75-35-4	H1
cis-1,2-Dichloroethene	**<21.2**	ug/kg	70.2	21.2	1	06/24/26 09:36	06/25/26 00:50	156-59-2	H1
trans-1,2-Dichloroethene	**<18.7**	ug/kg	70.2	18.7	1	06/24/26 09:36	06/25/26 00:50	156-60-5	H1
Dichlorofluoromethane	**<103**	ug/kg	702	103	1	06/24/26 09:36	06/25/26 00:50	75-43-4	H1
1,2-Dichloropropane	**<21.3**	ug/kg	70.2	21.3	1	06/24/26 09:36	06/25/26 00:50	78-87-5	H1
1,3-Dichloropropane	**<22.2**	ug/kg	70.2	22.2	1	06/24/26 09:36	06/25/26 00:50	142-28-9	H1
2,2-Dichloropropane	**<30.7**	ug/kg	281	30.7	1	06/24/26 09:36	06/25/26 00:50	594-20-7	H1
1,1-Dichloropropene	**<18.0**	ug/kg	70.2	18.0	1	06/24/26 09:36	06/25/26 00:50	563-58-6	H1
cis-1,3-Dichloropropene	**<23.9**	ug/kg	70.2	23.9	1	06/24/26 09:36	06/25/26 00:50	10061-01-5	H1
trans-1,3-Dichloropropene	**<21.9**	ug/kg	70.2	21.9	1	06/24/26 09:36	06/25/26 00:50	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<48.4**	ug/kg	281	48.4	1	06/24/26 09:36	06/25/26 00:50	60-29-7	H1
Ethylbenzene	**<23.6**	ug/kg	70.2	23.6	1	06/24/26 09:36	06/25/26 00:50	100-41-4	H1
Hexachloro-1,3-butadiene	**<43.6**	ug/kg	351	43.6	1	06/24/26 09:36	06/25/26 00:50	87-68-3	H1
Isopropylbenzene (Cumene)	**<17.5**	ug/kg	70.2	17.5	1	06/24/26 09:36	06/25/26 00:50	98-82-8	H1
p-Isopropyltoluene	**<18.4**	ug/kg	70.2	18.4	1	06/24/26 09:36	06/25/26 00:50	99-87-6	H1
Methylene Chloride	**<139**	ug/kg	281	139	1	06/24/26 09:36	06/25/26 00:50	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<136**	ug/kg	351	136	1	06/24/26 09:36	06/25/26 00:50	108-10-1	H1
Methyl-tert-butyl ether	**<20.5**	ug/kg	70.2	20.5	1	06/24/26 09:36	06/25/26 00:50	1634-04-4	H1
Naphthalene	**124J**	ug/kg	281	28.1	1	06/24/26 09:36	06/25/26 00:50	91-20-3	H1
n-Propylbenzene	**<17.5**	ug/kg	70.2	17.5	1	06/24/26 09:36	06/25/26 00:50	103-65-1	H1
Styrene	**<22.6**	ug/kg	70.2	22.6	1	06/24/26 09:36	06/25/26 00:50	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<23.7**	ug/kg	70.2	23.7	1	06/24/26 09:36	06/25/26 00:50	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<18.1**	ug/kg	70.2	18.1	1	06/24/26 09:36	06/25/26 00:50	79-34-5	H1
Tetrachloroethene	**<24.4**	ug/kg	70.2	24.4	1	06/24/26 09:36	06/25/26 00:50	127-18-4	H1
Tetrahydrofuran	**<525**	ug/kg	2810	525	1	06/24/26 09:36	06/25/26 00:50	109-99-9	H1
Toluene	**73.8**	ug/kg	70.2	28.1	1	06/24/26 09:36	06/25/26 00:50	108-88-3	H1
1,2,3-Trichlorobenzene	**<21.9**	ug/kg	70.2	21.9	1	06/24/26 09:36	06/25/26 00:50	87-61-6	H1
1,2,4-Trichlorobenzene	**<22.7**	ug/kg	70.2	22.7	1	06/24/26 09:36	06/25/26 00:50	120-82-1	H1
1,1,1-Trichloroethane	**<22.0**	ug/kg	70.2	22.0	1	06/24/26 09:36	06/25/26 00:50	71-55-6	H1
1,1,2-Trichloroethane	**<21.2**	ug/kg	70.2	21.2	1	06/24/26 09:36	06/25/26 00:50	79-00-5	H1
Trichloroethene	**<18.9**	ug/kg	70.2	18.9	1	06/24/26 09:36	06/25/26 00:50	79-01-6	H1
Trichlorofluoromethane	**<82.4**	ug/kg	281	82.4	1	06/24/26 09:36	06/25/26 00:50	75-69-4	H1
1,2,3-Trichloropropane	**<24.4**	ug/kg	281	24.4	1	06/24/26 09:36	06/25/26 00:50	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<28.5**	ug/kg	281	28.5	1	06/24/26 09:36	06/25/26 00:50	76-13-1	H1
1,2,4-Trimethylbenzene	**59.9J**	ug/kg	70.2	20.3	1	06/24/26 09:36	06/25/26 00:50	95-63-6	H1
1,3,5-Trimethylbenzene	**<19.6**	ug/kg	70.2	19.6	1	06/24/26 09:36	06/25/26 00:50	108-67-8	H1
Vinyl chloride	**<12.9**	ug/kg	28.1	12.9	1	06/24/26 09:36	06/25/26 00:50	75-01-4	H1
Xylene (Total)	**160J**	ug/kg	210	39.9	1	06/24/26 09:36	06/25/26 00:50	1330-20-7	H1
m&p-Xylene	**95.4J**	ug/kg	140	39.9	1	06/24/26 09:36	06/25/26 00:50	179601-23-1	H1
o-Xylene	**64.9J**	ug/kg	70.2	21.9	1	06/24/26 09:36	06/25/26 00:50	95-47-6	H1
Surrogates									
Toluene-d8 (S)	102	%.	75-125		1	06/24/26 09:36	06/25/26 00:50	2037-26-5	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP37-1_0-1 **Lab ID: 10776910002** Collected: 06/10/26 14:55 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/24/26 09:36	06/25/26 00:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/24/26 09:36	06/25/26 00:50	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP40-1_3-4 **Lab ID: 10776910003** Collected: 06/10/26 16:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**3.9J**	mg/kg	9.7	2.7	1	06/15/26 17:07	06/19/26 20:21		
Surrogates									
n-Triacontane (S)	112	%.	50-150		1	06/15/26 17:07	06/19/26 20:21		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.0**	mg/kg	12.4	3.0	1	06/25/26 13:00	06/26/26 10:25		G+
Surrogates									
a,a,a-Trifluorotoluene (S)	92	%.	80-200		1	06/25/26 13:00	06/26/26 10:25	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**7.2**	%	0.10	0.10	1		06/24/26 14:19		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<385**	ug/kg	1200	385	1	06/24/26 09:36	06/25/26 01:06	67-64-1	H1
Allyl chloride	**<106**	ug/kg	240	106	1	06/24/26 09:36	06/25/26 01:06	107-05-1	H1
Benzene	**11.2J**	ug/kg	24.0	8.1	1	06/24/26 09:36	06/25/26 01:06	71-43-2	H1
Bromobenzene	**<20.8**	ug/kg	60.0	20.8	1	06/24/26 09:36	06/25/26 01:06	108-86-1	H1
Bromochloromethane	**<19.0**	ug/kg	60.0	19.0	1	06/24/26 09:36	06/25/26 01:06	74-97-5	H1
Bromodichloromethane	**<24.5**	ug/kg	60.0	24.5	1	06/24/26 09:36	06/25/26 01:06	75-27-4	H1
Bromoform	**<115**	ug/kg	240	115	1	06/24/26 09:36	06/25/26 01:06	75-25-2	H1
Bromomethane	**<209**	ug/kg	600	209	1	06/24/26 09:36	06/25/26 01:06	74-83-9	H1
2-Butanone (MEK)	**<140**	ug/kg	300	140	1	06/24/26 09:36	06/25/26 01:06	78-93-3	H1
n-Butylbenzene	**27.0J**	ug/kg	60.0	21.0	1	06/24/26 09:36	06/25/26 01:06	104-51-8	H1
sec-Butylbenzene	**<15.5**	ug/kg	60.0	15.5	1	06/24/26 09:36	06/25/26 01:06	135-98-8	H1
tert-Butylbenzene	**<17.6**	ug/kg	60.0	17.6	1	06/24/26 09:36	06/25/26 01:06	98-06-6	H1
Carbon tetrachloride	**<22.0**	ug/kg	60.0	22.0	1	06/24/26 09:36	06/25/26 01:06	56-23-5	H1
Chlorobenzene	**<17.5**	ug/kg	60.0	17.5	1	06/24/26 09:36	06/25/26 01:06	108-90-7	H1
Chloroethane	**<166**	ug/kg	600	166	1	06/24/26 09:36	06/25/26 01:06	75-00-3	H1
Chloroform	**<23.2**	ug/kg	60.0	23.2	1	06/24/26 09:36	06/25/26 01:06	67-66-3	H1
Chloromethane	**<36.9**	ug/kg	240	36.9	1	06/24/26 09:36	06/25/26 01:06	74-87-3	H1
2-Chlorotoluene	**<17.0**	ug/kg	60.0	17.0	1	06/24/26 09:36	06/25/26 01:06	95-49-8	H1
4-Chlorotoluene	**<17.9**	ug/kg	60.0	17.9	1	06/24/26 09:36	06/25/26 01:06	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<99.9**	ug/kg	600	99.9	1	06/24/26 09:36	06/25/26 01:06	96-12-8	H1
Dibromochloromethane	**<59.4**	ug/kg	240	59.4	1	06/24/26 09:36	06/25/26 01:06	124-48-1	H1
1,2-Dibromoethane (EDB)	**<19.2**	ug/kg	60.0	19.2	1	06/24/26 09:36	06/25/26 01:06	106-93-4	H1
Dibromomethane	**<24.5**	ug/kg	60.0	24.5	1	06/24/26 09:36	06/25/26 01:06	74-95-3	H1
1,2-Dichlorobenzene	**<17.5**	ug/kg	60.0	17.5	1	06/24/26 09:36	06/25/26 01:06	95-50-1	H1
1,3-Dichlorobenzene	**<16.1**	ug/kg	60.0	16.1	1	06/24/26 09:36	06/25/26 01:06	541-73-1	H1
1,4-Dichlorobenzene	**<15.8**	ug/kg	60.0	15.8	1	06/24/26 09:36	06/25/26 01:06	106-46-7	H1
Dichlorodifluoromethane	**<32.0**	ug/kg	240	32.0	1	06/24/26 09:36	06/25/26 01:06	75-71-8	H1
1,1-Dichloroethane	**<16.6**	ug/kg	60.0	16.6	1	06/24/26 09:36	06/25/26 01:06	75-34-3	H1

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP40-1_3-4 **Lab ID: 10776910003** Collected: 06/10/26 16:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<16.7**	ug/kg	60.0	16.7	1	06/24/26 09:36	06/25/26 01:06	107-06-2	H1
1,1-Dichloroethene	**<16.0**	ug/kg	60.0	16.0	1	06/24/26 09:36	06/25/26 01:06	75-35-4	H1
cis-1,2-Dichloroethene	**<18.1**	ug/kg	60.0	18.1	1	06/24/26 09:36	06/25/26 01:06	156-59-2	H1
trans-1,2-Dichloroethene	**<16.0**	ug/kg	60.0	16.0	1	06/24/26 09:36	06/25/26 01:06	156-60-5	H1
Dichlorofluoromethane	**<88.1**	ug/kg	600	88.1	1	06/24/26 09:36	06/25/26 01:06	75-43-4	H1
1,2-Dichloropropane	**<18.2**	ug/kg	60.0	18.2	1	06/24/26 09:36	06/25/26 01:06	78-87-5	H1
1,3-Dichloropropane	**<19.0**	ug/kg	60.0	19.0	1	06/24/26 09:36	06/25/26 01:06	142-28-9	H1
2,2-Dichloropropane	**<26.3**	ug/kg	240	26.3	1	06/24/26 09:36	06/25/26 01:06	594-20-7	H1
1,1-Dichloropropene	**<15.4**	ug/kg	60.0	15.4	1	06/24/26 09:36	06/25/26 01:06	563-58-6	H1
cis-1,3-Dichloropropene	**<20.4**	ug/kg	60.0	20.4	1	06/24/26 09:36	06/25/26 01:06	10061-01-5	H1
trans-1,3-Dichloropropene	**<18.7**	ug/kg	60.0	18.7	1	06/24/26 09:36	06/25/26 01:06	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<41.4**	ug/kg	240	41.4	1	06/24/26 09:36	06/25/26 01:06	60-29-7	H1
Ethylbenzene	**39.1J**	ug/kg	60.0	20.2	1	06/24/26 09:36	06/25/26 01:06	100-41-4	H1
Hexachloro-1,3-butadiene	**<37.3**	ug/kg	300	37.3	1	06/24/26 09:36	06/25/26 01:06	87-68-3	H1
Isopropylbenzene (Cumene)	**<15.0**	ug/kg	60.0	15.0	1	06/24/26 09:36	06/25/26 01:06	98-82-8	H1
p-Isopropyltoluene	**<15.7**	ug/kg	60.0	15.7	1	06/24/26 09:36	06/25/26 01:06	99-87-6	H1
Methylene Chloride	**<119**	ug/kg	240	119	1	06/24/26 09:36	06/25/26 01:06	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<116**	ug/kg	300	116	1	06/24/26 09:36	06/25/26 01:06	108-10-1	H1
Methyl-tert-butyl ether	**<17.5**	ug/kg	60.0	17.5	1	06/24/26 09:36	06/25/26 01:06	1634-04-4	H1
Naphthalene	**55.1J**	ug/kg	240	24.0	1	06/24/26 09:36	06/25/26 01:06	91-20-3	H1
n-Propylbenzene	**20.7J**	ug/kg	60.0	15.0	1	06/24/26 09:36	06/25/26 01:06	103-65-1	H1
Styrene	**<19.3**	ug/kg	60.0	19.3	1	06/24/26 09:36	06/25/26 01:06	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<20.3**	ug/kg	60.0	20.3	1	06/24/26 09:36	06/25/26 01:06	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<15.5**	ug/kg	60.0	15.5	1	06/24/26 09:36	06/25/26 01:06	79-34-5	H1
Tetrachloroethene	**<20.9**	ug/kg	60.0	20.9	1	06/24/26 09:36	06/25/26 01:06	127-18-4	H1
Tetrahydrofuran	**<449**	ug/kg	2400	449	1	06/24/26 09:36	06/25/26 01:06	109-99-9	H1
Toluene	**28.1J**	ug/kg	60.0	24.0	1	06/24/26 09:36	06/25/26 01:06	108-88-3	H1
1,2,3-Trichlorobenzene	**<18.7**	ug/kg	60.0	18.7	1	06/24/26 09:36	06/25/26 01:06	87-61-6	H1
1,2,4-Trichlorobenzene	**<19.4**	ug/kg	60.0	19.4	1	06/24/26 09:36	06/25/26 01:06	120-82-1	H1
1,1,1-Trichloroethane	**<18.8**	ug/kg	60.0	18.8	1	06/24/26 09:36	06/25/26 01:06	71-55-6	H1
1,1,2-Trichloroethane	**<18.1**	ug/kg	60.0	18.1	1	06/24/26 09:36	06/25/26 01:06	79-00-5	H1
Trichloroethene	**<16.2**	ug/kg	60.0	16.2	1	06/24/26 09:36	06/25/26 01:06	79-01-6	H1
Trichlorofluoromethane	**<70.4**	ug/kg	240	70.4	1	06/24/26 09:36	06/25/26 01:06	75-69-4	H1
1,2,3-Trichloropropane	**<20.9**	ug/kg	240	20.9	1	06/24/26 09:36	06/25/26 01:06	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<24.4**	ug/kg	240	24.4	1	06/24/26 09:36	06/25/26 01:06	76-13-1	H1
1,2,4-Trimethylbenzene	**108**	ug/kg	60.0	17.4	1	06/24/26 09:36	06/25/26 01:06	95-63-6	H1
1,3,5-Trimethylbenzene	**32.6J**	ug/kg	60.0	16.8	1	06/24/26 09:36	06/25/26 01:06	108-67-8	H1
Vinyl chloride	**<11.0**	ug/kg	24.0	11.0	1	06/24/26 09:36	06/25/26 01:06	75-01-4	H1
Xylene (Total)	**85.6J**	ug/kg	180	34.1	1	06/24/26 09:36	06/25/26 01:06	1330-20-7	H1
m&p-Xylene	**85.6J**	ug/kg	120	34.1	1	06/24/26 09:36	06/25/26 01:06	179601-23-1	H1
o-Xylene	**<18.7**	ug/kg	60.0	18.7	1	06/24/26 09:36	06/25/26 01:06	95-47-6	H1
Surrogates									
Toluene-d8 (S)	102	%.	75-125		1	06/24/26 09:36	06/25/26 01:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP40-1_3-4 **Lab ID: 10776910003** Collected: 06/10/26 16:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/24/26 09:36	06/25/26 01:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/24/26 09:36	06/25/26 01:06	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-COMP-06_0-1 **Lab ID: 10776910004** Collected: 06/10/26 13:16 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.5**	ug/kg	50.4	12.5	1	06/15/26 09:16	06/17/26 11:40	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.8**	ug/kg	50.4	13.8	1	06/15/26 09:16	06/17/26 11:40	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.2**	ug/kg	50.4	16.2	1	06/15/26 09:16	06/17/26 11:40	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.5**	ug/kg	50.4	18.5	1	06/15/26 09:16	06/17/26 11:40	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.3**	ug/kg	50.4	15.3	1	06/15/26 09:16	06/17/26 11:40	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.0**	ug/kg	50.4	17.0	1	06/15/26 09:16	06/17/26 11:40	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.8**	ug/kg	50.4	14.8	1	06/15/26 09:16	06/17/26 11:40	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	93	%.	30-125		1	06/15/26 09:16	06/17/26 11:40	877-09-8	
Decachlorobiphenyl (S)	85	%.	30-125		1	06/15/26 09:16	06/17/26 11:40	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.5**	mg/kg	0.98	0.16	1	06/23/26 13:27	06/24/26 15:09	7440-38-2	
Barium	**32.2**	mg/kg	0.49	0.073	1	06/23/26 13:27	06/24/26 15:09	7440-39-3	
Cadmium	**0.12J**	mg/kg	0.15	0.034	1	06/23/26 13:27	06/24/26 15:09	7440-43-9	
Chromium	**14.3**	mg/kg	0.49	0.15	1	06/23/26 13:27	06/24/26 15:09	7440-47-3	
Lead	**30.4**	mg/kg	0.49	0.22	1	06/23/26 13:27	06/24/26 15:09	7439-92-1	
Selenium	**0.46J**	mg/kg	0.98	0.43	1	06/23/26 13:27	06/24/26 15:09	7782-49-2	
Silver	**<0.039**	mg/kg	0.49	0.039	1	06/23/26 13:27	06/24/26 15:09	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.091**	mg/kg	0.018	0.0077	1	06/23/26 14:32	06/24/26 09:37	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**4.7**	%	0.10	0.10	1		06/24/26 14:20		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-COMP-06_0-1 **Lab ID: 10776910004** Collected: 06/10/26 13:16 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**1.4J**	ug/kg	10.4	1.1	1	06/15/26 08:46	06/16/26 08:47	83-32-9	
Acenaphthylene	**2.3J**	ug/kg	10.4	1.8	1	06/15/26 08:46	06/16/26 08:47	208-96-8	
Anthracene	**5.9J**	ug/kg	10.4	1.2	1	06/15/26 08:46	06/16/26 08:47	120-12-7	
Benzo(a)anthracene	**13.2**	ug/kg	10.4	1.9	1	06/15/26 08:46	06/16/26 08:47	56-55-3	
Benzo(a)pyrene	**13.5**	ug/kg	10.4	1.7	1	06/15/26 08:46	06/16/26 08:47	50-32-8	
Benzo(b)fluoranthene	**27.2**	ug/kg	10.4	2.4	1	06/15/26 08:46	06/16/26 08:47	205-99-2	
Benzo(g,h,i)perylene	**13.8**	ug/kg	10.4	2.3	1	06/15/26 08:46	06/16/26 08:47	191-24-2	
Benzo(k)fluoranthene	**9.4J**	ug/kg	10.4	1.4	1	06/15/26 08:46	06/16/26 08:47	207-08-9	
Chrysene	**20.5**	ug/kg	10.4	1.3	1	06/15/26 08:46	06/16/26 08:47	218-01-9	
Dibenz(a,h)anthracene	**3.3J**	ug/kg	10.4	1.5	1	06/15/26 08:46	06/16/26 08:47	53-70-3	
Fluoranthene	**23.8**	ug/kg	10.4	2.7	1	06/15/26 08:46	06/16/26 08:47	206-44-0	
Fluorene	**1.5J**	ug/kg	10.4	1.2	1	06/15/26 08:46	06/16/26 08:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**13.3**	ug/kg	10.4	2.1	1	06/15/26 08:46	06/16/26 08:47	193-39-5	
Naphthalene	**27.5**	ug/kg	10.4	3.7	1	06/15/26 08:46	06/16/26 08:47	91-20-3	
Phenanthrene	**27.4**	ug/kg	10.4	2.3	1	06/15/26 08:46	06/16/26 08:47	85-01-8	
Pyrene	**19.5**	ug/kg	10.4	2.1	1	06/15/26 08:46	06/16/26 08:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%.	61-125		1	06/15/26 08:46	06/16/26 08:47	321-60-8	
p-Terphenyl-d14 (S)	72	%.	61-125		1	06/15/26 08:46	06/16/26 08:47	1718-51-0	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP35-1_0-1 **Lab ID: 10776910005** Collected: 06/10/26 13:07 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**9.7**	mg/kg	8.8	2.5	1	06/15/26 17:07	06/19/26 19:25		T6
Surrogates									
n-Triacontane (S)	103	%.	50-150		1	06/15/26 17:07	06/19/26 19:25		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.8**	mg/kg	11.4	2.8	1	06/25/26 13:00	06/26/26 10:46		
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%.	80-200		1	06/25/26 13:00	06/26/26 10:46	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**6.7**	%	0.10	0.10	1		06/24/26 14:20		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<373**	ug/kg	1160	373	1	06/24/26 09:36	06/25/26 01:23	67-64-1	H1
Allyl chloride	**<102**	ug/kg	232	102	1	06/24/26 09:36	06/25/26 01:23	107-05-1	H1
Benzene	**62.1**	ug/kg	23.2	7.8	1	06/24/26 09:36	06/25/26 01:23	71-43-2	H1
Bromobenzene	**<20.1**	ug/kg	58.1	20.1	1	06/24/26 09:36	06/25/26 01:23	108-86-1	H1
Bromochloromethane	**<18.3**	ug/kg	58.1	18.3	1	06/24/26 09:36	06/25/26 01:23	74-97-5	H1
Bromodichloromethane	**<23.7**	ug/kg	58.1	23.7	1	06/24/26 09:36	06/25/26 01:23	75-27-4	H1
Bromoform	**<111**	ug/kg	232	111	1	06/24/26 09:36	06/25/26 01:23	75-25-2	H1
Bromomethane	**<202**	ug/kg	581	202	1	06/24/26 09:36	06/25/26 01:23	74-83-9	H1
2-Butanone (MEK)	**<136**	ug/kg	290	136	1	06/24/26 09:36	06/25/26 01:23	78-93-3	H1
n-Butylbenzene	**<20.3**	ug/kg	58.1	20.3	1	06/24/26 09:36	06/25/26 01:23	104-51-8	H1
sec-Butylbenzene	**<15.0**	ug/kg	58.1	15.0	1	06/24/26 09:36	06/25/26 01:23	135-98-8	H1
tert-Butylbenzene	**<17.1**	ug/kg	58.1	17.1	1	06/24/26 09:36	06/25/26 01:23	98-06-6	H1
Carbon tetrachloride	**<21.2**	ug/kg	58.1	21.2	1	06/24/26 09:36	06/25/26 01:23	56-23-5	H1
Chlorobenzene	**<17.0**	ug/kg	58.1	17.0	1	06/24/26 09:36	06/25/26 01:23	108-90-7	H1
Chloroethane	**<160**	ug/kg	581	160	1	06/24/26 09:36	06/25/26 01:23	75-00-3	H1
Chloroform	**<22.4**	ug/kg	58.1	22.4	1	06/24/26 09:36	06/25/26 01:23	67-66-3	H1
Chloromethane	**<35.8**	ug/kg	232	35.8	1	06/24/26 09:36	06/25/26 01:23	74-87-3	H1
2-Chlorotoluene	**<16.5**	ug/kg	58.1	16.5	1	06/24/26 09:36	06/25/26 01:23	95-49-8	H1
4-Chlorotoluene	**<17.3**	ug/kg	58.1	17.3	1	06/24/26 09:36	06/25/26 01:23	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<96.7**	ug/kg	581	96.7	1	06/24/26 09:36	06/25/26 01:23	96-12-8	H1
Dibromochloromethane	**<57.5**	ug/kg	232	57.5	1	06/24/26 09:36	06/25/26 01:23	124-48-1	H1
1,2-Dibromoethane (EDB)	**<18.6**	ug/kg	58.1	18.6	1	06/24/26 09:36	06/25/26 01:23	106-93-4	H1
Dibromomethane	**<23.7**	ug/kg	58.1	23.7	1	06/24/26 09:36	06/25/26 01:23	74-95-3	H1
1,2-Dichlorobenzene	**<17.0**	ug/kg	58.1	17.0	1	06/24/26 09:36	06/25/26 01:23	95-50-1	H1
1,3-Dichlorobenzene	**<15.6**	ug/kg	58.1	15.6	1	06/24/26 09:36	06/25/26 01:23	541-73-1	H1
1,4-Dichlorobenzene	**<15.3**	ug/kg	58.1	15.3	1	06/24/26 09:36	06/25/26 01:23	106-46-7	H1
Dichlorodifluoromethane	**<31.0**	ug/kg	232	31.0	1	06/24/26 09:36	06/25/26 01:23	75-71-8	H1
1,1-Dichloroethane	**<16.0**	ug/kg	58.1	16.0	1	06/24/26 09:36	06/25/26 01:23	75-34-3	H1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP35-1_0-1 **Lab ID: 10776910005** Collected: 06/10/26 13:07 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<16.1**	ug/kg	58.1	16.1	1	06/24/26 09:36	06/25/26 01:23	107-06-2	H1
1,1-Dichloroethene	**<15.4**	ug/kg	58.1	15.4	1	06/24/26 09:36	06/25/26 01:23	75-35-4	H1
cis-1,2-Dichloroethene	**<17.5**	ug/kg	58.1	17.5	1	06/24/26 09:36	06/25/26 01:23	156-59-2	H1
trans-1,2-Dichloroethene	**<15.4**	ug/kg	58.1	15.4	1	06/24/26 09:36	06/25/26 01:23	156-60-5	H1
Dichlorofluoromethane	**<85.2**	ug/kg	581	85.2	1	06/24/26 09:36	06/25/26 01:23	75-43-4	H1
1,2-Dichloropropane	**<17.6**	ug/kg	58.1	17.6	1	06/24/26 09:36	06/25/26 01:23	78-87-5	H1
1,3-Dichloropropane	**<18.3**	ug/kg	58.1	18.3	1	06/24/26 09:36	06/25/26 01:23	142-28-9	H1
2,2-Dichloropropane	**<25.4**	ug/kg	232	25.4	1	06/24/26 09:36	06/25/26 01:23	594-20-7	H1
1,1-Dichloropropene	**<14.9**	ug/kg	58.1	14.9	1	06/24/26 09:36	06/25/26 01:23	563-58-6	H1
cis-1,3-Dichloropropene	**<19.7**	ug/kg	58.1	19.7	1	06/24/26 09:36	06/25/26 01:23	10061-01-5	H1
trans-1,3-Dichloropropene	**<18.1**	ug/kg	58.1	18.1	1	06/24/26 09:36	06/25/26 01:23	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<40.1**	ug/kg	232	40.1	1	06/24/26 09:36	06/25/26 01:23	60-29-7	H1
Ethylbenzene	**<19.5**	ug/kg	58.1	19.5	1	06/24/26 09:36	06/25/26 01:23	100-41-4	H1
Hexachloro-1,3-butadiene	**<36.1**	ug/kg	290	36.1	1	06/24/26 09:36	06/25/26 01:23	87-68-3	H1
Isopropylbenzene (Cumene)	**<14.5**	ug/kg	58.1	14.5	1	06/24/26 09:36	06/25/26 01:23	98-82-8	H1
p-Isopropyltoluene	**<15.2**	ug/kg	58.1	15.2	1	06/24/26 09:36	06/25/26 01:23	99-87-6	H1
Methylene Chloride	**<115**	ug/kg	232	115	1	06/24/26 09:36	06/25/26 01:23	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<112**	ug/kg	290	112	1	06/24/26 09:36	06/25/26 01:23	108-10-1	H1
Methyl-tert-butyl ether	**<17.0**	ug/kg	58.1	17.0	1	06/24/26 09:36	06/25/26 01:23	1634-04-4	H1
Naphthalene	**55.3J**	ug/kg	232	23.2	1	06/24/26 09:36	06/25/26 01:23	91-20-3	H1
n-Propylbenzene	**<14.5**	ug/kg	58.1	14.5	1	06/24/26 09:36	06/25/26 01:23	103-65-1	H1
Styrene	**<18.7**	ug/kg	58.1	18.7	1	06/24/26 09:36	06/25/26 01:23	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<19.6**	ug/kg	58.1	19.6	1	06/24/26 09:36	06/25/26 01:23	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<15.0**	ug/kg	58.1	15.0	1	06/24/26 09:36	06/25/26 01:23	79-34-5	H1
Tetrachloroethene	**<20.2**	ug/kg	58.1	20.2	1	06/24/26 09:36	06/25/26 01:23	127-18-4	H1
Tetrahydrofuran	**<434**	ug/kg	2320	434	1	06/24/26 09:36	06/25/26 01:23	109-99-9	H1
Toluene	**153**	ug/kg	58.1	23.2	1	06/24/26 09:36	06/25/26 01:23	108-88-3	H1
1,2,3-Trichlorobenzene	**<18.1**	ug/kg	58.1	18.1	1	06/24/26 09:36	06/25/26 01:23	87-61-6	H1
1,2,4-Trichlorobenzene	**<18.8**	ug/kg	58.1	18.8	1	06/24/26 09:36	06/25/26 01:23	120-82-1	H1
1,1,1-Trichloroethane	**<18.2**	ug/kg	58.1	18.2	1	06/24/26 09:36	06/25/26 01:23	71-55-6	H1
1,1,2-Trichloroethane	**<17.5**	ug/kg	58.1	17.5	1	06/24/26 09:36	06/25/26 01:23	79-00-5	H1
Trichloroethene	**<15.7**	ug/kg	58.1	15.7	1	06/24/26 09:36	06/25/26 01:23	79-01-6	H1
Trichlorofluoromethane	**<68.2**	ug/kg	232	68.2	1	06/24/26 09:36	06/25/26 01:23	75-69-4	H1
1,2,3-Trichloropropane	**<20.2**	ug/kg	232	20.2	1	06/24/26 09:36	06/25/26 01:23	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<23.6**	ug/kg	232	23.6	1	06/24/26 09:36	06/25/26 01:23	76-13-1	H1
1,2,4-Trimethylbenzene	**26.3J**	ug/kg	58.1	16.8	1	06/24/26 09:36	06/25/26 01:23	95-63-6	H1
1,3,5-Trimethylbenzene	**<16.3**	ug/kg	58.1	16.3	1	06/24/26 09:36	06/25/26 01:23	108-67-8	H1
Vinyl chloride	**<10.7**	ug/kg	23.2	10.7	1	06/24/26 09:36	06/25/26 01:23	75-01-4	H1
Xylene (Total)	**109J**	ug/kg	174	33.0	1	06/24/26 09:36	06/25/26 01:23	1330-20-7	H1
m&p-Xylene	**64.6J**	ug/kg	116	33.0	1	06/24/26 09:36	06/25/26 01:23	179601-23-1	H1
o-Xylene	**44.7J**	ug/kg	58.1	18.1	1	06/24/26 09:36	06/25/26 01:23	95-47-6	H1
Surrogates									
Toluene-d8 (S)	102	%.	75-125		1	06/24/26 09:36	06/25/26 01:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP35-1_0-1 **Lab ID: 10776910005** Collected: 06/10/26 13:07 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/24/26 09:36	06/25/26 01:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/24/26 09:36	06/25/26 01:23	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP41-1_0-1 **Lab ID: 10776910006** Collected: 06/10/26 17:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.4**	ug/kg	50.0	12.4	1	06/15/26 09:16	06/17/26 10:03	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.7**	ug/kg	50.0	13.7	1	06/15/26 09:16	06/17/26 10:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.1**	ug/kg	50.0	16.1	1	06/15/26 09:16	06/17/26 10:03	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.3**	ug/kg	50.0	18.3	1	06/15/26 09:16	06/17/26 10:03	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.2**	ug/kg	50.0	15.2	1	06/15/26 09:16	06/17/26 10:03	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.9**	ug/kg	50.0	16.9	1	06/15/26 09:16	06/17/26 10:03	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.7**	ug/kg	50.0	14.7	1	06/15/26 09:16	06/17/26 10:03	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	75	%.	30-125		1	06/15/26 09:16	06/17/26 10:03	877-09-8	
Decachlorobiphenyl (S)	58	%.	30-125		1	06/15/26 09:16	06/17/26 10:03	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**4680**	mg/kg	422	118	10	06/15/26 17:07	06/19/26 18:57		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		10	06/15/26 17:07	06/19/26 18:57		CH, P3,S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**5.6J**	mg/kg	12.7	3.1	1	06/25/26 13:00	06/26/26 11:08		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	92	%.	80-200		1	06/25/26 13:00	06/26/26 11:08	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.7**	mg/kg	0.98	0.16	1	06/23/26 13:27	06/24/26 15:11	7440-38-2	
Barium	**45.2**	mg/kg	0.49	0.073	1	06/23/26 13:27	06/24/26 15:11	7440-39-3	
Cadmium	**0.20**	mg/kg	0.15	0.035	1	06/23/26 13:27	06/24/26 15:11	7440-43-9	
Chromium	**16.2**	mg/kg	0.49	0.15	1	06/23/26 13:27	06/24/26 15:11	7440-47-3	
Lead	**69.2**	mg/kg	0.49	0.22	1	06/23/26 13:27	06/24/26 15:11	7439-92-1	
Selenium	**<0.43**	mg/kg	0.98	0.43	1	06/23/26 13:27	06/24/26 15:11	7782-49-2	
Silver	**<0.039**	mg/kg	0.49	0.039	1	06/23/26 13:27	06/24/26 15:11	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.018J**	mg/kg	0.020	0.0085	1	06/23/26 14:32	06/24/26 09:39	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**1.1**	%	0.10	0.10	1		06/24/26 14:20		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP41-1_0-1 **Lab ID: 10776910006** Collected: 06/10/26 17:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**18.3**	ug/kg	9.6	1.1	1	06/15/26 08:46	06/17/26 05:20	83-32-9	
Acenaphthylene	**9.0J**	ug/kg	9.6	1.7	1	06/15/26 08:46	06/17/26 05:20	208-96-8	
Anthracene	**<1.1**	ug/kg	9.6	1.1	1	06/15/26 08:46	06/17/26 05:20	120-12-7	
Benzo(a)anthracene	**165**	ug/kg	9.6	1.8	1	06/15/26 08:46	06/17/26 05:20	56-55-3	
Benzo(a)pyrene	**67.6**	ug/kg	9.6	1.6	1	06/15/26 08:46	06/17/26 05:20	50-32-8	
Benzo(b)fluoranthene	**380**	ug/kg	9.6	2.2	1	06/15/26 08:46	06/17/26 05:20	205-99-2	
Benzo(g,h,i)perylene	**133**	ug/kg	9.6	2.1	1	06/15/26 08:46	06/17/26 05:20	191-24-2	
Benzo(k)fluoranthene	**130**	ug/kg	9.6	1.3	1	06/15/26 08:46	06/17/26 05:20	207-08-9	
Chrysene	**522**	ug/kg	9.6	1.2	1	06/15/26 08:46	06/17/26 05:20	218-01-9	
Dibenz(a,h)anthracene	**48.1**	ug/kg	9.6	1.4	1	06/15/26 08:46	06/17/26 05:20	53-70-3	
Fluoranthene	**928**	ug/kg	9.6	2.5	1	06/15/26 08:46	06/17/26 05:20	206-44-0	
Fluorene	**28.1**	ug/kg	9.6	1.1	1	06/15/26 08:46	06/17/26 05:20	86-73-7	
Indeno(1,2,3-cd)pyrene	**127**	ug/kg	9.6	2.0	1	06/15/26 08:46	06/17/26 05:20	193-39-5	
Naphthalene	**84.3**	ug/kg	9.6	3.4	1	06/15/26 08:46	06/17/26 05:20	91-20-3	
Phenanthrene	**1850**	ug/kg	48.1	10.5	5	06/15/26 08:46	06/17/26 04:35	85-01-8	
Pyrene	**639**	ug/kg	9.6	2.0	1	06/15/26 08:46	06/17/26 05:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%.	61-125		1	06/15/26 08:46	06/17/26 05:20	321-60-8	S5
p-Terphenyl-d14 (S)	71	%.	61-125		1	06/15/26 08:46	06/17/26 05:20	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<372**	ug/kg	1160	372	1	06/24/26 09:36	06/26/26 13:45	67-64-1	H1
Allyl chloride	**<102**	ug/kg	232	102	1	06/24/26 09:36	06/26/26 13:45	107-05-1	H1
Benzene	**33.8**	ug/kg	23.2	7.8	1	06/24/26 09:36	06/26/26 13:45	71-43-2	H1
Bromobenzene	**<20.1**	ug/kg	58.0	20.1	1	06/24/26 09:36	06/26/26 13:45	108-86-1	H1
Bromochloromethane	**<18.3**	ug/kg	58.0	18.3	1	06/24/26 09:36	06/26/26 13:45	74-97-5	H1
Bromodichloromethane	**<23.7**	ug/kg	58.0	23.7	1	06/24/26 09:36	06/26/26 13:45	75-27-4	H1
Bromoform	**<111**	ug/kg	232	111	1	06/24/26 09:36	06/26/26 13:45	75-25-2	H1
Bromomethane	**<202**	ug/kg	580	202	1	06/24/26 09:36	06/26/26 13:45	74-83-9	H1
2-Butanone (MEK)	**<136**	ug/kg	290	136	1	06/24/26 09:36	06/26/26 13:45	78-93-3	H1
n-Butylbenzene	**25.1J**	ug/kg	58.0	20.3	1	06/24/26 09:36	06/26/26 13:45	104-51-8	H1
sec-Butylbenzene	**<15.0**	ug/kg	58.0	15.0	1	06/24/26 09:36	06/26/26 13:45	135-98-8	H1
tert-Butylbenzene	**<17.0**	ug/kg	58.0	17.0	1	06/24/26 09:36	06/26/26 13:45	98-06-6	H1
Carbon tetrachloride	**<21.2**	ug/kg	58.0	21.2	1	06/24/26 09:36	06/26/26 13:45	56-23-5	H1
Chlorobenzene	**<16.9**	ug/kg	58.0	16.9	1	06/24/26 09:36	06/26/26 13:45	108-90-7	H1
Chloroethane	**<160**	ug/kg	580	160	1	06/24/26 09:36	06/26/26 13:45	75-00-3	H1
Chloroform	**28.7J**	ug/kg	58.0	22.4	1	06/24/26 09:36	06/26/26 13:45	67-66-3	H1
Chloromethane	**<35.7**	ug/kg	232	35.7	1	06/24/26 09:36	06/26/26 13:45	74-87-3	H1
2-Chlorotoluene	**<16.5**	ug/kg	58.0	16.5	1	06/24/26 09:36	06/26/26 13:45	95-49-8	H1
4-Chlorotoluene	**<17.3**	ug/kg	58.0	17.3	1	06/24/26 09:36	06/26/26 13:45	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<96.6**	ug/kg	580	96.6	1	06/24/26 09:36	06/26/26 13:45	96-12-8	H1
Dibromochloromethane	**<57.4**	ug/kg	232	57.4	1	06/24/26 09:36	06/26/26 13:45	124-48-1	H1

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1700 Elm Street
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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP41-1_0-1 **Lab ID: 10776910006** Collected: 06/10/26 17:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<18.6**	ug/kg	58.0	18.6	1	06/24/26 09:36	06/26/26 13:45	106-93-4	H1
Dibromomethane	**<23.7**	ug/kg	58.0	23.7	1	06/24/26 09:36	06/26/26 13:45	74-95-3	H1
1,2-Dichlorobenzene	**<16.9**	ug/kg	58.0	16.9	1	06/24/26 09:36	06/26/26 13:45	95-50-1	H1
1,3-Dichlorobenzene	**<15.5**	ug/kg	58.0	15.5	1	06/24/26 09:36	06/26/26 13:45	541-73-1	H1
1,4-Dichlorobenzene	**<15.3**	ug/kg	58.0	15.3	1	06/24/26 09:36	06/26/26 13:45	106-46-7	H1
Dichlorodifluoromethane	**<31.0**	ug/kg	232	31.0	1	06/24/26 09:36	06/26/26 13:45	75-71-8	H1
1,1-Dichloroethane	**<16.0**	ug/kg	58.0	16.0	1	06/24/26 09:36	06/26/26 13:45	75-34-3	H1
1,2-Dichloroethane	**<16.1**	ug/kg	58.0	16.1	1	06/24/26 09:36	06/26/26 13:45	107-06-2	H1
1,1-Dichloroethene	**<15.4**	ug/kg	58.0	15.4	1	06/24/26 09:36	06/26/26 13:45	75-35-4	H1
cis-1,2-Dichloroethene	**<17.5**	ug/kg	58.0	17.5	1	06/24/26 09:36	06/26/26 13:45	156-59-2	H1
trans-1,2-Dichloroethene	**<15.4**	ug/kg	58.0	15.4	1	06/24/26 09:36	06/26/26 13:45	156-60-5	H1
Dichlorofluoromethane	**<85.1**	ug/kg	580	85.1	1	06/24/26 09:36	06/26/26 13:45	75-43-4	H1
1,2-Dichloropropane	**<17.6**	ug/kg	58.0	17.6	1	06/24/26 09:36	06/26/26 13:45	78-87-5	H1
1,3-Dichloropropane	**<18.3**	ug/kg	58.0	18.3	1	06/24/26 09:36	06/26/26 13:45	142-28-9	H1
2,2-Dichloropropane	**<25.4**	ug/kg	232	25.4	1	06/24/26 09:36	06/26/26 13:45	594-20-7	H1
1,1-Dichloropropene	**<14.8**	ug/kg	58.0	14.8	1	06/24/26 09:36	06/26/26 13:45	563-58-6	H1
cis-1,3-Dichloropropene	**<19.7**	ug/kg	58.0	19.7	1	06/24/26 09:36	06/26/26 13:45	10061-01-5	H1
trans-1,3-Dichloropropene	**<18.1**	ug/kg	58.0	18.1	1	06/24/26 09:36	06/26/26 13:45	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<40.0**	ug/kg	232	40.0	1	06/24/26 09:36	06/26/26 13:45	60-29-7	H1
Ethylbenzene	**30.2J**	ug/kg	58.0	19.5	1	06/24/26 09:36	06/26/26 13:45	100-41-4	H1
Hexachloro-1,3-butadiene	**<36.1**	ug/kg	290	36.1	1	06/24/26 09:36	06/26/26 13:45	87-68-3	H1
Isopropylbenzene (Cumene)	**16.5J**	ug/kg	58.0	14.5	1	06/24/26 09:36	06/26/26 13:45	98-82-8	H1
p-Isopropyltoluene	**<15.2**	ug/kg	58.0	15.2	1	06/24/26 09:36	06/26/26 13:45	99-87-6	H1
Methylene Chloride	**<115**	ug/kg	232	115	1	06/24/26 09:36	06/26/26 13:45	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<112**	ug/kg	290	112	1	06/24/26 09:36	06/26/26 13:45	108-10-1	H1
Methyl-tert-butyl ether	**<16.9**	ug/kg	58.0	16.9	1	06/24/26 09:36	06/26/26 13:45	1634-04-4	H1
Naphthalene	**244**	ug/kg	232	23.2	1	06/24/26 09:36	06/26/26 13:45	91-20-3	H1
n-Propylbenzene	**22.7J**	ug/kg	58.0	14.5	1	06/24/26 09:36	06/26/26 13:45	103-65-1	H1
Styrene	**<18.7**	ug/kg	58.0	18.7	1	06/24/26 09:36	06/26/26 13:45	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<19.6**	ug/kg	58.0	19.6	1	06/24/26 09:36	06/26/26 13:45	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<15.0**	ug/kg	58.0	15.0	1	06/24/26 09:36	06/26/26 13:45	79-34-5	H1
Tetrachloroethene	**<20.2**	ug/kg	58.0	20.2	1	06/24/26 09:36	06/26/26 13:45	127-18-4	H1
Tetrahydrofuran	**<434**	ug/kg	2320	434	1	06/24/26 09:36	06/26/26 13:45	109-99-9	H1
Toluene	**177**	ug/kg	58.0	23.2	1	06/24/26 09:36	06/26/26 13:45	108-88-3	H1
1,2,3-Trichlorobenzene	**<18.1**	ug/kg	58.0	18.1	1	06/24/26 09:36	06/26/26 13:45	87-61-6	H1
1,2,4-Trichlorobenzene	**<18.8**	ug/kg	58.0	18.8	1	06/24/26 09:36	06/26/26 13:45	120-82-1	H1
1,1,1-Trichloroethane	**<18.2**	ug/kg	58.0	18.2	1	06/24/26 09:36	06/26/26 13:45	71-55-6	H1
1,1,2-Trichloroethane	**<17.5**	ug/kg	58.0	17.5	1	06/24/26 09:36	06/26/26 13:45	79-00-5	H1
Trichloroethene	**<15.7**	ug/kg	58.0	15.7	1	06/24/26 09:36	06/26/26 13:45	79-01-6	H1
Trichlorofluoromethane	**<68.1**	ug/kg	232	68.1	1	06/24/26 09:36	06/26/26 13:45	75-69-4	H1
1,2,3-Trichloropropane	**<20.2**	ug/kg	232	20.2	1	06/24/26 09:36	06/26/26 13:45	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<23.5**	ug/kg	232	23.5	1	06/24/26 09:36	06/26/26 13:45	76-13-1	H1
1,2,4-Trimethylbenzene	**154**	ug/kg	58.0	16.8	1	06/24/26 09:36	06/26/26 13:45	95-63-6	H1

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP41-1_0-1 **Lab ID: 10776910006** Collected: 06/10/26 17:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**37.7J**	ug/kg	58.0	16.2	1	06/24/26 09:36	06/26/26 13:45	108-67-8	H1
Vinyl chloride	**<10.7**	ug/kg	23.2	10.7	1	06/24/26 09:36	06/26/26 13:45	75-01-4	H1,v2
Xylene (Total)	**373**	ug/kg	174	32.9	1	06/24/26 09:36	06/26/26 13:45	1330-20-7	H1
m&p-Xylene	**225**	ug/kg	116	32.9	1	06/24/26 09:36	06/26/26 13:45	179601-23-1	H1
o-Xylene	**148**	ug/kg	58.0	18.1	1	06/24/26 09:36	06/26/26 13:45	95-47-6	H1
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/24/26 09:36	06/26/26 13:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/24/26 09:36	06/26/26 13:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125		1	06/24/26 09:36	06/26/26 13:45	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP32-1_0-1 **Lab ID: 10776910007** Collected: 06/10/26 13:20 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**4.8**	%	0.10	0.10	1		06/24/26 14:20		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP33-1_0-1 **Lab ID: 10776910008** Collected: 06/10/26 13:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**4.4**	%	0.10	0.10	1		06/24/26 14:21		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP34-1_0-1 **Lab ID: 10776910009** Collected: 06/10/26 13:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**6.1**	%	0.10	0.10	1		06/24/26 14:21		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP35-2_1.8-2.8 **Lab ID: 10776910010** Collected: 06/10/26 13:42 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.9**	ug/kg	56.0	13.9	1	06/15/26 09:16	06/17/26 10:20	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.4**	ug/kg	56.0	15.4	1	06/15/26 09:16	06/17/26 10:20	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.0**	ug/kg	56.0	18.0	1	06/15/26 09:16	06/17/26 10:20	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.5**	ug/kg	56.0	20.5	1	06/15/26 09:16	06/17/26 10:20	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.0**	ug/kg	56.0	17.0	1	06/15/26 09:16	06/17/26 10:20	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.9**	ug/kg	56.0	18.9	1	06/15/26 09:16	06/17/26 10:20	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.5**	ug/kg	56.0	16.5	1	06/15/26 09:16	06/17/26 10:20	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	81	%.	30-125		1	06/15/26 09:16	06/17/26 10:20	877-09-8	
Decachlorobiphenyl (S)	50	%.	30-125		1	06/15/26 09:16	06/17/26 10:20	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**51.1**	mg/kg	11.7	3.3	1	06/15/26 17:07	06/19/26 20:00		T6,T7
Surrogates									
n-Triacontane (S)	101	%.	50-150		1	06/15/26 17:07	06/19/26 20:00		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**52.0**	mg/kg	14.8	3.6	1	06/25/26 13:00	06/26/26 11:30		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%.	80-200		1	06/25/26 13:00	06/26/26 11:30	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**11.8**	mg/kg	1.1	0.18	1	06/23/26 13:27	06/24/26 15:13	7440-38-2	
Barium	**70.1**	mg/kg	0.54	0.081	1	06/23/26 13:27	06/24/26 15:13	7440-39-3	
Cadmium	**0.12J**	mg/kg	0.16	0.038	1	06/23/26 13:27	06/24/26 15:13	7440-43-9	
Chromium	**10.5**	mg/kg	0.54	0.16	1	06/23/26 13:27	06/24/26 15:13	7440-47-3	
Lead	**261**	mg/kg	0.54	0.25	1	06/23/26 13:27	06/24/26 15:13	7439-92-1	
Selenium	**1.8**	mg/kg	1.1	0.48	1	06/23/26 13:27	06/24/26 15:13	7782-49-2	
Silver	**<0.044**	mg/kg	0.54	0.044	1	06/23/26 13:27	06/24/26 15:13	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**2.5**	mg/kg	0.11	0.048	5	06/23/26 14:32	06/24/26 10:17	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**10.8**	%	0.10	0.10	1		06/24/26 14:21		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP35-2_1.8-2.8 **Lab ID: 10776910010** Collected: 06/10/26 13:42 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**175**	ug/kg	10.8	1.2	1	06/15/26 08:46	06/16/26 09:10	83-32-9	
Acenaphthylene	**132**	ug/kg	10.8	1.9	1	06/15/26 08:46	06/16/26 09:10	208-96-8	
Anthracene	**240**	ug/kg	10.8	1.3	1	06/15/26 08:46	06/16/26 09:10	120-12-7	
Benzo(a)anthracene	**436**	ug/kg	10.8	2.0	1	06/15/26 08:46	06/16/26 09:10	56-55-3	
Benzo(a)pyrene	**193**	ug/kg	10.8	1.8	1	06/15/26 08:46	06/16/26 09:10	50-32-8	
Benzo(b)fluoranthene	**396**	ug/kg	10.8	2.5	1	06/15/26 08:46	06/16/26 09:10	205-99-2	
Benzo(g,h,i)perylene	**150**	ug/kg	10.8	2.4	1	06/15/26 08:46	06/16/26 09:10	191-24-2	
Benzo(k)fluoranthene	**78.7**	ug/kg	10.8	1.4	1	06/15/26 08:46	06/16/26 09:10	207-08-9	
Chrysene	**618**	ug/kg	10.8	1.4	1	06/15/26 08:46	06/16/26 09:10	218-01-9	
Dibenz(a,h)anthracene	**56.1**	ug/kg	10.8	1.5	1	06/15/26 08:46	06/16/26 09:10	53-70-3	
Fluoranthene	**442**	ug/kg	10.8	2.8	1	06/15/26 08:46	06/16/26 09:10	206-44-0	
Fluorene	**190**	ug/kg	10.8	1.2	1	06/15/26 08:46	06/16/26 09:10	86-73-7	
Indeno(1,2,3-cd)pyrene	**105**	ug/kg	10.8	2.2	1	06/15/26 08:46	06/16/26 09:10	193-39-5	
Naphthalene	**7520**	ug/kg	108	38.4	10	06/15/26 08:46	06/17/26 04:12	91-20-3	
Phenanthrene	**4470**	ug/kg	108	23.5	10	06/15/26 08:46	06/17/26 04:12	85-01-8	
Pyrene	**533**	ug/kg	10.8	2.2	1	06/15/26 08:46	06/16/26 09:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%.	61-125		1	06/15/26 08:46	06/16/26 09:10	321-60-8	
p-Terphenyl-d14 (S)	66	%.	61-125		1	06/15/26 08:46	06/16/26 09:10	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**693J**	ug/kg	1350	432	1	06/24/26 09:36	06/25/26 01:39	67-64-1	H1
Allyl chloride	**<119**	ug/kg	269	119	1	06/24/26 09:36	06/25/26 01:39	107-05-1	H1
Benzene	**462**	ug/kg	26.9	9.1	1	06/24/26 09:36	06/25/26 01:39	71-43-2	H1
Bromobenzene	**<23.3**	ug/kg	67.3	23.3	1	06/24/26 09:36	06/25/26 01:39	108-86-1	H1
Bromochloromethane	**<21.3**	ug/kg	67.3	21.3	1	06/24/26 09:36	06/25/26 01:39	74-97-5	H1
Bromodichloromethane	**<27.5**	ug/kg	67.3	27.5	1	06/24/26 09:36	06/25/26 01:39	75-27-4	H1
Bromoform	**<129**	ug/kg	269	129	1	06/24/26 09:36	06/25/26 01:39	75-25-2	H1
Bromomethane	**<234**	ug/kg	673	234	1	06/24/26 09:36	06/25/26 01:39	74-83-9	H1
2-Butanone (MEK)	**234J**	ug/kg	337	158	1	06/24/26 09:36	06/25/26 01:39	78-93-3	H1
n-Butylbenzene	**104**	ug/kg	67.3	23.6	1	06/24/26 09:36	06/25/26 01:39	104-51-8	H1
sec-Butylbenzene	**53.8J**	ug/kg	67.3	17.4	1	06/24/26 09:36	06/25/26 01:39	135-98-8	H1
tert-Butylbenzene	**<19.8**	ug/kg	67.3	19.8	1	06/24/26 09:36	06/25/26 01:39	98-06-6	H1
Carbon tetrachloride	**<24.6**	ug/kg	67.3	24.6	1	06/24/26 09:36	06/25/26 01:39	56-23-5	H1
Chlorobenzene	**<19.7**	ug/kg	67.3	19.7	1	06/24/26 09:36	06/25/26 01:39	108-90-7	H1
Chloroethane	**<186**	ug/kg	673	186	1	06/24/26 09:36	06/25/26 01:39	75-00-3	H1
Chloroform	**<26.0**	ug/kg	67.3	26.0	1	06/24/26 09:36	06/25/26 01:39	67-66-3	H1
Chloromethane	**<41.5**	ug/kg	269	41.5	1	06/24/26 09:36	06/25/26 01:39	74-87-3	H1
2-Chlorotoluene	**<19.1**	ug/kg	67.3	19.1	1	06/24/26 09:36	06/25/26 01:39	95-49-8	H1
4-Chlorotoluene	**<20.1**	ug/kg	67.3	20.1	1	06/24/26 09:36	06/25/26 01:39	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<112**	ug/kg	673	112	1	06/24/26 09:36	06/25/26 01:39	96-12-8	H1
Dibromochloromethane	**<66.7**	ug/kg	269	66.7	1	06/24/26 09:36	06/25/26 01:39	124-48-1	H1

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP35-2_1.8-2.8 **Lab ID: 10776910010** Collected: 06/10/26 13:42 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<21.6**	ug/kg	67.3	21.6	1	06/24/26 09:36	06/25/26 01:39	106-93-4	H1
Dibromomethane	**<27.5**	ug/kg	67.3	27.5	1	06/24/26 09:36	06/25/26 01:39	74-95-3	H1
1,2-Dichlorobenzene	**<19.7**	ug/kg	67.3	19.7	1	06/24/26 09:36	06/25/26 01:39	95-50-1	H1
1,3-Dichlorobenzene	**<18.0**	ug/kg	67.3	18.0	1	06/24/26 09:36	06/25/26 01:39	541-73-1	H1
1,4-Dichlorobenzene	**<17.8**	ug/kg	67.3	17.8	1	06/24/26 09:36	06/25/26 01:39	106-46-7	H1
Dichlorodifluoromethane	**<36.0**	ug/kg	269	36.0	1	06/24/26 09:36	06/25/26 01:39	75-71-8	H1
1,1-Dichloroethane	**<18.6**	ug/kg	67.3	18.6	1	06/24/26 09:36	06/25/26 01:39	75-34-3	H1
1,2-Dichloroethane	**<18.7**	ug/kg	67.3	18.7	1	06/24/26 09:36	06/25/26 01:39	107-06-2	H1
1,1-Dichloroethene	**<17.9**	ug/kg	67.3	17.9	1	06/24/26 09:36	06/25/26 01:39	75-35-4	H1
cis-1,2-Dichloroethene	**<20.3**	ug/kg	67.3	20.3	1	06/24/26 09:36	06/25/26 01:39	156-59-2	H1
trans-1,2-Dichloroethene	**<17.9**	ug/kg	67.3	17.9	1	06/24/26 09:36	06/25/26 01:39	156-60-5	H1
Dichlorofluoromethane	**<98.9**	ug/kg	673	98.9	1	06/24/26 09:36	06/25/26 01:39	75-43-4	H1
1,2-Dichloropropane	**<20.5**	ug/kg	67.3	20.5	1	06/24/26 09:36	06/25/26 01:39	78-87-5	H1
1,3-Dichloropropane	**<21.3**	ug/kg	67.3	21.3	1	06/24/26 09:36	06/25/26 01:39	142-28-9	H1
2,2-Dichloropropane	**<29.5**	ug/kg	269	29.5	1	06/24/26 09:36	06/25/26 01:39	594-20-7	H1
1,1-Dichloropropene	**<17.2**	ug/kg	67.3	17.2	1	06/24/26 09:36	06/25/26 01:39	563-58-6	H1
cis-1,3-Dichloropropene	**<22.9**	ug/kg	67.3	22.9	1	06/24/26 09:36	06/25/26 01:39	10061-01-5	H1
trans-1,3-Dichloropropene	**<21.0**	ug/kg	67.3	21.0	1	06/24/26 09:36	06/25/26 01:39	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<46.5**	ug/kg	269	46.5	1	06/24/26 09:36	06/25/26 01:39	60-29-7	H1
Ethylbenzene	**465**	ug/kg	67.3	22.6	1	06/24/26 09:36	06/25/26 01:39	100-41-4	H1
Hexachloro-1,3-butadiene	**<41.9**	ug/kg	337	41.9	1	06/24/26 09:36	06/25/26 01:39	87-68-3	H1
Isopropylbenzene (Cumene)	**174**	ug/kg	67.3	16.8	1	06/24/26 09:36	06/25/26 01:39	98-82-8	H1
p-Isopropyltoluene	**73.5**	ug/kg	67.3	17.6	1	06/24/26 09:36	06/25/26 01:39	99-87-6	H1
Methylene Chloride	**<134**	ug/kg	269	134	1	06/24/26 09:36	06/25/26 01:39	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<130**	ug/kg	337	130	1	06/24/26 09:36	06/25/26 01:39	108-10-1	H1
Methyl-tert-butyl ether	**<19.7**	ug/kg	67.3	19.7	1	06/24/26 09:36	06/25/26 01:39	1634-04-4	H1
Naphthalene	**1780**	ug/kg	269	26.9	1	06/24/26 09:36	06/25/26 01:39	91-20-3	H1
n-Propylbenzene	**234**	ug/kg	67.3	16.8	1	06/24/26 09:36	06/25/26 01:39	103-65-1	H1
Styrene	**<21.7**	ug/kg	67.3	21.7	1	06/24/26 09:36	06/25/26 01:39	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<22.8**	ug/kg	67.3	22.8	1	06/24/26 09:36	06/25/26 01:39	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<17.4**	ug/kg	67.3	17.4	1	06/24/26 09:36	06/25/26 01:39	79-34-5	H1
Tetrachloroethene	**<23.4**	ug/kg	67.3	23.4	1	06/24/26 09:36	06/25/26 01:39	127-18-4	H1
Tetrahydrofuran	**<504**	ug/kg	2690	504	1	06/24/26 09:36	06/25/26 01:39	109-99-9	H1
Toluene	**2220**	ug/kg	67.3	26.9	1	06/24/26 09:36	06/25/26 01:39	108-88-3	H1
1,2,3-Trichlorobenzene	**<21.0**	ug/kg	67.3	21.0	1	06/24/26 09:36	06/25/26 01:39	87-61-6	H1
1,2,4-Trichlorobenzene	**<21.8**	ug/kg	67.3	21.8	1	06/24/26 09:36	06/25/26 01:39	120-82-1	H1
1,1,1-Trichloroethane	**<21.1**	ug/kg	67.3	21.1	1	06/24/26 09:36	06/25/26 01:39	71-55-6	H1
1,1,2-Trichloroethane	**<20.3**	ug/kg	67.3	20.3	1	06/24/26 09:36	06/25/26 01:39	79-00-5	H1
Trichloroethene	**<18.2**	ug/kg	67.3	18.2	1	06/24/26 09:36	06/25/26 01:39	79-01-6	H1
Trichlorofluoromethane	**<79.1**	ug/kg	269	79.1	1	06/24/26 09:36	06/25/26 01:39	75-69-4	H1
1,2,3-Trichloropropane	**<23.4**	ug/kg	269	23.4	1	06/24/26 09:36	06/25/26 01:39	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<27.3**	ug/kg	269	27.3	1	06/24/26 09:36	06/25/26 01:39	76-13-1	H1
1,2,4-Trimethylbenzene	**1060**	ug/kg	67.3	19.5	1	06/24/26 09:36	06/25/26 01:39	95-63-6	H1

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP35-2_1.8-2.8 **Lab ID: 10776910010** Collected: 06/10/26 13:42 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**197**	ug/kg	67.3	18.9	1	06/24/26 09:36	06/25/26 01:39	108-67-8	H1
Vinyl chloride	**<12.4**	ug/kg	26.9	12.4	1	06/24/26 09:36	06/25/26 01:39	75-01-4	H1
Xylene (Total)	**3980**	ug/kg	202	38.3	1	06/24/26 09:36	06/25/26 01:39	1330-20-7	H1
m&p-Xylene	**2480**	ug/kg	135	38.3	1	06/24/26 09:36	06/25/26 01:39	179601-23-1	H1
o-Xylene	**1500**	ug/kg	67.3	21.0	1	06/24/26 09:36	06/25/26 01:39	95-47-6	H1
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/24/26 09:36	06/25/26 01:39	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/24/26 09:36	06/25/26 01:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/24/26 09:36	06/25/26 01:39	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP36-1_0-1 **Lab ID: 10776910011** Collected: 06/10/26 15:05 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**8.9**	%	0.10	0.10	1		06/24/26 14:21		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP38-1_0-1 **Lab ID: 10776910012** Collected: 06/10/26 15:15 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**8.4**	%	0.10	0.10	1		06/24/26 14:22		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP39-1_0-1 **Lab ID: 10776910013** Collected: 06/10/26 15:20 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**13.4**	%	0.10	0.10	1		06/24/26 14:22		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP40-2_11-12 **Lab ID: 10776910014** Collected: 06/10/26 16:20 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**296**	mg/kg	17.3	4.9	2	06/15/26 17:07	06/22/26 15:35		T7
Surrogates									
n-Triacontane (S)	113	%.	50-150		2	06/15/26 17:07	06/22/26 15:35		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**1390**	mg/kg	276	67.7	20	06/25/26 13:00	06/27/26 01:58		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	114	%.	80-200		20	06/25/26 13:00	06/27/26 01:58	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**14.7**	%	0.10	0.10	1		06/24/26 14:22		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<426**	ug/kg	1330	426	1	06/24/26 09:36	06/25/26 01:56	67-64-1	H1
Allyl chloride	**<117**	ug/kg	265	117	1	06/24/26 09:36	06/25/26 01:56	107-05-1	H1
Benzene	**275**	ug/kg	26.5	8.9	1	06/24/26 09:36	06/25/26 01:56	71-43-2	H1
Bromobenzene	**<22.9**	ug/kg	66.3	22.9	1	06/24/26 09:36	06/25/26 01:56	108-86-1	H1
Bromochloromethane	**<21.0**	ug/kg	66.3	21.0	1	06/24/26 09:36	06/25/26 01:56	74-97-5	H1
Bromodichloromethane	**<27.1**	ug/kg	66.3	27.1	1	06/24/26 09:36	06/25/26 01:56	75-27-4	H1
Bromoform	**<127**	ug/kg	265	127	1	06/24/26 09:36	06/25/26 01:56	75-25-2	H1
Bromomethane	**<231**	ug/kg	663	231	1	06/24/26 09:36	06/25/26 01:56	74-83-9	H1
2-Butanone (MEK)	**<155**	ug/kg	332	155	1	06/24/26 09:36	06/25/26 01:56	78-93-3	H1
n-Butylbenzene	**12200**	ug/kg	66.3	23.2	1	06/24/26 09:36	06/25/26 01:56	104-51-8	H1
sec-Butylbenzene	**3730**	ug/kg	66.3	17.1	1	06/24/26 09:36	06/25/26 01:56	135-98-8	H1
tert-Butylbenzene	**<19.5**	ug/kg	66.3	19.5	1	06/24/26 09:36	06/25/26 01:56	98-06-6	H1
Carbon tetrachloride	**<24.3**	ug/kg	66.3	24.3	1	06/24/26 09:36	06/25/26 01:56	56-23-5	H1
Chlorobenzene	**<19.4**	ug/kg	66.3	19.4	1	06/24/26 09:36	06/25/26 01:56	108-90-7	H1
Chloroethane	**<183**	ug/kg	663	183	1	06/24/26 09:36	06/25/26 01:56	75-00-3	H1
Chloroform	**<25.6**	ug/kg	66.3	25.6	1	06/24/26 09:36	06/25/26 01:56	67-66-3	H1
Chloromethane	**<40.8**	ug/kg	265	40.8	1	06/24/26 09:36	06/25/26 01:56	74-87-3	H1
2-Chlorotoluene	**<18.8**	ug/kg	66.3	18.8	1	06/24/26 09:36	06/25/26 01:56	95-49-8	H1
4-Chlorotoluene	**<19.8**	ug/kg	66.3	19.8	1	06/24/26 09:36	06/25/26 01:56	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<110**	ug/kg	663	110	1	06/24/26 09:36	06/25/26 01:56	96-12-8	H1
Dibromochloromethane	**<65.6**	ug/kg	265	65.6	1	06/24/26 09:36	06/25/26 01:56	124-48-1	H1
1,2-Dibromoethane (EDB)	**<21.2**	ug/kg	66.3	21.2	1	06/24/26 09:36	06/25/26 01:56	106-93-4	H1
Dibromomethane	**<27.1**	ug/kg	66.3	27.1	1	06/24/26 09:36	06/25/26 01:56	74-95-3	H1
1,2-Dichlorobenzene	**<19.4**	ug/kg	66.3	19.4	1	06/24/26 09:36	06/25/26 01:56	95-50-1	H1
1,3-Dichlorobenzene	**<17.8**	ug/kg	66.3	17.8	1	06/24/26 09:36	06/25/26 01:56	541-73-1	H1
1,4-Dichlorobenzene	**<17.5**	ug/kg	66.3	17.5	1	06/24/26 09:36	06/25/26 01:56	106-46-7	H1
Dichlorodifluoromethane	**<35.4**	ug/kg	265	35.4	1	06/24/26 09:36	06/25/26 01:56	75-71-8	H1
1,1-Dichloroethane	**<18.3**	ug/kg	66.3	18.3	1	06/24/26 09:36	06/25/26 01:56	75-34-3	H1

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP40-2_11-12 **Lab ID: 10776910014** Collected: 06/10/26 16:20 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<18.4**	ug/kg	66.3	18.4	1	06/24/26 09:36	06/25/26 01:56	107-06-2	H1
1,1-Dichloroethene	**<17.6**	ug/kg	66.3	17.6	1	06/24/26 09:36	06/25/26 01:56	75-35-4	H1
cis-1,2-Dichloroethene	**<20.0**	ug/kg	66.3	20.0	1	06/24/26 09:36	06/25/26 01:56	156-59-2	H1
trans-1,2-Dichloroethene	**<17.6**	ug/kg	66.3	17.6	1	06/24/26 09:36	06/25/26 01:56	156-60-5	H1
Dichlorofluoromethane	**<97.3**	ug/kg	663	97.3	1	06/24/26 09:36	06/25/26 01:56	75-43-4	H1
1,2-Dichloropropane	**<20.2**	ug/kg	66.3	20.2	1	06/24/26 09:36	06/25/26 01:56	78-87-5	H1
1,3-Dichloropropane	**<21.0**	ug/kg	66.3	21.0	1	06/24/26 09:36	06/25/26 01:56	142-28-9	H1
2,2-Dichloropropane	**<29.0**	ug/kg	265	29.0	1	06/24/26 09:36	06/25/26 01:56	594-20-7	H1
1,1-Dichloropropene	**<17.0**	ug/kg	66.3	17.0	1	06/24/26 09:36	06/25/26 01:56	563-58-6	H1
cis-1,3-Dichloropropene	**<22.5**	ug/kg	66.3	22.5	1	06/24/26 09:36	06/25/26 01:56	10061-01-5	H1
trans-1,3-Dichloropropene	**<20.7**	ug/kg	66.3	20.7	1	06/24/26 09:36	06/25/26 01:56	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<45.7**	ug/kg	265	45.7	1	06/24/26 09:36	06/25/26 01:56	60-29-7	H1
Ethylbenzene	**44900**	ug/kg	1330	446	20	06/24/26 09:36	06/26/26 14:02	100-41-4	H1
Hexachloro-1,3-butadiene	**<41.2**	ug/kg	332	41.2	1	06/24/26 09:36	06/25/26 01:56	87-68-3	H1
Isopropylbenzene (Cumene)	**6080**	ug/kg	66.3	16.6	1	06/24/26 09:36	06/25/26 01:56	98-82-8	H1
p-Isopropyltoluene	**1910**	ug/kg	66.3	17.4	1	06/24/26 09:36	06/25/26 01:56	99-87-6	H1
Methylene Chloride	**<132**	ug/kg	265	132	1	06/24/26 09:36	06/25/26 01:56	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<128**	ug/kg	332	128	1	06/24/26 09:36	06/25/26 01:56	108-10-1	H1
Methyl-tert-butyl ether	**<19.4**	ug/kg	66.3	19.4	1	06/24/26 09:36	06/25/26 01:56	1634-04-4	H1
Naphthalene	**13500**	ug/kg	265	26.5	1	06/24/26 09:36	06/25/26 01:56	91-20-3	H1
n-Propylbenzene	**22400**	ug/kg	1330	332	20	06/24/26 09:36	06/26/26 14:02	103-65-1	H1
Styrene	**<21.3**	ug/kg	66.3	21.3	1	06/24/26 09:36	06/25/26 01:56	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<22.4**	ug/kg	66.3	22.4	1	06/24/26 09:36	06/25/26 01:56	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<17.1**	ug/kg	66.3	17.1	1	06/24/26 09:36	06/25/26 01:56	79-34-5	H1
Tetrachloroethene	**<23.1**	ug/kg	66.3	23.1	1	06/24/26 09:36	06/25/26 01:56	127-18-4	H1
Tetrahydrofuran	**<496**	ug/kg	2650	496	1	06/24/26 09:36	06/25/26 01:56	109-99-9	H1
Toluene	**35800**	ug/kg	1330	530	20	06/24/26 09:36	06/26/26 14:02	108-88-3	H1
1,2,3-Trichlorobenzene	**<20.7**	ug/kg	66.3	20.7	1	06/24/26 09:36	06/25/26 01:56	87-61-6	H1
1,2,4-Trichlorobenzene	**<21.5**	ug/kg	66.3	21.5	1	06/24/26 09:36	06/25/26 01:56	120-82-1	H1
1,1,1-Trichloroethane	**<20.8**	ug/kg	66.3	20.8	1	06/24/26 09:36	06/25/26 01:56	71-55-6	H1
1,1,2-Trichloroethane	**<20.0**	ug/kg	66.3	20.0	1	06/24/26 09:36	06/25/26 01:56	79-00-5	H1
Trichloroethene	**<17.9**	ug/kg	66.3	17.9	1	06/24/26 09:36	06/25/26 01:56	79-01-6	H1
Trichlorofluoromethane	**<77.8**	ug/kg	265	77.8	1	06/24/26 09:36	06/25/26 01:56	75-69-4	H1
1,2,3-Trichloropropane	**<23.1**	ug/kg	265	23.1	1	06/24/26 09:36	06/25/26 01:56	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<26.9**	ug/kg	265	26.9	1	06/24/26 09:36	06/25/26 01:56	76-13-1	H1
1,2,4-Trimethylbenzene	**94000**	ug/kg	1330	385	20	06/24/26 09:36	06/26/26 14:02	95-63-6	H1
1,3,5-Trimethylbenzene	**25000**	ug/kg	1330	371	20	06/24/26 09:36	06/26/26 14:02	108-67-8	H1
Vinyl chloride	**<12.2**	ug/kg	26.5	12.2	1	06/24/26 09:36	06/25/26 01:56	75-01-4	H1
Xylene (Total)	**182000**	ug/kg	3980	753	20	06/24/26 09:36	06/26/26 14:02	1330-20-7	H1
m&p-Xylene	**129000**	ug/kg	2650	753	20	06/24/26 09:36	06/26/26 14:02	179601-23-1	H1
o-Xylene	**52400**	ug/kg	1330	414	20	06/24/26 09:36	06/26/26 14:02	95-47-6	H1
Surrogates									
Toluene-d8 (S)	106	%.	75-125		1	06/24/26 09:36	06/25/26 01:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: B-TP40-2_11-12 **Lab ID: 10776910014** Collected: 06/10/26 16:20 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	115	%.	75-125		1	06/24/26 09:36	06/25/26 01:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%.	75-125		1	06/24/26 09:36	06/25/26 01:56	2199-69-1	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: Trip Blank-02 **Lab ID: 10776910015** Collected: 06/10/26 13:07 Received: 06/11/26 10:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.4**	mg/kg	10.0	2.4	1	06/25/26 13:00	06/27/26 01:37		
Surrogates									
a,a,a-Trifluorotoluene (S)	95	%.	80-200		1	06/25/26 13:00	06/27/26 01:37	98-08-8	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<321**	ug/kg	1000	321	1	06/24/26 09:36	06/24/26 21:31	67-64-1	
Allyl chloride	**<88.2**	ug/kg	200	88.2	1	06/24/26 09:36	06/24/26 21:31	107-05-1	
Benzene	**<6.7**	ug/kg	20.0	6.7	1	06/24/26 09:36	06/24/26 21:31	71-43-2	
Bromobenzene	**<17.3**	ug/kg	50.0	17.3	1	06/24/26 09:36	06/24/26 21:31	108-86-1	
Bromochloromethane	**<15.8**	ug/kg	50.0	15.8	1	06/24/26 09:36	06/24/26 21:31	74-97-5	
Bromodichloromethane	**<20.4**	ug/kg	50.0	20.4	1	06/24/26 09:36	06/24/26 21:31	75-27-4	
Bromoform	**<95.5**	ug/kg	200	95.5	1	06/24/26 09:36	06/24/26 21:31	75-25-2	
Bromomethane	**<174**	ug/kg	500	174	1	06/24/26 09:36	06/24/26 21:31	74-83-9	
2-Butanone (MEK)	**<117**	ug/kg	250	117	1	06/24/26 09:36	06/24/26 21:31	78-93-3	
n-Butylbenzene	**<17.5**	ug/kg	50.0	17.5	1	06/24/26 09:36	06/24/26 21:31	104-51-8	
sec-Butylbenzene	**<12.9**	ug/kg	50.0	12.9	1	06/24/26 09:36	06/24/26 21:31	135-98-8	
tert-Butylbenzene	**<14.7**	ug/kg	50.0	14.7	1	06/24/26 09:36	06/24/26 21:31	98-06-6	
Carbon tetrachloride	**<18.3**	ug/kg	50.0	18.3	1	06/24/26 09:36	06/24/26 21:31	56-23-5	
Chlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/24/26 09:36	06/24/26 21:31	108-90-7	
Chloroethane	**<138**	ug/kg	500	138	1	06/24/26 09:36	06/24/26 21:31	75-00-3	
Chloroform	**<19.3**	ug/kg	50.0	19.3	1	06/24/26 09:36	06/24/26 21:31	67-66-3	
Chloromethane	**<30.8**	ug/kg	200	30.8	1	06/24/26 09:36	06/24/26 21:31	74-87-3	
2-Chlorotoluene	**<14.2**	ug/kg	50.0	14.2	1	06/24/26 09:36	06/24/26 21:31	95-49-8	
4-Chlorotoluene	**<14.9**	ug/kg	50.0	14.9	1	06/24/26 09:36	06/24/26 21:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<83.3**	ug/kg	500	83.3	1	06/24/26 09:36	06/24/26 21:31	96-12-8	
Dibromochloromethane	**<49.5**	ug/kg	200	49.5	1	06/24/26 09:36	06/24/26 21:31	124-48-1	
1,2-Dibromoethane (EDB)	**<16.0**	ug/kg	50.0	16.0	1	06/24/26 09:36	06/24/26 21:31	106-93-4	
Dibromomethane	**<20.4**	ug/kg	50.0	20.4	1	06/24/26 09:36	06/24/26 21:31	74-95-3	
1,2-Dichlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/24/26 09:36	06/24/26 21:31	95-50-1	
1,3-Dichlorobenzene	**<13.4**	ug/kg	50.0	13.4	1	06/24/26 09:36	06/24/26 21:31	541-73-1	
1,4-Dichlorobenzene	**<13.2**	ug/kg	50.0	13.2	1	06/24/26 09:36	06/24/26 21:31	106-46-7	
Dichlorodifluoromethane	**<26.7**	ug/kg	200	26.7	1	06/24/26 09:36	06/24/26 21:31	75-71-8	
1,1-Dichloroethane	**<13.8**	ug/kg	50.0	13.8	1	06/24/26 09:36	06/24/26 21:31	75-34-3	
1,2-Dichloroethane	**<13.9**	ug/kg	50.0	13.9	1	06/24/26 09:36	06/24/26 21:31	107-06-2	
1,1-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/24/26 09:36	06/24/26 21:31	75-35-4	
cis-1,2-Dichloroethene	**<15.1**	ug/kg	50.0	15.1	1	06/24/26 09:36	06/24/26 21:31	156-59-2	
trans-1,2-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/24/26 09:36	06/24/26 21:31	156-60-5	
Dichlorofluoromethane	**<73.4**	ug/kg	500	73.4	1	06/24/26 09:36	06/24/26 21:31	75-43-4	
1,2-Dichloropropane	**<15.2**	ug/kg	50.0	15.2	1	06/24/26 09:36	06/24/26 21:31	78-87-5	
1,3-Dichloropropane	**<15.8**	ug/kg	50.0	15.8	1	06/24/26 09:36	06/24/26 21:31	142-28-9	
2,2-Dichloropropane	**<21.9**	ug/kg	200	21.9	1	06/24/26 09:36	06/24/26 21:31	594-20-7	
1,1-Dichloropropene	**<12.8**	ug/kg	50.0	12.8	1	06/24/26 09:36	06/24/26 21:31	563-58-6	
cis-1,3-Dichloropropene	**<17.0**	ug/kg	50.0	17.0	1	06/24/26 09:36	06/24/26 21:31	10061-01-5	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Sample: Trip Blank-02 **Lab ID: 10776910015** Collected: 06/10/26 13:07 Received: 06/11/26 10:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
trans-1,3-Dichloropropene	**<15.6**	ug/kg	50.0	15.6	1	06/24/26 09:36	06/24/26 21:31	10061-02-6	
Diethyl ether (Ethyl ether)	**<34.5**	ug/kg	200	34.5	1	06/24/26 09:36	06/24/26 21:31	60-29-7	
Ethylbenzene	**<16.8**	ug/kg	50.0	16.8	1	06/24/26 09:36	06/24/26 21:31	100-41-4	
Hexachloro-1,3-butadiene	**<31.1**	ug/kg	250	31.1	1	06/24/26 09:36	06/24/26 21:31	87-68-3	
Isopropylbenzene (Cumene)	**<12.5**	ug/kg	50.0	12.5	1	06/24/26 09:36	06/24/26 21:31	98-82-8	
p-Isopropyltoluene	**<13.1**	ug/kg	50.0	13.1	1	06/24/26 09:36	06/24/26 21:31	99-87-6	
Methylene Chloride	**<99.3**	ug/kg	200	99.3	1	06/24/26 09:36	06/24/26 21:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<96.6**	ug/kg	250	96.6	1	06/24/26 09:36	06/24/26 21:31	108-10-1	
Methyl-tert-butyl ether	**<14.6**	ug/kg	50.0	14.6	1	06/24/26 09:36	06/24/26 21:31	1634-04-4	
Naphthalene	**<20.0**	ug/kg	200	20.0	1	06/24/26 09:36	06/24/26 21:31	91-20-3	
n-Propylbenzene	**<12.5**	ug/kg	50.0	12.5	1	06/24/26 09:36	06/24/26 21:31	103-65-1	
Styrene	**<16.1**	ug/kg	50.0	16.1	1	06/24/26 09:36	06/24/26 21:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.9**	ug/kg	50.0	16.9	1	06/24/26 09:36	06/24/26 21:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<12.9**	ug/kg	50.0	12.9	1	06/24/26 09:36	06/24/26 21:31	79-34-5	
Tetrachloroethene	**<17.4**	ug/kg	50.0	17.4	1	06/24/26 09:36	06/24/26 21:31	127-18-4	
Tetrahydrofuran	**<374**	ug/kg	2000	374	1	06/24/26 09:36	06/24/26 21:31	109-99-9	
Toluene	**<20.0**	ug/kg	50.0	20.0	1	06/24/26 09:36	06/24/26 21:31	108-88-3	
1,2,3-Trichlorobenzene	**<15.6**	ug/kg	50.0	15.6	1	06/24/26 09:36	06/24/26 21:31	87-61-6	
1,2,4-Trichlorobenzene	**<16.2**	ug/kg	50.0	16.2	1	06/24/26 09:36	06/24/26 21:31	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	50.0	15.7	1	06/24/26 09:36	06/24/26 21:31	71-55-6	
1,1,2-Trichloroethane	**<15.1**	ug/kg	50.0	15.1	1	06/24/26 09:36	06/24/26 21:31	79-00-5	
Trichloroethene	**<13.5**	ug/kg	50.0	13.5	1	06/24/26 09:36	06/24/26 21:31	79-01-6	
Trichlorofluoromethane	**<58.7**	ug/kg	200	58.7	1	06/24/26 09:36	06/24/26 21:31	75-69-4	
1,2,3-Trichloropropane	**<17.4**	ug/kg	200	17.4	1	06/24/26 09:36	06/24/26 21:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<20.3**	ug/kg	200	20.3	1	06/24/26 09:36	06/24/26 21:31	76-13-1	
1,2,4-Trimethylbenzene	**<14.5**	ug/kg	50.0	14.5	1	06/24/26 09:36	06/24/26 21:31	95-63-6	
1,3,5-Trimethylbenzene	**<14.0**	ug/kg	50.0	14.0	1	06/24/26 09:36	06/24/26 21:31	108-67-8	
Vinyl chloride	**<9.2**	ug/kg	20.0	9.2	1	06/24/26 09:36	06/24/26 21:31	75-01-4	
Xylene (Total)	**<28.4**	ug/kg	150	28.4	1	06/24/26 09:36	06/24/26 21:31	1330-20-7	
m&p-Xylene	**<28.4**	ug/kg	100	28.4	1	06/24/26 09:36	06/24/26 21:31	179601-23-1	
o-Xylene	**<15.6**	ug/kg	50.0	15.6	1	06/24/26 09:36	06/24/26 21:31	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/24/26 09:36	06/24/26 21:31	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/24/26 09:36	06/24/26 21:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/24/26 09:36	06/24/26 21:31	2199-69-1	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

QC Batch: 1072135
QC Batch Method: EPA 5030 Medium Soil
Analysis Method: WI MOD GRO
Analysis Description: WIGRO Solid GCV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10776910002, 10776910003, 10776910005, 10776910006, 10776910010, 10776910014, 10776910015

METHOD BLANK: 5571972 Matrix: Solid

Associated Lab Samples: 10776910002, 10776910003, 10776910005, 10776910006, 10776910010, 10776910014, 10776910015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.4	10.0	2.4	06/26/26 07:54	
a,a,a-Trifluorotoluene (S)	%.	93	80-200		06/26/26 07:54	

LABORATORY CONTROL SAMPLE & LCSD: 5571973 5571974

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	47.6	46.6	95	93	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%.				92	98	80-200			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

QC Batch: 1071108
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10776910001, 10776910004, 10776910006, 10776910010

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METHOD BLANK: 5566558 Matrix: Solid

Associated Lab Samples: 10776910001, 10776910004, 10776910006, 10776910010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.0080	0.018	0.0080	06/24/26 09:29	

LABORATORY CONTROL SAMPLE: 5566559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.44	0.47	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5566560 5566561

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.040	0.45	0.46	0.50	0.50	102	98	80-120	1	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

QC Batch: 1071101
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10776910001, 10776910004, 10776910006, 10776910010

METHOD BLANK: 5566500 Matrix: Solid

Associated Lab Samples: 10776910001, 10776910004, 10776910006, 10776910010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.16	0.96	0.16	06/24/26 14:37	
Barium	mg/kg	0.10J	0.48	0.071	06/24/26 14:37	
Cadmium	mg/kg	<0.034	0.14	0.034	06/24/26 14:37	
Chromium	mg/kg	<0.14	0.48	0.14	06/24/26 14:37	
Lead	mg/kg	<0.22	0.48	0.22	06/24/26 14:37	
Selenium	mg/kg	<0.42	0.96	0.42	06/24/26 14:37	
Silver	mg/kg	<0.038	0.48	0.038	06/24/26 14:37	

LABORATORY CONTROL SAMPLE: 5566501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	47.8	47.2	99	80-120	
Barium	mg/kg	47.8	50.9	106	80-120	
Cadmium	mg/kg	47.8	47.8	100	80-120	
Chromium	mg/kg	47.8	50.4	105	80-120	
Lead	mg/kg	47.8	47.7	100	80-120	
Selenium	mg/kg	47.8	43.8	91	80-120	
Silver	mg/kg	23.9	22.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5566502 5566503

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	3.3	50.7	49.2	47.1	44.9	86	85	75-125	5	20	
Barium	mg/kg	33.5	50.7	49.2	89.9	79.8	111	94	75-125	12	20	
Cadmium	mg/kg	0.64	50.7	49.2	44.8	43.6	87	87	75-125	3	20	
Chromium	mg/kg	17.1	50.7	49.2	66.9	62.3	98	92	75-125	7	20	
Lead	mg/kg	27.4	50.7	49.2	64.9	63.1	74	73	75-125	3	20	M1
Selenium	mg/kg	0.76J	50.7	49.2	38.6	35.9	75	71	75-125	7	20	M1
Silver	mg/kg	1.4	25.4	24.7	23.5	23.5	87	90	75-125	0	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

QC Batch	1071887	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight / %M by ASTM D2974
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10776910001, 10776910002, 10776910003, 10776910004, 10776910005, 10776910006, 10776910007, 10776910008, 10776910009, 10776910010, 10776910011, 10776910012, 10776910013, 10776910014

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SAMPLE DUPLICATE: 5571177

Parameter	Units	10776910005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.7	6.2	6	30	N2

SAMPLE DUPLICATE: 5571178

Parameter	Units	10776910014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.7	13.7	7	30	N2

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

QC Batch: 1071921
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 5030 Med Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10776910002, 10776910003, 10776910005, 10776910006, 10776910010, 10776910014, 10776910015

METHOD BLANK: 5570624 Matrix: Solid

Associated Lab Samples: 10776910002, 10776910003, 10776910005, 10776910006, 10776910010, 10776910014, 10776910015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<16.9	50.0	16.9	06/24/26 21:15	
1,1,1-Trichloroethane	ug/kg	<15.7	50.0	15.7	06/24/26 21:15	
1,1,2,2-Tetrachloroethane	ug/kg	<12.9	50.0	12.9	06/24/26 21:15	
1,1,2-Trichloroethane	ug/kg	<15.1	50.0	15.1	06/24/26 21:15	
1,1,2-Trichlorotrifluoroethane	ug/kg	<20.3	200	20.3	06/24/26 21:15	
1,1-Dichloroethane	ug/kg	<13.8	50.0	13.8	06/24/26 21:15	
1,1-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/24/26 21:15	
1,1-Dichloropropene	ug/kg	<12.8	50.0	12.8	06/24/26 21:15	
1,2,3-Trichlorobenzene	ug/kg	<15.6	50.0	15.6	06/24/26 21:15	
1,2,3-Trichloropropane	ug/kg	<17.4	200	17.4	06/24/26 21:15	
1,2,4-Trichlorobenzene	ug/kg	<16.2	50.0	16.2	06/24/26 21:15	
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/24/26 21:15	
1,2-Dibromo-3-chloropropane	ug/kg	<83.3	500	83.3	06/24/26 21:15	
1,2-Dibromoethane (EDB)	ug/kg	<16.0	50.0	16.0	06/24/26 21:15	
1,2-Dichlorobenzene	ug/kg	<14.6	50.0	14.6	06/24/26 21:15	
1,2-Dichloroethane	ug/kg	<13.9	50.0	13.9	06/24/26 21:15	
1,2-Dichloropropane	ug/kg	<15.2	50.0	15.2	06/24/26 21:15	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/24/26 21:15	
1,3-Dichlorobenzene	ug/kg	<13.4	50.0	13.4	06/24/26 21:15	
1,3-Dichloropropane	ug/kg	<15.8	50.0	15.8	06/24/26 21:15	
1,4-Dichlorobenzene	ug/kg	<13.2	50.0	13.2	06/24/26 21:15	
2,2-Dichloropropane	ug/kg	<21.9	200	21.9	06/24/26 21:15	
2-Butanone (MEK)	ug/kg	<117	250	117	06/24/26 21:15	
2-Chlorotoluene	ug/kg	<14.2	50.0	14.2	06/24/26 21:15	
4-Chlorotoluene	ug/kg	<14.9	50.0	14.9	06/24/26 21:15	
4-Methyl-2-pentanone (MIBK)	ug/kg	<96.6	250	96.6	06/24/26 21:15	
Acetone	ug/kg	<321	1000	321	06/24/26 21:15	
Allyl chloride	ug/kg	<88.2	200	88.2	06/24/26 21:15	
Benzene	ug/kg	<6.7	20.0	6.7	06/24/26 21:15	
Bromobenzene	ug/kg	<17.3	50.0	17.3	06/24/26 21:15	
Bromochloromethane	ug/kg	<15.8	50.0	15.8	06/24/26 21:15	
Bromodichloromethane	ug/kg	<20.4	50.0	20.4	06/24/26 21:15	
Bromoform	ug/kg	<95.5	200	95.5	06/24/26 21:15	
Bromomethane	ug/kg	<174	500	174	06/24/26 21:15	
Carbon tetrachloride	ug/kg	<18.3	50.0	18.3	06/24/26 21:15	
Chlorobenzene	ug/kg	<14.6	50.0	14.6	06/24/26 21:15	
Chloroethane	ug/kg	<138	500	138	06/24/26 21:15	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

METHOD BLANK: 5570624 Matrix: Solid

Associated Lab Samples: 10776910002, 10776910003, 10776910005, 10776910006, 10776910010, 10776910014, 10776910015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	ug/kg	<19.3	50.0	19.3	06/24/26 21:15	
Chloromethane	ug/kg	<30.8	200	30.8	06/24/26 21:15	
cis-1,2-Dichloroethene	ug/kg	<15.1	50.0	15.1	06/24/26 21:15	
cis-1,3-Dichloropropene	ug/kg	<17.0	50.0	17.0	06/24/26 21:15	
Dibromochloromethane	ug/kg	<49.5	200	49.5	06/24/26 21:15	
Dibromomethane	ug/kg	<20.4	50.0	20.4	06/24/26 21:15	
Dichlorodifluoromethane	ug/kg	<26.7	200	26.7	06/24/26 21:15	
Dichlorofluoromethane	ug/kg	<73.4	500	73.4	06/24/26 21:15	
Diethyl ether (Ethyl ether)	ug/kg	<34.5	200	34.5	06/24/26 21:15	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/24/26 21:15	
Hexachloro-1,3-butadiene	ug/kg	<31.1	250	31.1	06/24/26 21:15	
Isopropylbenzene (Cumene)	ug/kg	<12.5	50.0	12.5	06/24/26 21:15	
m&p-Xylene	ug/kg	<28.4	100	28.4	06/24/26 21:15	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/24/26 21:15	
Methylene Chloride	ug/kg	<99.3	200	99.3	06/24/26 21:15	
n-Butylbenzene	ug/kg	<17.5	50.0	17.5	06/24/26 21:15	
n-Propylbenzene	ug/kg	<12.5	50.0	12.5	06/24/26 21:15	
Naphthalene	ug/kg	<20.0	200	20.0	06/24/26 21:15	
o-Xylene	ug/kg	<15.6	50.0	15.6	06/24/26 21:15	
p-Isopropyltoluene	ug/kg	<13.1	50.0	13.1	06/24/26 21:15	
sec-Butylbenzene	ug/kg	<12.9	50.0	12.9	06/24/26 21:15	
Styrene	ug/kg	<16.1	50.0	16.1	06/24/26 21:15	
tert-Butylbenzene	ug/kg	<14.7	50.0	14.7	06/24/26 21:15	
Tetrachloroethene	ug/kg	<17.4	50.0	17.4	06/24/26 21:15	
Tetrahydrofuran	ug/kg	<374	2000	374	06/24/26 21:15	
Toluene	ug/kg	<20.0	50.0	20.0	06/24/26 21:15	
trans-1,2-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/24/26 21:15	
trans-1,3-Dichloropropene	ug/kg	<15.6	50.0	15.6	06/24/26 21:15	
Trichloroethene	ug/kg	<13.5	50.0	13.5	06/24/26 21:15	
Trichlorofluoromethane	ug/kg	<58.7	200	58.7	06/24/26 21:15	
Vinyl chloride	ug/kg	<9.2	20.0	9.2	06/24/26 21:15	
Xylene (Total)	ug/kg	<28.4	150	28.4	06/24/26 21:15	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		06/24/26 21:15	
4-Bromofluorobenzene (S)	%.	101	75-125		06/24/26 21:15	
Toluene-d8 (S)	%.	103	75-125		06/24/26 21:15	

LABORATORY CONTROL SAMPLE & LCSD: 5570625 5570626

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1020	1000	102	100	69-133	2	20	
1,1,1-Trichloroethane	ug/kg	1000	1080	1060	108	106	75-135	2	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	933	945	93	95	67-125	1	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

LABORATORY CONTROL SAMPLE & LCSD:		5570625			5570626					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/kg	1000	975	982	97	98	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1070	1040	107	104	73-140	3	20	
1,1-Dichloroethane	ug/kg	1000	1020	1020	102	102	75-129	0	20	
1,1-Dichloroethene	ug/kg	1000	1030	997	103	100	75-129	3	20	
1,1-Dichloropropene	ug/kg	1000	1080	1050	108	105	75-131	3	20	
1,2,3-Trichlorobenzene	ug/kg	1000	930	935	93	93	73-128	1	20	
1,2,3-Trichloropropane	ug/kg	1000	1030	1010	103	101	75-125	2	20	
1,2,4-Trichlorobenzene	ug/kg	1000	970	992	97	99	74-128	2	20	
1,2,4-Trimethylbenzene	ug/kg	1000	1010	996	101	100	75-125	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	977	936	98	94	62-128	4	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	961	951	96	95	75-125	1	20	
1,2-Dichlorobenzene	ug/kg	1000	994	968	99	97	72-125	3	20	
1,2-Dichloroethane	ug/kg	1000	1050	1020	105	102	75-133	3	20	
1,2-Dichloropropane	ug/kg	1000	1050	1040	105	104	75-132	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	986	978	99	98	75-125	1	20	
1,3-Dichlorobenzene	ug/kg	1000	1020	1000	102	100	75-125	2	20	
1,3-Dichloropropane	ug/kg	1000	1010	982	101	98	75-125	2	20	
1,4-Dichlorobenzene	ug/kg	1000	997	986	100	99	75-125	1	20	
2,2-Dichloropropane	ug/kg	1000	1050	1030	105	103	66-134	2	20	
2-Butanone (MEK)	ug/kg	5000	4950	4970	99	99	65-138	0	20	
2-Chlorotoluene	ug/kg	1000	1010	983	101	98	75-125	3	20	
4-Chlorotoluene	ug/kg	1000	984	972	98	97	75-128	1	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	5150	5040	103	101	75-130	2	20	
Acetone	ug/kg	5000	4960	5090	99	102	68-136	2	20	
Allyl chloride	ug/kg	1000	988	965	99	97	75-130	2	20	
Benzene	ug/kg	1000	1030	1020	103	102	75-133	1	20	
Bromobenzene	ug/kg	1000	969	946	97	95	75-125	2	20	
Bromochloromethane	ug/kg	1000	1060	1070	106	107	75-131	1	20	
Bromodichloromethane	ug/kg	1000	954	959	95	96	72-137	1	20	
Bromoform	ug/kg	1000	938	962	94	96	65-130	3	20	
Bromomethane	ug/kg	1000	1010	975	101	98	48-150	3	20	
Carbon tetrachloride	ug/kg	1000	999	997	100	100	68-141	0	20	
Chlorobenzene	ug/kg	1000	1000	979	100	98	75-125	2	20	
Chloroethane	ug/kg	1000	934	915	93	91	53-150	2	20	
Chloroform	ug/kg	1000	1040	1040	104	104	75-131	0	20	
Chloromethane	ug/kg	1000	863	825	86	83	72-137	4	20	
cis-1,2-Dichloroethene	ug/kg	1000	1030	982	103	98	75-128	5	20	
cis-1,3-Dichloropropene	ug/kg	1000	1040	1040	104	104	75-127	0	20	
Dibromochloromethane	ug/kg	1000	887	931	89	93	59-135	5	20	
Dibromomethane	ug/kg	1000	1030	1050	103	105	75-128	2	20	
Dichlorodifluoromethane	ug/kg	1000	910	879	91	88	63-150	3	20	
Dichlorofluoromethane	ug/kg	1000	900	866	90	87	72-136	4	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	999	965	100	97	75-131	3	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

LABORATORY CONTROL SAMPLE & LCSD:		5570625			5570626					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/kg	1000	1020	996	102	100	75-125	3	20	
Hexachloro-1,3-butadiene	ug/kg	1000	965	937	96	94	66-134	3	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1020	996	102	100	75-125	2	20	
m&p-Xylene	ug/kg	2000	2000	1980	100	99	75-125	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1040	1000	104	100	75-133	4	20	
Methylene Chloride	ug/kg	1000	952	937	95	94	75-125	2	20	
n-Butylbenzene	ug/kg	1000	920	925	92	93	71-127	1	20	
n-Propylbenzene	ug/kg	1000	1000	988	100	99	75-125	1	20	
Naphthalene	ug/kg	1000	1000	1010	100	101	75-125	1	20	
o-Xylene	ug/kg	1000	1020	995	102	99	75-125	2	20	
p-Isopropyltoluene	ug/kg	1000	1000	998	100	100	75-125	1	20	
sec-Butylbenzene	ug/kg	1000	995	994	100	99	75-125	0	20	
Styrene	ug/kg	1000	1040	1020	104	102	75-125	2	20	
tert-Butylbenzene	ug/kg	1000	1010	981	101	98	75-126	3	20	
Tetrachloroethene	ug/kg	1000	1010	994	101	99	75-126	2	20	
Tetrahydrofuran	ug/kg	5000	5000	5100	100	102	71-135	2	20	
Toluene	ug/kg	1000	1040	1010	104	101	75-125	3	20	
trans-1,2-Dichloroethene	ug/kg	1000	1020	981	102	98	75-130	3	20	
trans-1,3-Dichloropropene	ug/kg	1000	962	950	96	95	73-125	1	20	
Trichloroethene	ug/kg	1000	1030	1000	103	100	73-146	2	20	
Trichlorofluoromethane	ug/kg	1000	893	859	89	86	66-149	4	20	
Vinyl chloride	ug/kg	1000	777	797	78	80	75-138	3	20	
Xylene (Total)	ug/kg	3000	3010	2970	100	99	75-125	1	20	
1,2-Dichlorobenzene-d4 (S)	%.				100	101	75-125			
4-Bromofluorobenzene (S)	%.				100	101	75-125			
Toluene-d8 (S)	%.				103	103	75-125			

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REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

QC Batch: 1070237
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10776910001, 10776910004, 10776910006, 10776910010

METHOD BLANK: 5561616 Matrix: Solid

Associated Lab Samples: 10776910001, 10776910004, 10776910006, 10776910010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.4	50.0	12.4	06/17/26 09:15	
PCB-1221 (Aroclor 1221)	ug/kg	<13.7	50.0	13.7	06/17/26 09:15	
PCB-1232 (Aroclor 1232)	ug/kg	<16.1	50.0	16.1	06/17/26 09:15	
PCB-1242 (Aroclor 1242)	ug/kg	<18.3	50.0	18.3	06/17/26 09:15	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	15.2	06/17/26 09:15	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9	50.0	16.9	06/17/26 09:15	
PCB-1260 (Aroclor 1260)	ug/kg	<14.7	50.0	14.7	06/17/26 09:15	
Decachlorobiphenyl (S)	%.	96	30-125		06/17/26 09:15	
Tetrachloro-m-xylene (S)	%.	90	30-125		06/17/26 09:15	

LABORATORY CONTROL SAMPLE: 5561617

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	971	97	69-125	
PCB-1260 (Aroclor 1260)	ug/kg	1000	968	97	69-125	
Decachlorobiphenyl (S)	%.			97	30-125	
Tetrachloro-m-xylene (S)	%.			98	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5561618 5561619

Parameter	Units	10776933001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	1060	1060	566	547	54	52	33-128	3	30	
PCB-1260 (Aroclor 1260)	ug/kg	ND	1060	1060	562	554	53	52	30-131	1	30	
Decachlorobiphenyl (S)	%.						69	70	30-125			
Tetrachloro-m-xylene (S)	%.						54	52	30-125			

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1700 Elm Street
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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

QC Batch: 1070235
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10776910001, 10776910004, 10776910006, 10776910010

METHOD BLANK: 5561612 Matrix: Solid

Associated Lab Samples: 10776910001, 10776910004, 10776910006, 10776910010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/16/26 05:24	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/16/26 05:24	
Anthracene	ug/kg	<1.2	10.0	1.2	06/16/26 05:24	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/16/26 05:24	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/16/26 05:24	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/16/26 05:24	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/16/26 05:24	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/16/26 05:24	
Chrysene	ug/kg	<1.3	10.0	1.3	06/16/26 05:24	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/16/26 05:24	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/16/26 05:24	
Fluorene	ug/kg	<1.1	10.0	1.1	06/16/26 05:24	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/16/26 05:24	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/16/26 05:24	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/16/26 05:24	
Pyrene	ug/kg	<2.1	10.0	2.1	06/16/26 05:24	
2-Fluorobiphenyl (S)	%.	83	61-125		06/16/26 05:24	
p-Terphenyl-d14 (S)	%.	97	61-125		06/16/26 05:24	

LABORATORY CONTROL SAMPLE: 5561613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	76.2	76	50-125	
Acenaphthylene	ug/kg	100	77.3	77	53-125	
Anthracene	ug/kg	100	81.8	82	58-125	
Benzo(a)anthracene	ug/kg	100	74.4	74	60-125	
Benzo(a)pyrene	ug/kg	100	74.5	74	64-125	
Benzo(b)fluoranthene	ug/kg	100	76.0	76	60-125	
Benzo(g,h,i)perylene	ug/kg	100	86.2	86	59-125	
Benzo(k)fluoranthene	ug/kg	100	90.4	90	62-125	
Chrysene	ug/kg	100	79.2	79	64-125	
Dibenz(a,h)anthracene	ug/kg	100	91.8	92	62-125	
Fluoranthene	ug/kg	100	78.6	79	62-125	
Fluorene	ug/kg	100	73.6	74	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	81.7	82	58-125	
Naphthalene	ug/kg	100	70.2	70	46-125	
Phenanthrene	ug/kg	100	70.9	71	59-125	

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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

LABORATORY CONTROL SAMPLE: 5561613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	83.6	84	59-125	
2-Fluorobiphenyl (S)	%.			76	61-125	
p-Terphenyl-d14 (S)	%.			85	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5561614 5561615

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	5.4J	104	104	96.4	93.9	88	85	30-150	3	30	
Acenaphthylene	ug/kg	24.9	104	104	414	92.1	375	65	30-138	127	30	M1,R1
Anthracene	ug/kg	22.8	104	104	141	110	114	84	30-150	25	30	
Benzo(a)anthracene	ug/kg	34.2	104	104	137	120	99	83	30-150	13	30	
Benzo(a)pyrene	ug/kg	33.7	104	104	127	105	90	68	30-150	19	30	
Benzo(b)fluoranthene	ug/kg	75.7	104	104	167	156	88	78	30-150	6	30	
Benzo(g,h,i)perylene	ug/kg	54.8	104	104	137	115	80	58	30-150	18	30	
Benzo(k)fluoranthene	ug/kg	21.2	104	104	113	109	88	85	30-150	3	30	
Chrysene	ug/kg	58.7	104	104	151	133	89	72	30-150	12	30	
Dibenz(a,h)anthracene	ug/kg	12.3	104	104	93.3	91.3	78	76	30-150	2	30	
Fluoranthene	ug/kg	53.8	104	104	189	137	131	80	30-150	32	30	R1
Fluorene	ug/kg	5.9J	104	104	111	90.9	102	82	30-150	20	30	
Indeno(1,2,3-cd)pyrene	ug/kg	41.3	104	104	131	117	86	73	30-150	11	30	
Naphthalene	ug/kg	121	104	104	723	230	581	105	30-150	103	30	M1,R1
Phenanthrene	ug/kg	80.5	104	104	271	163	184	79	30-150	50	30	M1,R1
Pyrene	ug/kg	54.1	104	104	207	129	148	72	30-150	47	30	R1
2-Fluorobiphenyl (S)	%.						76	68	61-125			
p-Terphenyl-d14 (S)	%.						76	73	61-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

QC Batch: 1070311
QC Batch Method: WI MOD DRO
Analysis Method: WI MOD DRO
Analysis Description: WIDRO GCS
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10776910002, 10776910003, 10776910005, 10776910006, 10776910010, 10776910014

METHOD BLANK: 5561799 Matrix: Solid

Associated Lab Samples: 10776910002, 10776910003, 10776910005, 10776910006, 10776910010, 10776910014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
WDRO C10-C28	mg/kg	<2.8	10.0	2.8	06/19/26 18:43	
n-Triacontane (S)	%.	109	50-150		06/19/26 18:43	CH

LABORATORY CONTROL SAMPLE & LCSD: 5561800 5561801

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	80	65.8	69.1	82	86	70-120	5	20	
n-Triacontane (S)	%.				110	114	50-150			CH

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QUALIFIERS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

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 adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 1072105
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072403
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
G+	Late peaks present outside the GRO window.
GO	Early and late peaks present outside the GRO window.
H1	Analysis conducted outside the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
T6	High boiling point hydrocarbons are present in the sample.
T7	Low boiling point hydrocarbons are present in the sample.
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: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10776910001	**B-COMP-07_0-1**	EPA 3546	1070237	EPA 8082A	1070431
10776910004	**B-COMP-06_0-1**	EPA 3546	1070237	EPA 8082A	1070431
10776910006	**B-TP41-1_0-1**	EPA 3546	1070237	EPA 8082A	1070431
10776910010	**B-TP35-2_1.8-2.8**	EPA 3546	1070237	EPA 8082A	1070431
10776910002	**B-TP37-1_0-1**	WI MOD DRO	1070311	WI MOD DRO	1071353
10776910003	**B-TP40-1_3-4**	WI MOD DRO	1070311	WI MOD DRO	1071353
10776910005	**B-TP35-1_0-1**	WI MOD DRO	1070311	WI MOD DRO	1071353
10776910006	**B-TP41-1_0-1**	WI MOD DRO	1070311	WI MOD DRO	1071353
10776910010	**B-TP35-2_1.8-2.8**	WI MOD DRO	1070311	WI MOD DRO	1071353
10776910014	**B-TP40-2_11-12**	WI MOD DRO	1070311	WI MOD DRO	1071353
10776910002	**B-TP37-1_0-1**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10776910003	**B-TP40-1_3-4**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10776910005	**B-TP35-1_0-1**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10776910006	**B-TP41-1_0-1**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10776910010	**B-TP35-2_1.8-2.8**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10776910014	**B-TP40-2_11-12**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10776910015	**Trip Blank-02**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10776910001	**B-COMP-07_0-1**	EPA 3050B	1071101	EPA 6010D	1071850
10776910004	**B-COMP-06_0-1**	EPA 3050B	1071101	EPA 6010D	1071850
10776910006	**B-TP41-1_0-1**	EPA 3050B	1071101	EPA 6010D	1071850
10776910010	**B-TP35-2_1.8-2.8**	EPA 3050B	1071101	EPA 6010D	1071850
10776910001	**B-COMP-07_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10776910004	**B-COMP-06_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10776910006	**B-TP41-1_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10776910010	**B-TP35-2_1.8-2.8**	EPA 7471B	1071108	EPA 7471B	1071863
10776910001	**B-COMP-07_0-1**	ASTM D2974	1071887		
10776910002	**B-TP37-1_0-1**	ASTM D2974	1071887		
10776910003	**B-TP40-1_3-4**	ASTM D2974	1071887		
10776910004	**B-COMP-06_0-1**	ASTM D2974	1071887		
10776910005	**B-TP35-1_0-1**	ASTM D2974	1071887		
10776910006	**B-TP41-1_0-1**	ASTM D2974	1071887		
10776910007	**B-TP32-1_0-1**	ASTM D2974	1071887		
10776910008	**B-TP33-1_0-1**	ASTM D2974	1071887		
10776910009	**B-TP34-1_0-1**	ASTM D2974	1071887		
10776910010	**B-TP35-2_1.8-2.8**	ASTM D2974	1071887		
10776910011	**B-TP36-1_0-1**	ASTM D2974	1071887		
10776910012	**B-TP38-1_0-1**	ASTM D2974	1071887		
10776910013	**B-TP39-1_0-1**	ASTM D2974	1071887		
10776910014	**B-TP40-2_11-12**	ASTM D2974	1071887		
10776910001	**B-COMP-07_0-1**	EPA 3546	1070235	EPA 8270E by SIM	1070414
10776910004	**B-COMP-06_0-1**	EPA 3546	1070235	EPA 8270E by SIM	1070414
10776910006	**B-TP41-1_0-1**	EPA 3546	1070235	EPA 8270E by SIM	1070414
10776910010	**B-TP35-2_1.8-2.8**	EPA 3546	1070235	EPA 8270E by SIM	1070414
10776910002	**B-TP37-1_0-1**	EPA 5035/5030B	1071921	EPA 8260D	1072105
10776910003	**B-TP40-1_3-4**	EPA 5035/5030B	1071921	EPA 8260D	1072105
10776910005	**B-TP35-1_0-1**	EPA 5035/5030B	1071921	EPA 8260D	1072105
10776910006	**B-TP41-1_0-1**	EPA 5035/5030B	1071921	EPA 8260D	1072105

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10776910

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10776910010	**B-TP35-2_1.8-2.8**	EPA 5035/5030B	1071921	EPA 8260D	1072105
10776910014	**B-TP40-2_11-12**	EPA 5035/5030B	1071921	EPA 8260D	1072105
10776910015	**Trip Blank-02**	EPA 5035/5030B	1071921	EPA 8260D	1072105

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BARR. Barr Engineering Co. Chain of Custody

WO#: 10776910

10776910

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐

COC Number:
COC 1 of 4

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

Matrix Code: GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	SOIL - VOCs F N	DRO A N	GRO F N	RCRA Metals A N	PAHs A N	PCBs A N	% Solids	Preservative Code	Field Filtered Y/N	
1. B-TP -						S	N	6	1	1	1	1	1	1	1			Transformer 2
2. B-TP -						S	N	6	1	1	1	1	1	1	1			Transformer 2
3. B-COMP-						S	N	2				1	1	1	1			Transf 2 - Conf
4. B-TP -						S	N	6	1	1	1				1			Transf 2 - Conf
5. B-TP -						S	N	6	1	1	1	1	1	1	1			Cold Storage Stain
6. B-COMP- 07	0	1	ft	06/10/2026	15:00	S	N	2				1	1	1	1			Material mgmt - Conf
7. B-TP 37- 1	0	1	ft	06/10/2026	14:55	S	N	6	1	1	1				1			Material mgmt - Conf
8. B-COMP-						S	N	2				1	1	1	1			Docking Area - Conf
9. B-TP -						S	N	6	1	1	1				1			Docking Area - Conf
10. B-TP40 - 1	3	4	ft	6/10/2026	16:00	S	N	5	1	1	1				1	UST		

BARR USE ONLY							
Sampled by: JSP	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Barr Proj. Manager: Tristan Beaster	Relinquished by: Pace	On Ice? Y N	6/11/26	0754	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:				Air Bill Number:	Requested Due Date: ☒ Standard Turn Around Time ☐ Rush (mm/dd/yyyy)	
Lab Name: Pace Analytical	Lab WO:	Temperature on Receipt (°C): 0.4			Custody Seal Intact? ☐ Y ☐ N ☒ None		
Lab Location: MPLS							

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

Rev. 04/12/2024 H:\AAN\Chain of Custody Form 2024.pdf

Reli: 6/11/26 1050

Reci: 6/11/26 0800

6/11/26 1050

10776910

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number: COC 2 of 4

Matrix Code: GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - VOCs (F)	Soil: DRO (A)	GRO (F)	RCRA Metals (A)	PAHs (A)	PCBs (A)	% Solids	Preservative Code	Field Filtered Y/N
									N	N	N	N	N	N			
1. ~~B-COMP-~~						S	N	2				1	1	1	1	~~Quanset - Conf~~	
2. ~~B-TP -~~						S	N	6	1	1	1				1	~~Quanset - Conf~~	
3. B-COMP- 06	0	1	ft	~~06/10~~/2026	13:16	S	N	2				1	1	1	1	Transf Exh- Conf	004
4. B-TP35- 1	0	1	ft	06/10/2026	13:07	S	N	6	1	1	1				1	Transf Exh- Conf	005
5. ~~B-TP -~~						S	N	6	1	1	1	1	1	1	1	~~Maint shop~~	
6. ~~B-TP -~~						S	N	6	1	1	1	1	1	1	1	Maint shop	
7. ~~B-TP -~~						S	N	6	1	1	1	1	1	1	1	Maint shop	
8. ~~B-TP -~~						S	N	6	1	1	1	1	1	1	1	~~Maint shop~~	
9. ~~B-TP -~~						S	N	6	1	1	1	1	1	1	1	~~Maint shop~~	
10. B-TP41-1	0	1	ft	6/10/2026	17:00	S	N	6	1	1	1	1	1	1	1	Cold Storage floor	006

BARR USE ONLY
Sampled by: JSP
Barr Proj. Manager: Tristan Beaster
Barr DQ Manager: Jim Taraldsen
Lab Name: Pace Analytical
Lab Location: MPLS

Relinquished by:	On Ice?	Date	Time	Received by:	Date	Time
[signature]	Y (N)	6/11/26	0754	[signature] Pace	6/11/26	0754
Relinquished by: [signature] Pace	Y (N)	6/11/26	0754	Received by:	Date	Time

Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____
Air Bill Number:
Lab WO: Temperature on Receipt (°C): Custody Seal Intact? ☐ Y ☐ N ☐ None

Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

Rel: [signature] 6/11/26 1050

Rec: [signature] 6/11/26 0900

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

COC Number: COC 3 of 4

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

Matrix Code: GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

	Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Water: SOIL - VOCs (F)	Soil: DRO (A)	GRO (F)	RCRA Metals (A)	PAHs (A)	PCBs (A)	% Solids	Preservative Code / Field Filtered Y/N
										SOIL - VOCs (N)	DRO (N)	GRO (N)	RCRA Metals (N)	PAHs (N)	PCBs (N)		
1.	~~B-TP32-1~~	~~0~~					~~S~~	~~N~~	~~6~~	1	1	1	1	1	1	1	~~Repair Shop - floor~~
2.	~~B-TP33-1~~						~~S~~	~~N~~	6	1	1	1	1	1	1	1	~~Repair Shop - floor~~ JSP
3.	~~B-TP34-1~~						~~S~~	~~N~~	6	1	1	1	1	1	1	1	~~Repair Shop - pit~~
4.	B-TP32-1	0	1	ft	06/10/2026	13:20	S	N	2								Hold 007
5.	B-TP33-1	0	1	ft	06/10/2026	13:25	S	N	2								Hold 006
6.	B-TP34-1	0	1	ft	06/10/2026	13:30	S	N	2								Hold 009
7.	B-TP35-2	1.8	2.8	ft	06/10/2026	13:42	S	N	6	1	1	1	1	1	1	1	010
8.	B-TP36-1	0	1	ft	06/10/2026	15:05	S	N	2								Hold 011
9.	B-TP38-1	0	1	ft	06/10/2026	15:15	S	N	2								Hold 012
10.	B-TP39-1	0	1	ft	06/10/2026	15:20	S	N	2								Hold 013

BARR USE ONLY	Relinquished by:	On Ice?	Date	Time	Received by:	Date	Time
Sampled by: JSP		N	6/11/26	0754	Pace	6/11/26	0754
Barr Proj. Manager: Tristan Beaster	Relinquished by: Pace	Y N	6/11/26	0754	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen							
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____				Air Bill Number:		
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C):			Custody Seal Intact? ☐ Y ☐ N ☐ None		

Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)

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Reli: 6/11/26 1050

Rec: 6/11/26 0900

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number: COC 4 of 4

Matrix Code: GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - PVOCs F N	SOIL - VOCs F N	Soil: DRO A N	GRO F N	RCRA Metals A N	PAHs A N	PCBs A N	% Solids	Preservative Code	Field Filtered Y/N
1. B-TP40-2	11	12	ft	06/10/2026	16:20	S	N	5										
2. -TP- Trip Blank 02				06/10/2026	13:07	~~S~~ WQ	N	2										
3. -TP-						S												
4. -TP-						S												
5. -TP-						S												
6. -TP-						S												
7. -TP-						S												
8. -TP-						S												
9. -TP-						S												
10. -TP-						S												

BARR USE ONLY							
Sampled by: JSP	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Barr Proj. Manager: Tristan Beaster	Relinquished by: Pace	On Ice? Y N	6/11/26	0754	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:				Air Bill Number:	Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)	
Lab Name: Pace Analytical	Lab WO:	Temperature on Receipt (°C):			Custody Seal Intact? ☐ Y ☐ N ☐ None		
Lab Location: MPLS							

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

Rec: 6/11/26 1050

Rec: 6/11/26 0800

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ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: NEVM 6/12/26 PROJECT #: **WO#: 10776910**

PM: CD3 Due Date: 06/25/26

CLIENT: BARR

Client Name: Barr

Custody Seal Present: ☐ YES ☑ NO Seals Intact: ☐ YES ☑ NO

Tracking Number: ☐ 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) ☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775) ☐ T9 (0428) ☐ 01339252 (0710)

Type of Ice: ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None

Temp Blank: ☑ YES ☐ NO

NOTE: Temp should be ≤ 6°C, but above freezing.

Read Temp w/Temp Blank: 0.4 °C

Correction Factor: +0.0

Corrected Temp w/Temp Blank: 0.4 °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, 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? NOTE: < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☑	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? – Pace Containers Used?	☑ ☐	☐ ☑	☐	8.
Containers Intact?	☑	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? (If NO, fill out section 11.) Matrix: ☐ Oil ☑ Soil ☐ Water ☐ Other	☑	☐	☐	11. ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☑	12.
Preserved containers in compliance with EPA recommendations? (HNO3, H2SO4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) EXCEPTIONS (water only): VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐ ☐	☐ ☐	☑ ☑	☐ See Exceptions form ENV-FRM-MIN4-0142
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. MeOH 2
Trip Blank Custody Seals Present?	☐	☑	☐	Pace Trip Blank Lot # (if purchased): non-pace

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

CLIENT NOTIFICATION / RESOLUTION:

Labeled By: NEVM Line: 3

Person Contacted & Date/Time: _____ PM Review & Date: Cindy S Douglas 06/12/2026

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

ENV-FRM-MIN4-0300 v01_Container Count

WATERS																
Sample #	BP1U	BP2U	BP3U	BP3S	BP1N	BP3N	AG1U	AG2U	AG3U	AG5U	AG1T	AG2H	AG3H	AG3S	DG9S	VG9H	GN

SOILS / SOLIDS										
Sample #	WPDU	JGNU	JGFU	BJTU	JTFU	JGFM	VG9M	DWC	ZPLU	GN
3,4,7-9, 11-13			2							
2,5-6,10			2		1		3			
3			1		1		3			
14							2			

PFAS					
Sample #	NT2U	NT3U	NT4U	NTCU	NT6U

GN Containers (description):

Data File: \\v10wintarget\chem\10gcs9.i\061926dro.b\061926000068.D

Date : 19-JUN-2026 19:32

Client ID: B-TP37-1_0-1

Instrument: 10gcs9.i

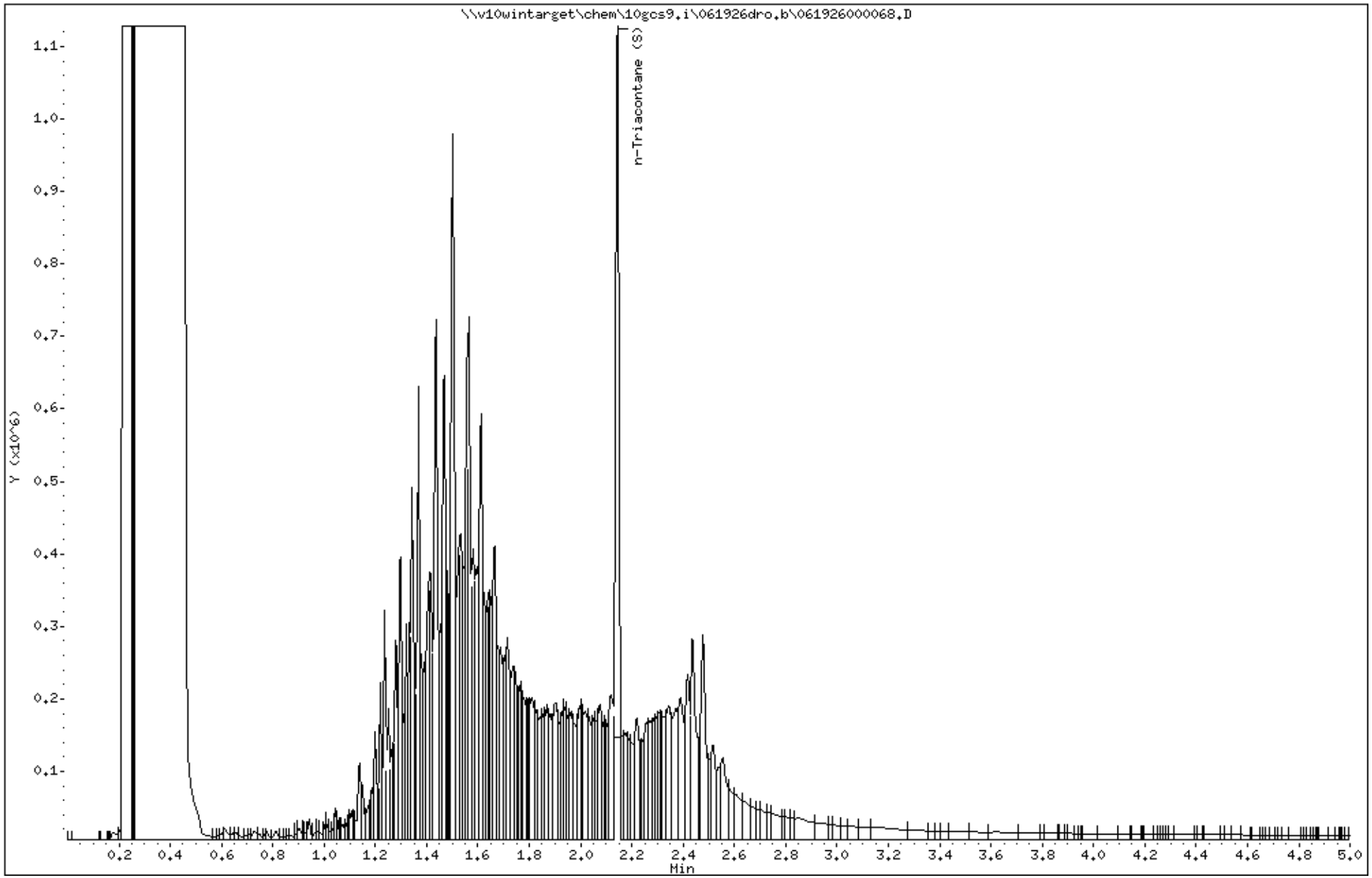
Sample Info: 10776910002

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061926dro.b\061926000075.D

Date : 19-JUN-2026 20:21

Client ID: B-TP40-1_3-4

Instrument: 10gcs9.i

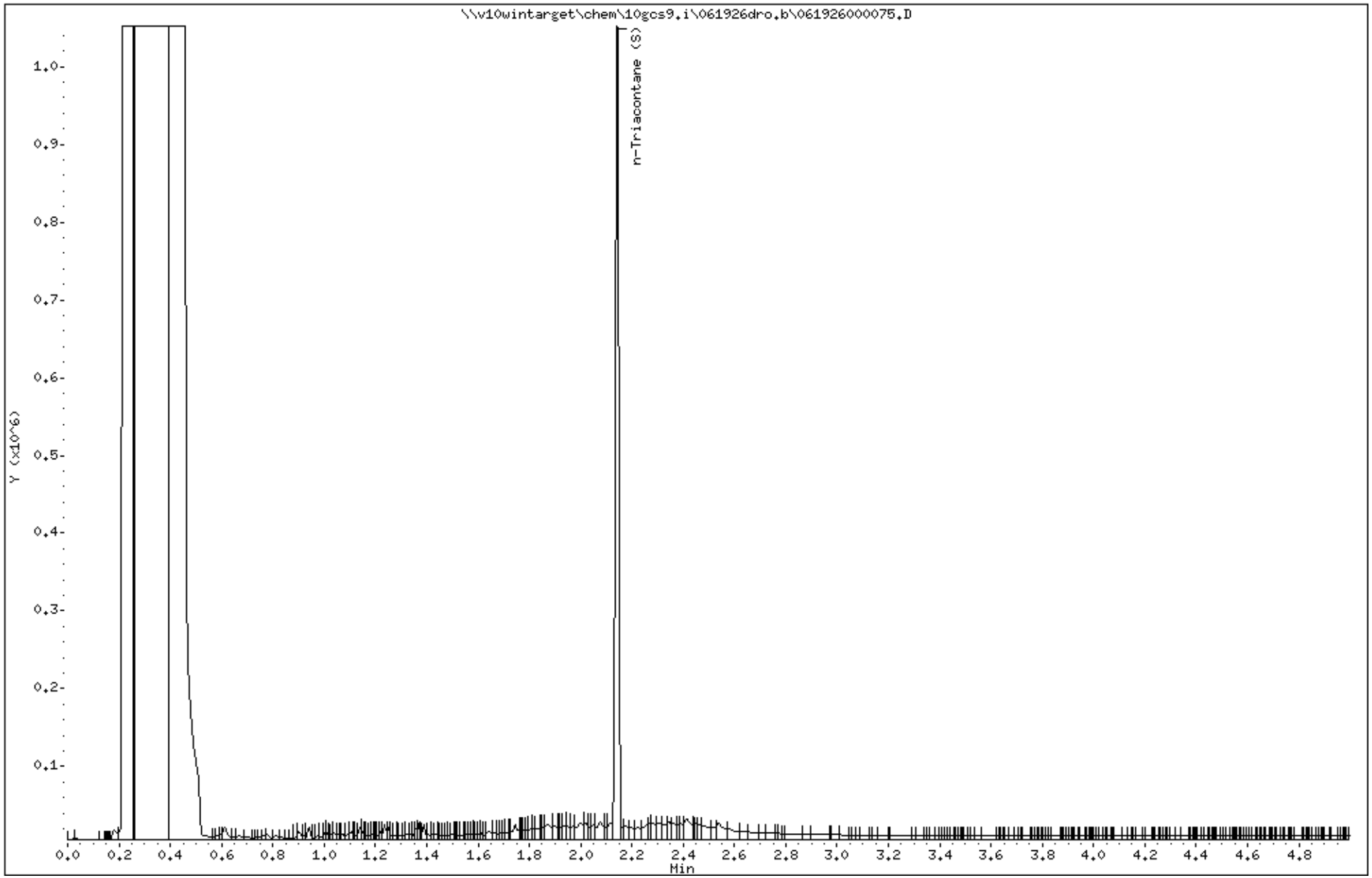
Sample Info: 10776910003

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061926dro.b\061926000067.D

Date : 19-JUN-2026 19:25

Client ID: B-TP35-1_0-1

Instrument: 10gcs9.i

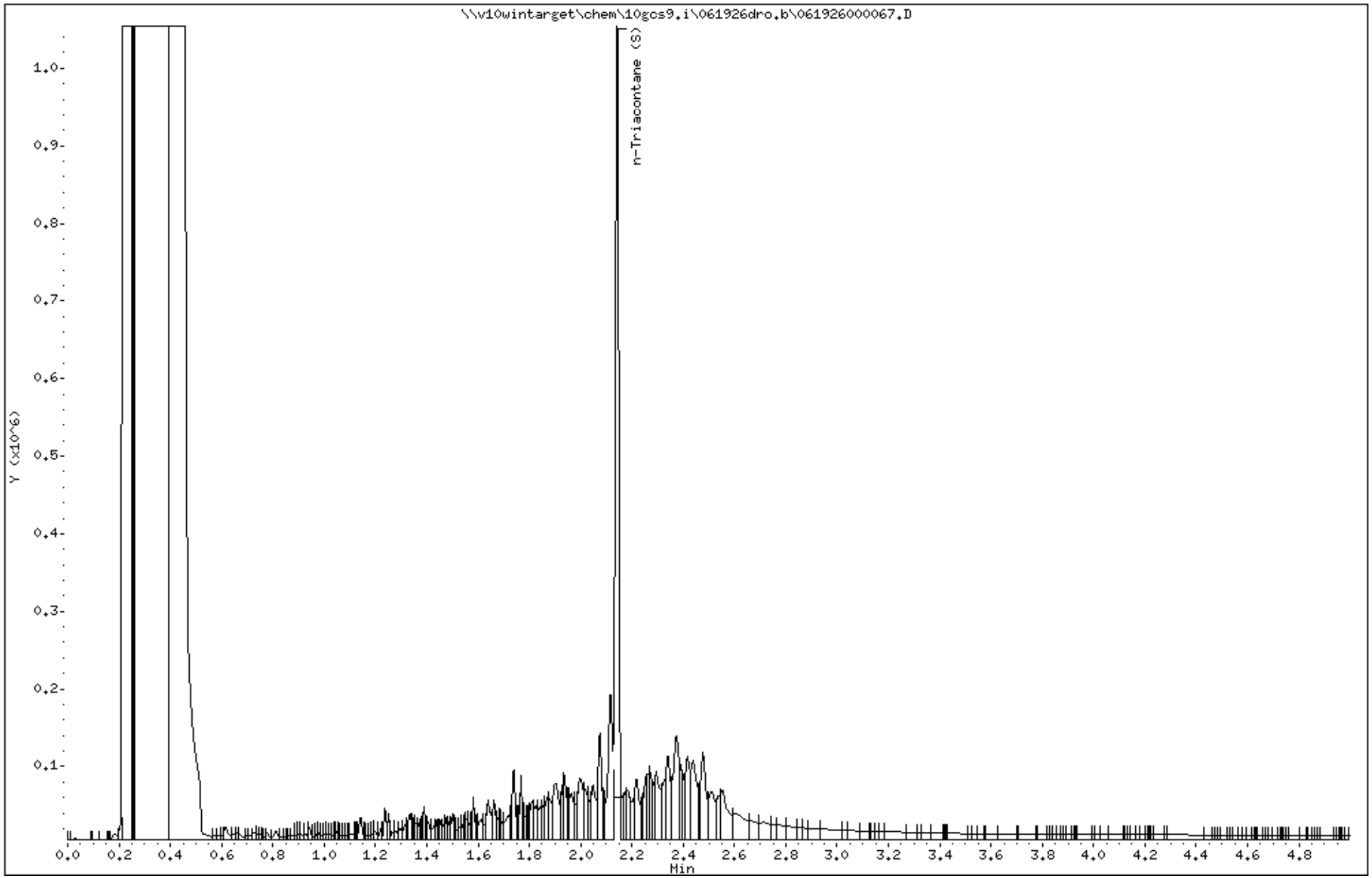
Sample Info: 10776910005

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061926dro.b\061926000063.D

Date : 19-JUN-2026 18:57

Client ID: B-TP41-1_0-1

Instrument: 10gcs9.i

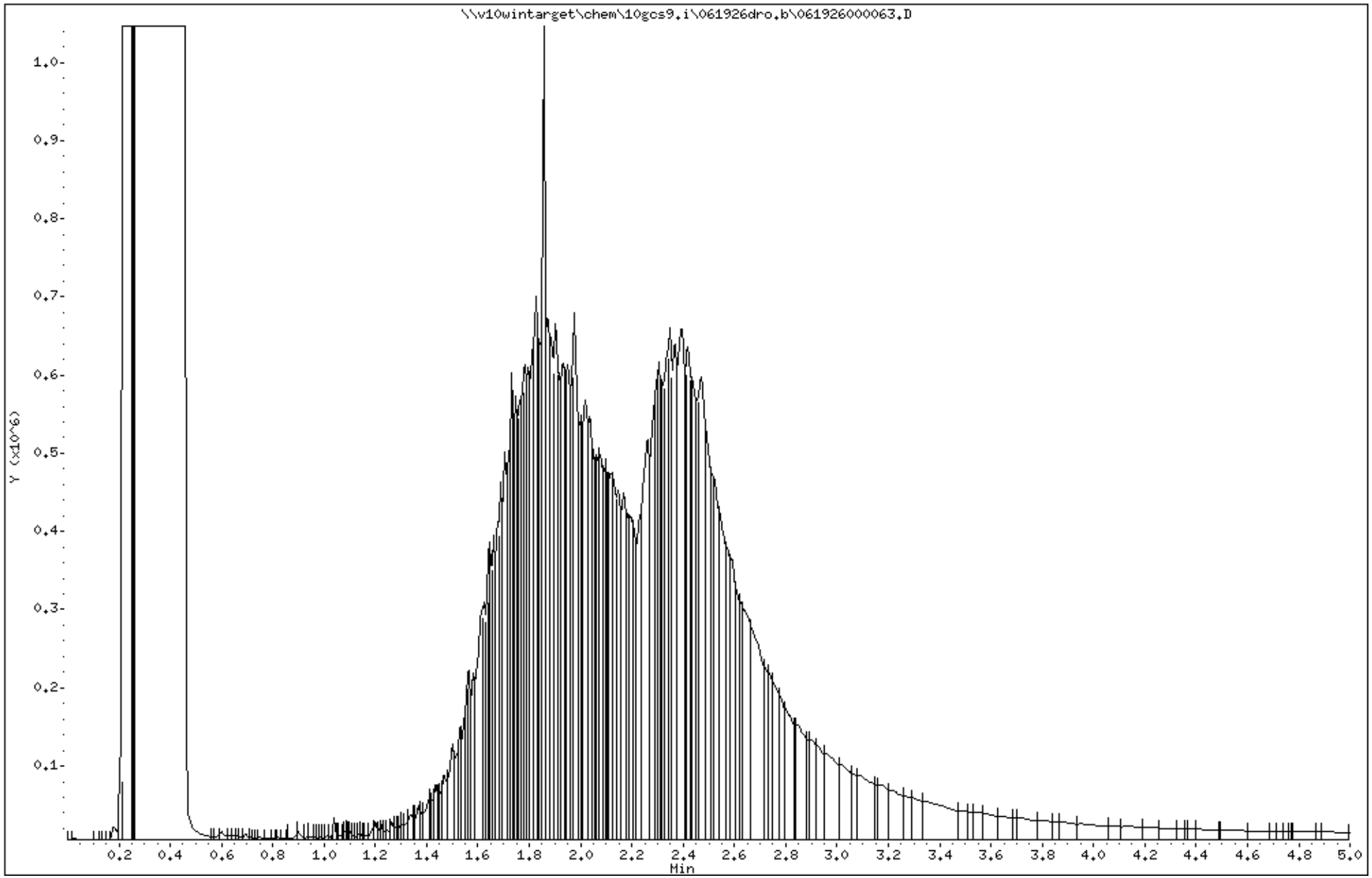
Sample Info: 10776910006X10

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061926dro.b\061926000072.D

Date : 19-JUN-2026 20:00

Client ID: B-TP35-2_1.8-2.8

Instrument: 10gcs9.i

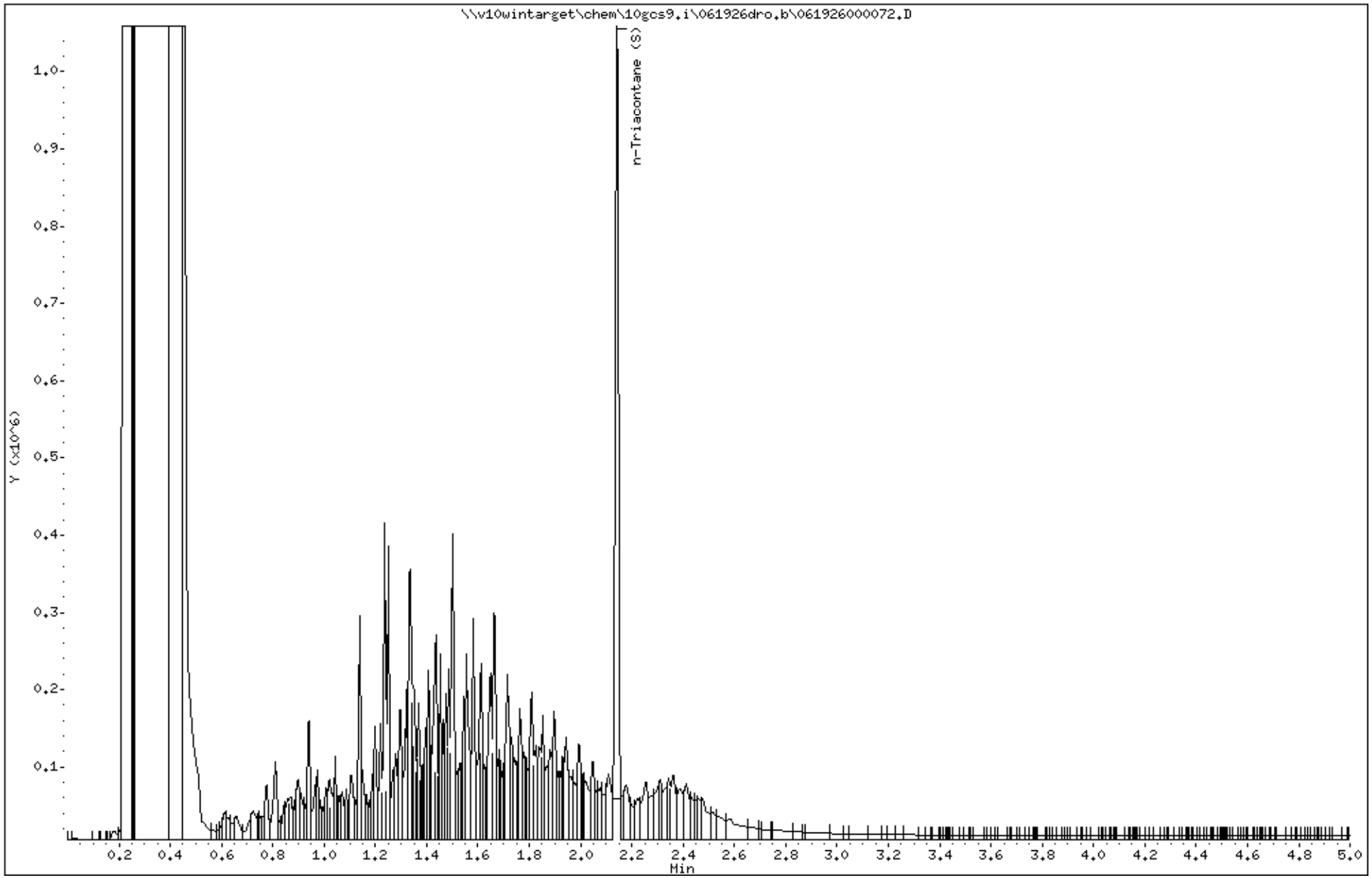
Sample Info: 10776910010

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\062226dro.b\062226000011.D

Date : 22-JUN-2026 15:35

Client ID: B-TP40-2_11-12

Instrument: 10gcs9.i

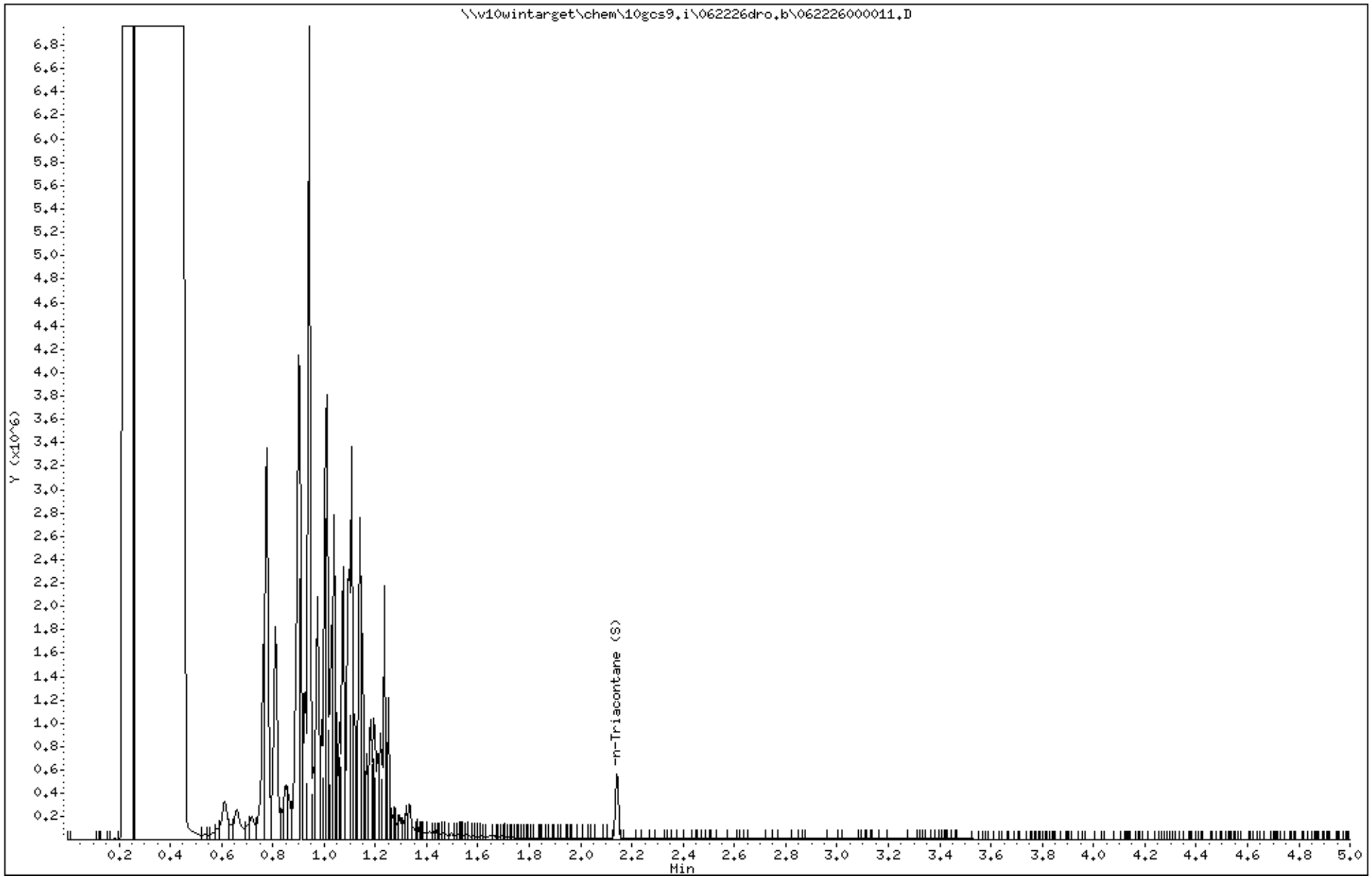
Sample Info: 10776910014X2

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32

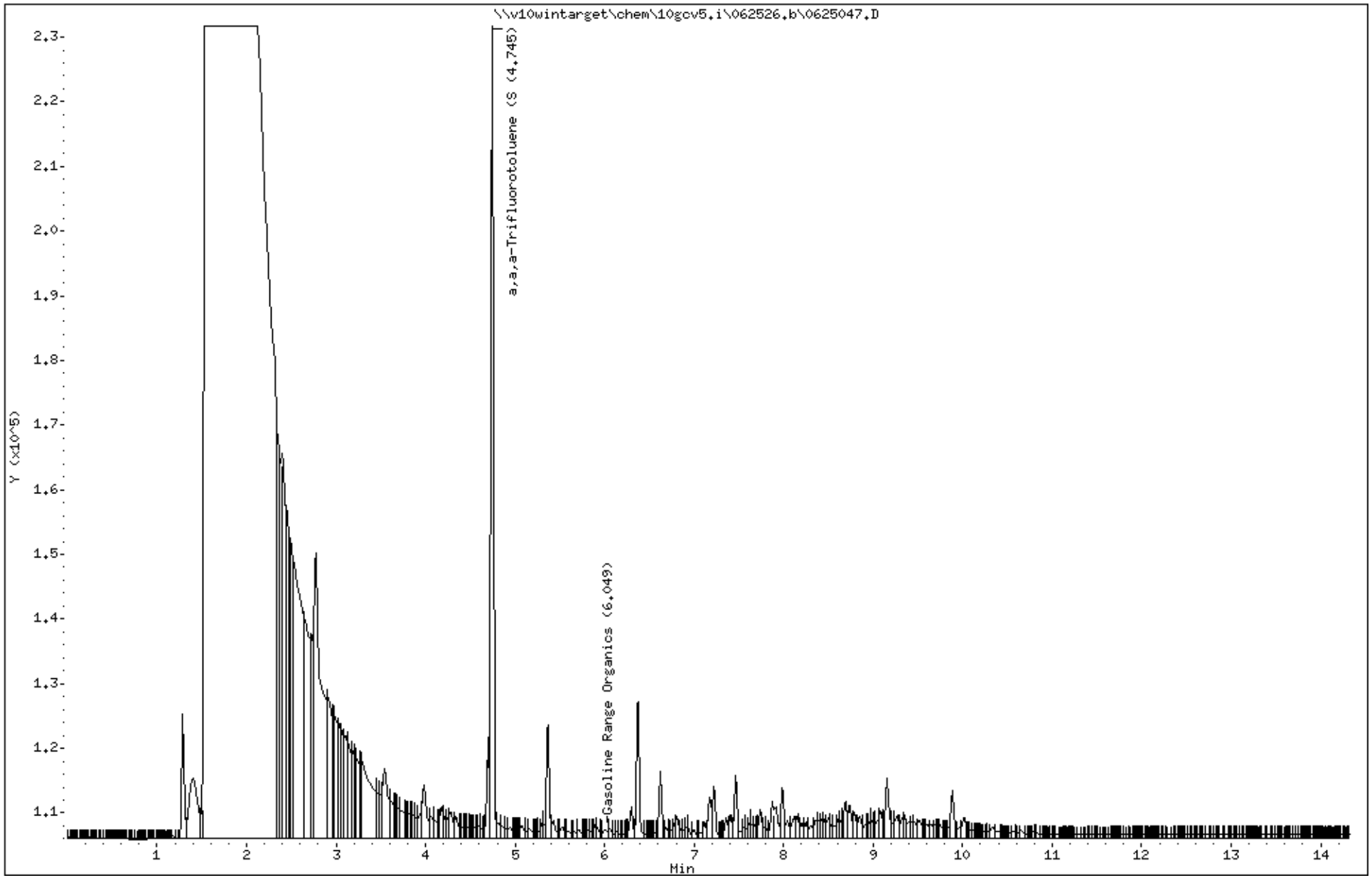


Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625047.D
Date : 26-JUN-2026 10:03
Client ID: B-TP37-1_0-1
Sample Info: 10776910002,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18

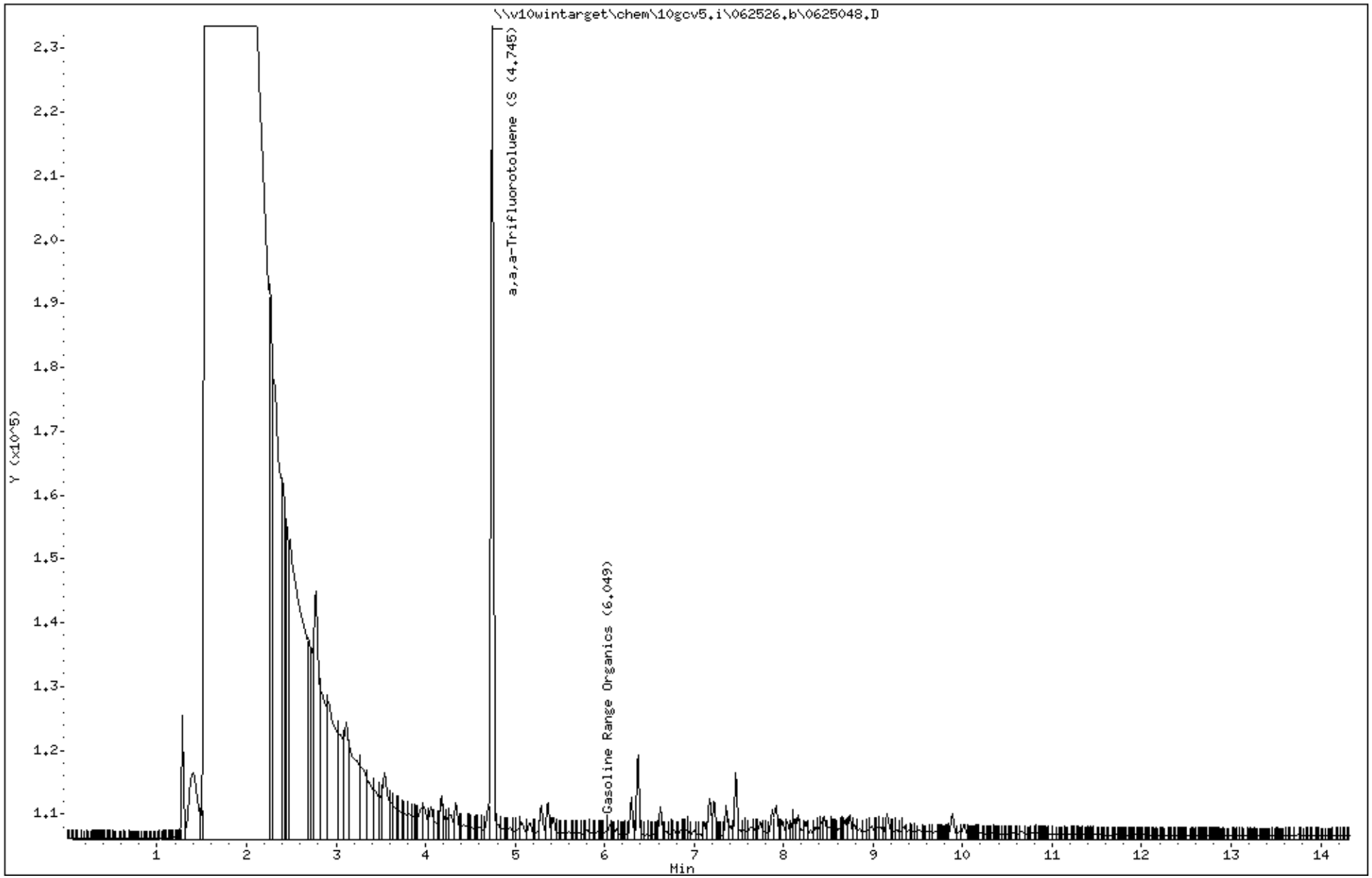


Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625048.D
Date : 26-JUN-2026 10:25
Client ID: B-TP40-1_3-4
Sample Info: 10776910003,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625049.D

Date : 26-JUN-2026 10:46

Client ID: B-TP35-1_0-1

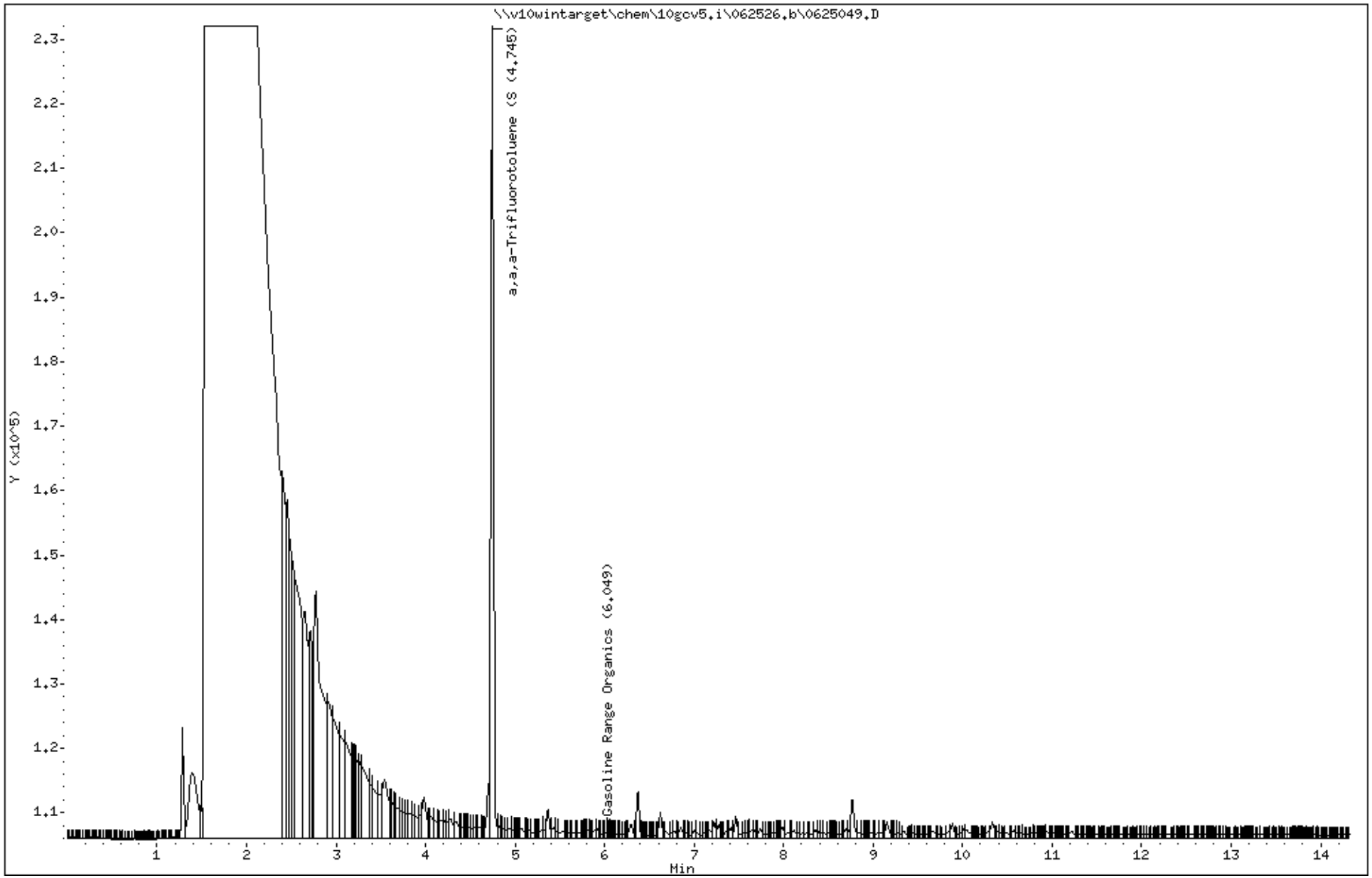
Sample Info: 10776910005,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18

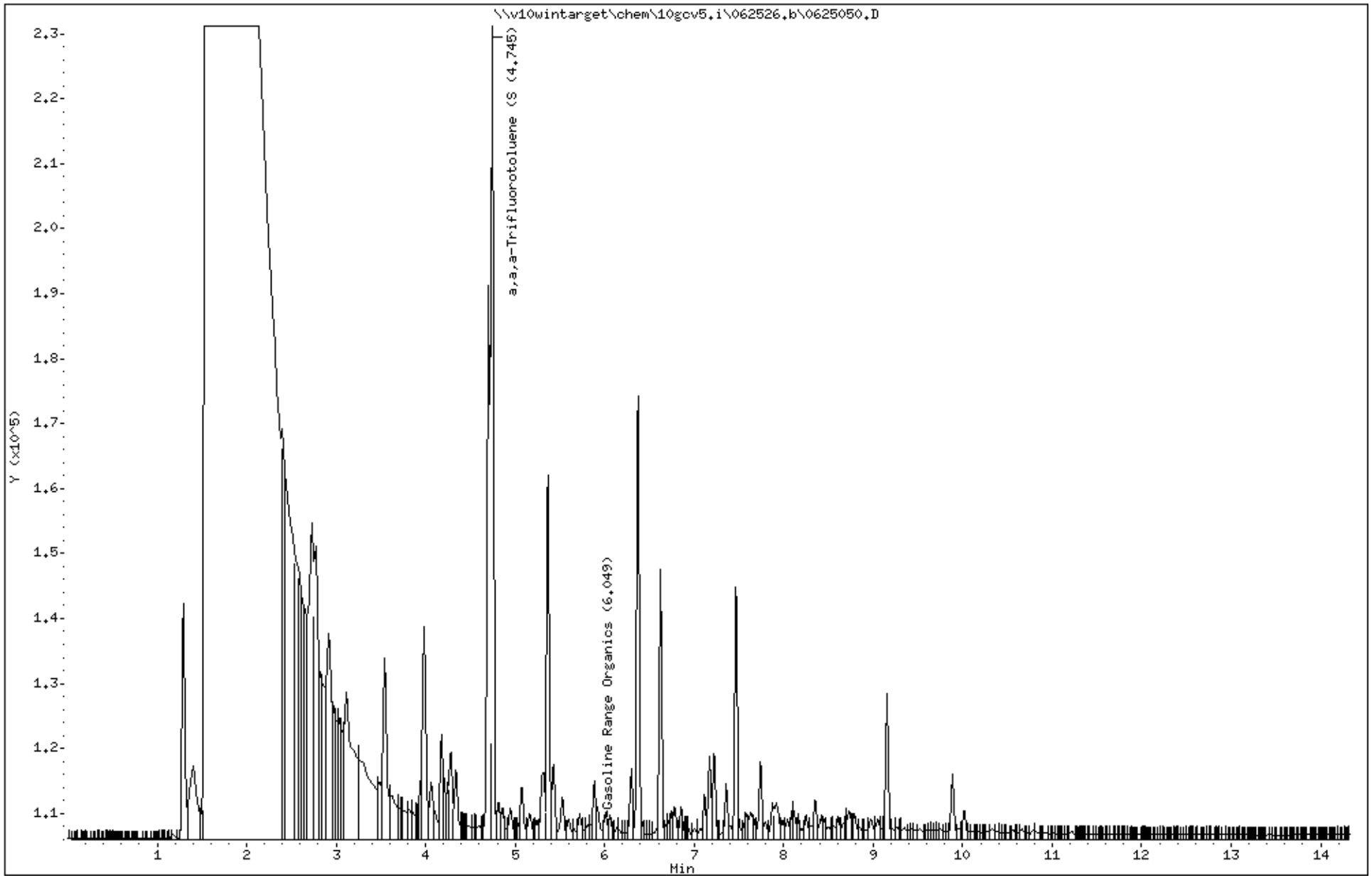


Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625050.D
Date : 26-JUN-2026 11:08
Client ID: B-TP41-1_0-1
Sample Info: 10776910006,

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18

Column phase: DB-624UI US3266025H

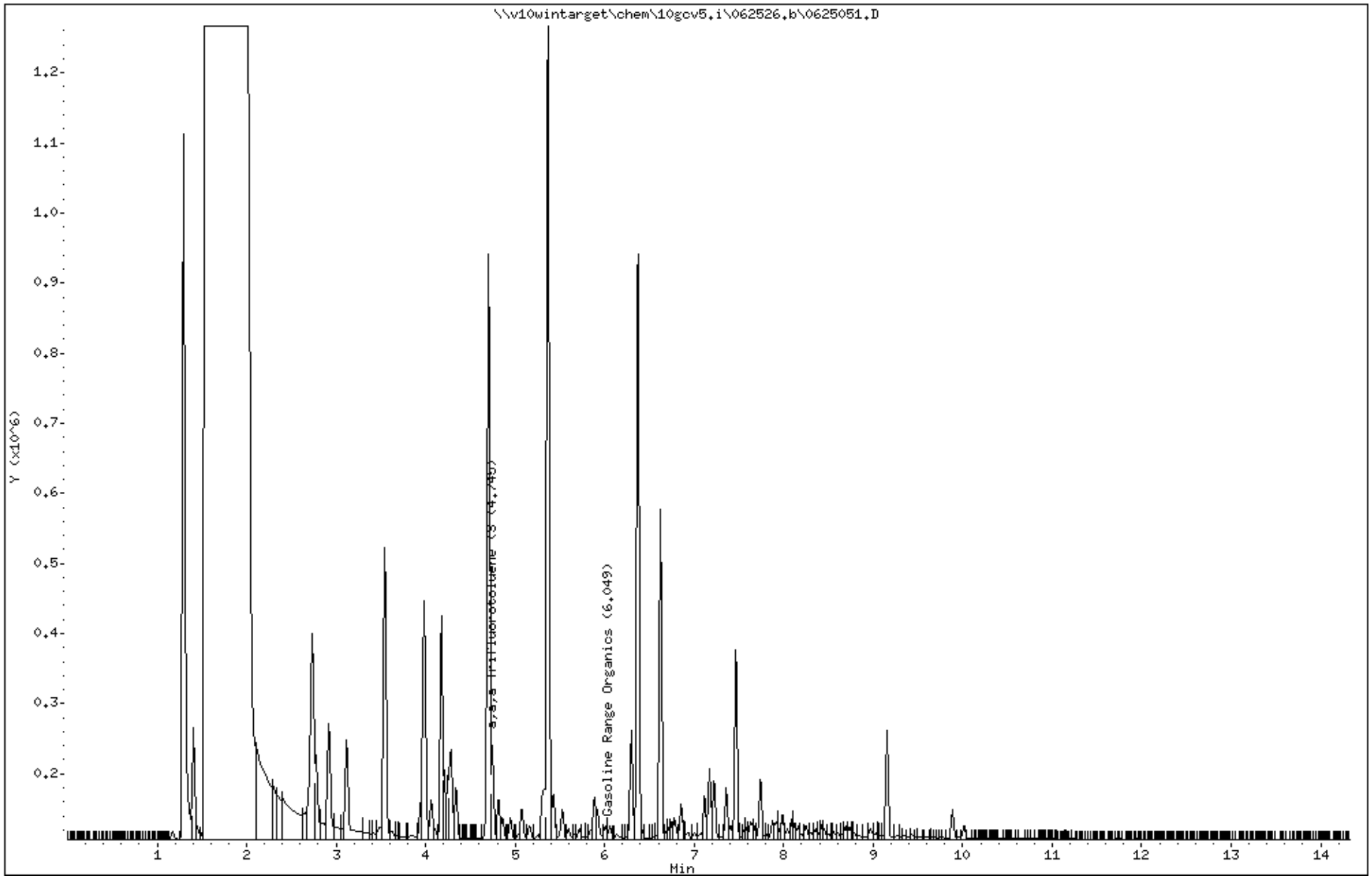


Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625051.D
Date : 26-JUN-2026 11:30
Client ID: B-TP35-2_1.8-2.8
Sample Info: 10776910010,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625091.D

Date : 27-JUN-2026 01:58

Client ID: B-TP40-2_11-12

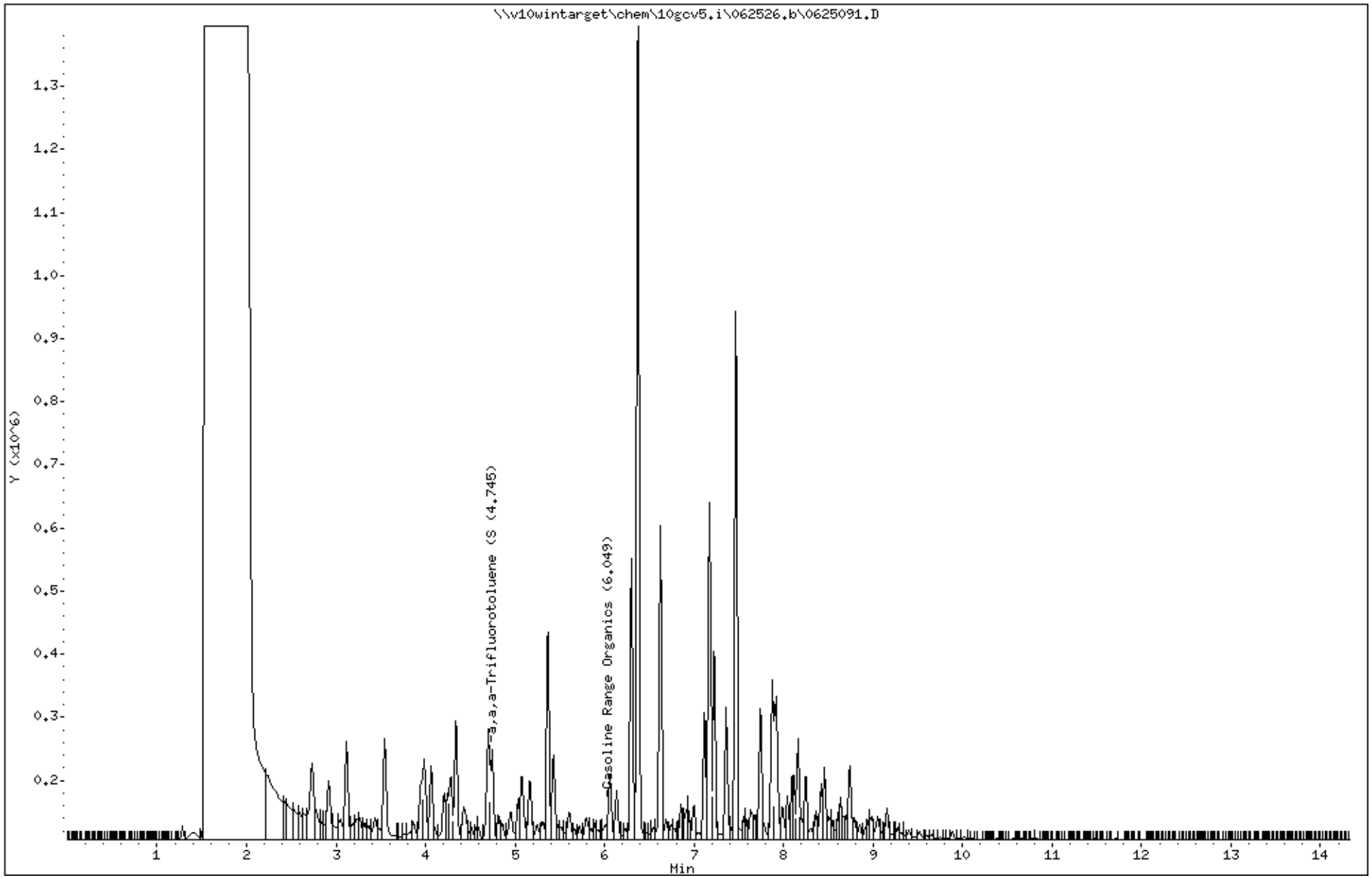
Sample Info: 10776910014X20

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625090.D

Date : 27-JUN-2026 01:37

Client ID: Trip Blank-02

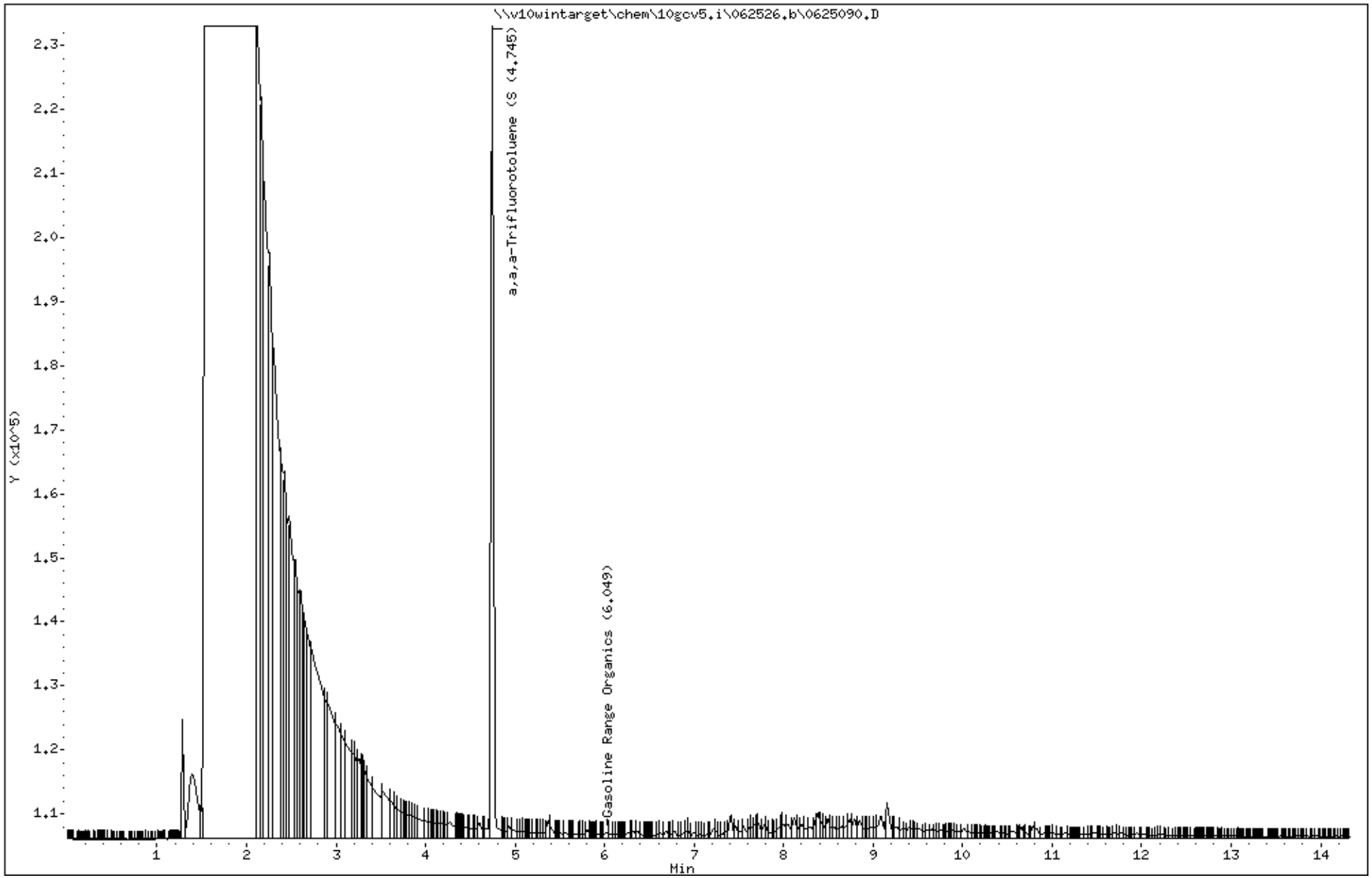
Sample Info: 10776910015

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

July 24, 2026

Jim Taraldsen
Barr Engineering Company
325 S Lake Ave
Duluth, MN 55802

RE: Project: 23311657 100 300 Hill Annex-Revised Report
Pace Project No.: 10777060

Dear Jim Taraldsen:

Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2026. 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 - Minneapolis

This report was revised on July 24, 2026, to include results for 6010D TCLP lead on Pace samples 10777060-006, -007, -010, and -011.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Craig S Douglas

Craig Douglas
craig.douglas@pacelabs.com
(218) 727-6380
Project Manager

Enclosures

cc: Barr DM, Barr Engineering
Accounts Payable, Barr Engineering

REPORT OF LABORATORY ANALYSIS
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Pace Analytical Services, LLC
1700 Elm Stree
Minneapolis, MN 5541
(612)607-170

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CERTIFICATIONS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alaska Contaminated Sites Certification #: 17-009
Arizona Certification #: AZ0014
Arkansas WW Certification #: 88-0680
Colorado Certification #: MN00064
DoD via A2LA Certification #: 2926.01
Florida Certification #: E87605
Idaho Certification #: MN00064
Indiana Certification #: C-MN-01
ISO/IEC 17025 via A2LA Certification #: 2926.01
Kentucky DW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Maine Certification #: MN00064
Michigan Certification #: 9909
Minnesota Dept of Ag Approval via Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nevada Certification #: MN00064
New Jersey Certification #: MN002
North Carolina DW Certification #: 27700
North Dakota Certification via A2LA #: R-036
Ohio DW Certification #: 41244
Oklahoma Certification #: 9507
Oregon Secondary Certification #: MN200001
Puerto Rico Certification #: MN00064
Tennessee Certification #: TN02818
Utah Certification #: MN00064
Virginia Certification #: 460163
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
USDA Permit #: P330-19-00208

Alabama Certification #: 40770
Alaska DW Certification #: MN00064
Arkansas DW Certification #: MN00064
California Certification #: 2929
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Georgia Certification #: 959
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky WW Certification #: 90062
Louisiana DW Certification #: MN00064
Maryland Certification #: 322
Minnesota Certification #: 027-053-137
Minnesota Petrofund Registration #: 1240
Missouri Certification #: 10100
Nebraska Certification #: NE-OS-18-06
New Hampshire Certification #: 2081
New York Certification #: 11647
North Carolina WW Certification #: 530
North Dakota Certification via MN #: R-036
Ohio VAP Certification (1700) #: CL101
Oregon Primary Certification #: MN300001
Pennsylvania Certification #: 68-00563
South Carolina Certification #:74003001
Texas Certification #: T104704192
Vermont Certification #: VT-027053137
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
Wyoming UST Certification via A2LA #: 2926.01

REPORT OF LABORATORY ANALYSIS

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Date: 07/24/2026 09:22 AM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10777060001	**B-TP48-1_2-3**	Solid	06/11/26 10:35	06/15/26 07:56
10777060002	**B-TP51-1_0-1**	Solid	06/11/26 11:00	06/15/26 07:56
10777060003	**B-COMP-08_0-1**	Solid	06/11/26 11:02	06/15/26 07:56
10777060004	**B-TP53-1_0-1**	Solid	06/11/26 11:55	06/15/26 07:56
10777060005	**B-COMP-09_0-1**	Solid	06/11/26 12:07	06/15/26 07:56
10777060006	**B-TP57-1_0.5-3**	Solid	06/11/26 14:25	06/15/26 07:56
10777060007	**B-TP58-1_1-2**	Solid	06/11/26 14:30	06/15/26 07:56
10777060008	**B-COMP-10_0-2**	Solid	06/11/26 15:25	06/15/26 07:56
10777060009	**B-TP59-1_0-2**	Solid	06/11/26 14:55	06/15/26 07:56
10777060010	**B-TP62-1**	Solid	06/11/26 16:10	06/15/26 07:56
10777060011	**B-TP63-1**	Solid	06/11/26 16:15	06/15/26 07:56
10777060012	**B-TP64-1_3.3-3.5**	Solid	06/12/26 08:20	06/15/26 07:56
10777060013	**B-TP66-1_0-3.5**	Solid	06/12/26 08:40	06/15/26 07:56
10777060014	**B-TP67-1_0-3.5**	Solid	06/12/26 08:45	06/15/26 07:56
10777060015	**B-TP68-1_0-3.5**	Solid	06/12/26 08:53	06/15/26 07:56
10777060016	**B-TP69-1_0-3.5**	Solid	06/12/26 08:55	06/15/26 07:56
10777060017	**Trip Blank-03**	Solid	06/11/26 10:35	06/15/26 07:56
10777060018	**B-TP45-1_0-1**	Solid	06/11/26 11:25	06/15/26 07:56
10777060019	**B-TP46-1_0-1**	Solid	06/11/26 11:20	06/15/26 07:56
10777060020	**B-TP47-1_0-1**	Solid	06/11/26 11:15	06/15/26 07:56
10777060021	**B-TP49-1_0-1**	Solid	06/11/26 11:14	06/15/26 07:56
10777060022	**B-TP50-1_0-1**	Solid	06/11/26 11:19	06/15/26 07:56
10777060023	**B-TP52-1_0-1**	Solid	06/11/26 12:02	06/15/26 07:56
10777060024	**B-TP55-1_0-2**	Solid	06/11/26 15:17	06/15/26 07:56
10777060025	**B-TP60-1_0-1**	Solid	06/11/26 15:05	06/15/26 07:56
10777060026	**B-TP61-1_0-1**	Solid	06/11/26 15:10	06/15/26 07:56

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777060001	**B-TP48-1_2-3**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060002	**B-TP51-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060003	**B-COMP-08_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777060004	**B-TP53-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060005	**B-COMP-09_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777060006	**B-TP57-1_0.5-3**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M

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Minneapolis, MN 55414
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SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777060007	**B-TP58-1_1-2**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060008	**B-COMP-10_0-2**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777060009	**B-TP59-1_0-2**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060010	**B-TP62-1**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060011	**B-TP63-1**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777060012	**B-TP64-1_3.3-3.5**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060013	**B-TP66-1_0-3.5**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060014	**B-TP67-1_0-3.5**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060015	**B-TP68-1_0-3.5**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M

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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777060016	**B-TP69-1_0-3.5**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	HM	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777060017	**Trip Blank-03**	WI MOD GRO	NJ1	2	PASI-M
		EPA 8260D	NMB	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP48-1_2-3 **Lab ID: 10777060001** Collected: 06/11/26 10:35 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.3**	ug/kg	53.6	13.3	1	06/18/26 10:52	06/19/26 23:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.7**	ug/kg	53.6	14.7	1	06/18/26 10:52	06/19/26 23:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.2**	ug/kg	53.6	17.2	1	06/18/26 10:52	06/19/26 23:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.6**	ug/kg	53.6	19.6	1	06/18/26 10:52	06/19/26 23:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.3**	ug/kg	53.6	16.3	1	06/18/26 10:52	06/19/26 23:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.1**	ug/kg	53.6	18.1	1	06/18/26 10:52	06/19/26 23:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.7**	ug/kg	53.6	15.7	1	06/18/26 10:52	06/19/26 23:21	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	96	%.	30-125		1	06/18/26 10:52	06/19/26 23:21	877-09-8	
Decachlorobiphenyl (S)	97	%.	30-125		1	06/18/26 10:52	06/19/26 23:21	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**69.1**	mg/kg	20.2	5.6	2	06/18/26 03:44	06/23/26 17:22		T6
Surrogates									
n-Triacontane (S)	85	%.	50-150		2	06/18/26 03:44	06/23/26 17:22		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**16.9**	mg/kg	12.3	3.0	1	06/27/26 14:08	06/29/26 03:50		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	80-200		1	06/27/26 14:08	06/29/26 03:50	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**3.7**	mg/kg	1.1	0.18	1	06/24/26 15:09	06/25/26 13:41	7440-38-2	
Barium	**57.3**	mg/kg	0.54	0.081	1	06/24/26 15:09	06/25/26 13:41	7440-39-3	M1
Cadmium	**0.15J**	mg/kg	0.16	0.038	1	06/24/26 15:09	06/25/26 13:41	7440-43-9	
Chromium	**16.3**	mg/kg	0.54	0.16	1	06/24/26 15:09	06/25/26 13:41	7440-47-3	
Lead	**65.3**	mg/kg	0.54	0.24	1	06/24/26 15:09	06/25/26 13:41	7439-92-1	M1
Selenium	**<0.47**	mg/kg	1.1	0.47	1	06/24/26 15:09	06/25/26 13:41	7782-49-2	
Silver	**<0.043**	mg/kg	0.54	0.043	1	06/24/26 15:09	06/25/26 13:41	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.085**	mg/kg	0.021	0.0093	1	06/24/26 12:37	06/25/26 22:16	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**10.2**	%	0.10	0.10	1		06/26/26 09:49		N2

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP48-1_2-3 **Lab ID: 10777060001** Collected: 06/11/26 10:35 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**11.9**	ug/kg	10.7	1.2	1	06/18/26 03:03	06/23/26 09:47	83-32-9	
Acenaphthylene	**8.4J**	ug/kg	10.7	1.9	1	06/18/26 03:03	06/23/26 09:47	208-96-8	
Anthracene	**27.3**	ug/kg	10.7	1.2	1	06/18/26 03:03	06/23/26 09:47	120-12-7	
Benzo(a)anthracene	**61.1**	ug/kg	10.7	2.0	1	06/18/26 03:03	06/23/26 09:47	56-55-3	
Benzo(a)pyrene	**58.3**	ug/kg	10.7	1.8	1	06/18/26 03:03	06/23/26 09:47	50-32-8	
Benzo(b)fluoranthene	**128**	ug/kg	10.7	2.5	1	06/18/26 03:03	06/23/26 09:47	205-99-2	
Benzo(g,h,i)perylene	**116**	ug/kg	10.7	2.4	1	06/18/26 03:03	06/23/26 09:47	191-24-2	
Benzo(k)fluoranthene	**36.7**	ug/kg	10.7	1.4	1	06/18/26 03:03	06/23/26 09:47	207-08-9	
Chrysene	**96.8**	ug/kg	10.7	1.4	1	06/18/26 03:03	06/23/26 09:47	218-01-9	
Dibenz(a,h)anthracene	**21.3**	ug/kg	10.7	1.5	1	06/18/26 03:03	06/23/26 09:47	53-70-3	
Fluoranthene	**112**	ug/kg	10.7	2.8	1	06/18/26 03:03	06/23/26 09:47	206-44-0	
Fluorene	**21.4**	ug/kg	10.7	1.2	1	06/18/26 03:03	06/23/26 09:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**101**	ug/kg	10.7	2.2	1	06/18/26 03:03	06/23/26 09:47	193-39-5	
Naphthalene	**199**	ug/kg	10.7	3.8	1	06/18/26 03:03	06/23/26 09:47	91-20-3	
Phenanthrene	**159**	ug/kg	10.7	2.3	1	06/18/26 03:03	06/23/26 09:47	85-01-8	
Pyrene	**82.2**	ug/kg	10.7	2.2	1	06/18/26 03:03	06/23/26 09:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%.	61-125		1	06/18/26 03:03	06/23/26 09:47	321-60-8	
p-Terphenyl-d14 (S)	70	%.	61-125		1	06/18/26 03:03	06/23/26 09:47	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<408**	ug/kg	1270	408	1	06/25/26 09:21	06/25/26 17:18	67-64-1	
Allyl chloride	**<112**	ug/kg	254	112	1	06/25/26 09:21	06/25/26 17:18	107-05-1	
Benzene	**273**	ug/kg	25.4	8.6	1	06/25/26 09:21	06/25/26 17:18	71-43-2	
Bromobenzene	**<22.0**	ug/kg	63.6	22.0	1	06/25/26 09:21	06/25/26 17:18	108-86-1	
Bromochloromethane	**<20.1**	ug/kg	63.6	20.1	1	06/25/26 09:21	06/25/26 17:18	74-97-5	
Bromodichloromethane	**<26.0**	ug/kg	63.6	26.0	1	06/25/26 09:21	06/25/26 17:18	75-27-4	
Bromoform	**<121**	ug/kg	254	121	1	06/25/26 09:21	06/25/26 17:18	75-25-2	
Bromomethane	**<221**	ug/kg	636	221	1	06/25/26 09:21	06/25/26 17:18	74-83-9	
2-Butanone (MEK)	**<149**	ug/kg	318	149	1	06/25/26 09:21	06/25/26 17:18	78-93-3	
n-Butylbenzene	**40.9J**	ug/kg	63.6	22.3	1	06/25/26 09:21	06/25/26 17:18	104-51-8	
sec-Butylbenzene	**22.4J**	ug/kg	63.6	16.4	1	06/25/26 09:21	06/25/26 17:18	135-98-8	
tert-Butylbenzene	**<18.7**	ug/kg	63.6	18.7	1	06/25/26 09:21	06/25/26 17:18	98-06-6	
Carbon tetrachloride	**<23.3**	ug/kg	63.6	23.3	1	06/25/26 09:21	06/25/26 17:18	56-23-5	
Chlorobenzene	**<18.6**	ug/kg	63.6	18.6	1	06/25/26 09:21	06/25/26 17:18	108-90-7	
Chloroethane	**<176**	ug/kg	636	176	1	06/25/26 09:21	06/25/26 17:18	75-00-3	
Chloroform	**<24.6**	ug/kg	63.6	24.6	1	06/25/26 09:21	06/25/26 17:18	67-66-3	
Chloromethane	**<39.2**	ug/kg	254	39.2	1	06/25/26 09:21	06/25/26 17:18	74-87-3	
2-Chlorotoluene	**<18.1**	ug/kg	63.6	18.1	1	06/25/26 09:21	06/25/26 17:18	95-49-8	
4-Chlorotoluene	**<19.0**	ug/kg	63.6	19.0	1	06/25/26 09:21	06/25/26 17:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<106**	ug/kg	636	106	1	06/25/26 09:21	06/25/26 17:18	96-12-8	
Dibromochloromethane	**<63.0**	ug/kg	254	63.0	1	06/25/26 09:21	06/25/26 17:18	124-48-1	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP48-1_2-3 **Lab ID: 10777060001** Collected: 06/11/26 10:35 Received: 06/15/26 07:56 Matrix: Solid

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

4

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<20.4**	ug/kg	63.6	20.4	1	06/25/26 09:21	06/25/26 17:18	106-93-4	
Dibromomethane	**<26.0**	ug/kg	63.6	26.0	1	06/25/26 09:21	06/25/26 17:18	74-95-3	
1,2-Dichlorobenzene	**<18.6**	ug/kg	63.6	18.6	1	06/25/26 09:21	06/25/26 17:18	95-50-1	
1,3-Dichlorobenzene	**<17.0**	ug/kg	63.6	17.0	1	06/25/26 09:21	06/25/26 17:18	541-73-1	
1,4-Dichlorobenzene	**<16.8**	ug/kg	63.6	16.8	1	06/25/26 09:21	06/25/26 17:18	106-46-7	
Dichlorodifluoromethane	**<34.0**	ug/kg	254	34.0	1	06/25/26 09:21	06/25/26 17:18	75-71-8	
1,1-Dichloroethane	**<17.6**	ug/kg	63.6	17.6	1	06/25/26 09:21	06/25/26 17:18	75-34-3	
1,2-Dichloroethane	**<17.7**	ug/kg	63.6	17.7	1	06/25/26 09:21	06/25/26 17:18	107-06-2	
1,1-Dichloroethene	**<16.9**	ug/kg	63.6	16.9	1	06/25/26 09:21	06/25/26 17:18	75-35-4	
cis-1,2-Dichloroethene	**<19.2**	ug/kg	63.6	19.2	1	06/25/26 09:21	06/25/26 17:18	156-59-2	
trans-1,2-Dichloroethene	**<16.9**	ug/kg	63.6	16.9	1	06/25/26 09:21	06/25/26 17:18	156-60-5	
Dichlorofluoromethane	**<93.4**	ug/kg	636	93.4	1	06/25/26 09:21	06/25/26 17:18	75-43-4	
1,2-Dichloropropane	**<19.3**	ug/kg	63.6	19.3	1	06/25/26 09:21	06/25/26 17:18	78-87-5	
1,3-Dichloropropane	**<20.1**	ug/kg	63.6	20.1	1	06/25/26 09:21	06/25/26 17:18	142-28-9	
2,2-Dichloropropane	**<27.9**	ug/kg	254	27.9	1	06/25/26 09:21	06/25/26 17:18	594-20-7	
1,1-Dichloropropene	**<16.3**	ug/kg	63.6	16.3	1	06/25/26 09:21	06/25/26 17:18	563-58-6	
cis-1,3-Dichloropropene	**<21.6**	ug/kg	63.6	21.6	1	06/25/26 09:21	06/25/26 17:18	10061-01-5	
trans-1,3-Dichloropropene	**<19.8**	ug/kg	63.6	19.8	1	06/25/26 09:21	06/25/26 17:18	10061-02-6	
Diethyl ether (Ethyl ether)	**<43.9**	ug/kg	254	43.9	1	06/25/26 09:21	06/25/26 17:18	60-29-7	
Ethylbenzene	**162**	ug/kg	63.6	21.4	1	06/25/26 09:21	06/25/26 17:18	100-41-4	
Hexachloro-1,3-butadiene	**<39.6**	ug/kg	318	39.6	1	06/25/26 09:21	06/25/26 17:18	87-68-3	
Isopropylbenzene (Cumene)	**70.9**	ug/kg	63.6	15.9	1	06/25/26 09:21	06/25/26 17:18	98-82-8	
p-Isopropyltoluene	**30.5J**	ug/kg	63.6	16.7	1	06/25/26 09:21	06/25/26 17:18	99-87-6	
Methylene Chloride	**<126**	ug/kg	254	126	1	06/25/26 09:21	06/25/26 17:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<123**	ug/kg	318	123	1	06/25/26 09:21	06/25/26 17:18	108-10-1	
Methyl-tert-butyl ether	**<18.6**	ug/kg	63.6	18.6	1	06/25/26 09:21	06/25/26 17:18	1634-04-4	
Naphthalene	**585**	ug/kg	254	25.4	1	06/25/26 09:21	06/25/26 17:18	91-20-3	
n-Propylbenzene	**87.8**	ug/kg	63.6	15.9	1	06/25/26 09:21	06/25/26 17:18	103-65-1	
Styrene	**<20.5**	ug/kg	63.6	20.5	1	06/25/26 09:21	06/25/26 17:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<21.5**	ug/kg	63.6	21.5	1	06/25/26 09:21	06/25/26 17:18	630-20-6	
1,1,2,2-Tetrachloroethane	**<16.4**	ug/kg	63.6	16.4	1	06/25/26 09:21	06/25/26 17:18	79-34-5	
Tetrachloroethene	**<22.1**	ug/kg	63.6	22.1	1	06/25/26 09:21	06/25/26 17:18	127-18-4	
Tetrahydrofuran	**<476**	ug/kg	2540	476	1	06/25/26 09:21	06/25/26 17:18	109-99-9	
Toluene	**507**	ug/kg	63.6	25.4	1	06/25/26 09:21	06/25/26 17:18	108-88-3	
1,2,3-Trichlorobenzene	**<19.8**	ug/kg	63.6	19.8	1	06/25/26 09:21	06/25/26 17:18	87-61-6	
1,2,4-Trichlorobenzene	**<20.6**	ug/kg	63.6	20.6	1	06/25/26 09:21	06/25/26 17:18	120-82-1	
1,1,1-Trichloroethane	**<20.0**	ug/kg	63.6	20.0	1	06/25/26 09:21	06/25/26 17:18	71-55-6	
1,1,2-Trichloroethane	**<19.2**	ug/kg	63.6	19.2	1	06/25/26 09:21	06/25/26 17:18	79-00-5	
Trichloroethene	**<17.2**	ug/kg	63.6	17.2	1	06/25/26 09:21	06/25/26 17:18	79-01-6	
Trichlorofluoromethane	**<74.7**	ug/kg	254	74.7	1	06/25/26 09:21	06/25/26 17:18	75-69-4	
1,2,3-Trichloropropane	**<22.1**	ug/kg	254	22.1	1	06/25/26 09:21	06/25/26 17:18	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<25.8**	ug/kg	254	25.8	1	06/25/26 09:21	06/25/26 17:18	76-13-1	
1,2,4-Trimethylbenzene	**295**	ug/kg	63.6	18.4	1	06/25/26 09:21	06/25/26 17:18	95-63-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP48-1_2-3 **Lab ID: 10777060001** Collected: 06/11/26 10:35 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**59.3J**	ug/kg	63.6	17.8	1	06/25/26 09:21	06/25/26 17:18	108-67-8	
Vinyl chloride	**<11.7**	ug/kg	25.4	11.7	1	06/25/26 09:21	06/25/26 17:18	75-01-4	L2,v2
Xylene (Total)	**1040**	ug/kg	191	36.1	1	06/25/26 09:21	06/25/26 17:18	1330-20-7	
m&p-Xylene	**628**	ug/kg	127	36.1	1	06/25/26 09:21	06/25/26 17:18	179601-23-1	
o-Xylene	**415**	ug/kg	63.6	19.8	1	06/25/26 09:21	06/25/26 17:18	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%.	75-125		1	06/25/26 09:21	06/25/26 17:18	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/25/26 09:21	06/25/26 17:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/25/26 09:21	06/25/26 17:18	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP51-1_0-1 **Lab ID: 10777060002** Collected: 06/11/26 11:00 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**125**	mg/kg	9.6	2.7	1	06/18/26 03:44	06/23/26 17:29		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		1	06/18/26 03:44	06/23/26 17:29		CH,S5
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.8**	mg/kg	15.6	3.8	1	06/27/26 14:08	06/29/26 09:16		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	88	%.	80-200		1	06/27/26 14:08	06/29/26 09:16	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**21.5**	%	0.10	0.10	1		06/26/26 09:49		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<466**	ug/kg	1450	466	1	06/25/26 09:21	06/25/26 17:35	67-64-1	
Allyl chloride	**<128**	ug/kg	290	128	1	06/25/26 09:21	06/25/26 17:35	107-05-1	
Benzene	**<9.8**	ug/kg	29.0	9.8	1	06/25/26 09:21	06/25/26 17:35	71-43-2	
Bromobenzene	**<25.1**	ug/kg	72.5	25.1	1	06/25/26 09:21	06/25/26 17:35	108-86-1	
Bromochloromethane	**<22.9**	ug/kg	72.5	22.9	1	06/25/26 09:21	06/25/26 17:35	74-97-5	
Bromodichloromethane	**<29.6**	ug/kg	72.5	29.6	1	06/25/26 09:21	06/25/26 17:35	75-27-4	
Bromoform	**<139**	ug/kg	290	139	1	06/25/26 09:21	06/25/26 17:35	75-25-2	
Bromomethane	**<252**	ug/kg	725	252	1	06/25/26 09:21	06/25/26 17:35	74-83-9	
2-Butanone (MEK)	**<170**	ug/kg	363	170	1	06/25/26 09:21	06/25/26 17:35	78-93-3	
n-Butylbenzene	**<25.4**	ug/kg	72.5	25.4	1	06/25/26 09:21	06/25/26 17:35	104-51-8	
sec-Butylbenzene	**<18.7**	ug/kg	72.5	18.7	1	06/25/26 09:21	06/25/26 17:35	135-98-8	
tert-Butylbenzene	**<21.3**	ug/kg	72.5	21.3	1	06/25/26 09:21	06/25/26 17:35	98-06-6	
Carbon tetrachloride	**<26.5**	ug/kg	72.5	26.5	1	06/25/26 09:21	06/25/26 17:35	56-23-5	
Chlorobenzene	**<21.2**	ug/kg	72.5	21.2	1	06/25/26 09:21	06/25/26 17:35	108-90-7	
Chloroethane	**<200**	ug/kg	725	200	1	06/25/26 09:21	06/25/26 17:35	75-00-3	
Chloroform	**<28.0**	ug/kg	72.5	28.0	1	06/25/26 09:21	06/25/26 17:35	67-66-3	
Chloromethane	**<44.7**	ug/kg	290	44.7	1	06/25/26 09:21	06/25/26 17:35	74-87-3	
2-Chlorotoluene	**<20.6**	ug/kg	72.5	20.6	1	06/25/26 09:21	06/25/26 17:35	95-49-8	
4-Chlorotoluene	**<21.6**	ug/kg	72.5	21.6	1	06/25/26 09:21	06/25/26 17:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<121**	ug/kg	725	121	1	06/25/26 09:21	06/25/26 17:35	96-12-8	
Dibromochloromethane	**<71.8**	ug/kg	290	71.8	1	06/25/26 09:21	06/25/26 17:35	124-48-1	
1,2-Dibromoethane (EDB)	**<23.2**	ug/kg	72.5	23.2	1	06/25/26 09:21	06/25/26 17:35	106-93-4	
Dibromomethane	**<29.6**	ug/kg	72.5	29.6	1	06/25/26 09:21	06/25/26 17:35	74-95-3	
1,2-Dichlorobenzene	**<21.2**	ug/kg	72.5	21.2	1	06/25/26 09:21	06/25/26 17:35	95-50-1	
1,3-Dichlorobenzene	**<19.4**	ug/kg	72.5	19.4	1	06/25/26 09:21	06/25/26 17:35	541-73-1	
1,4-Dichlorobenzene	**<19.1**	ug/kg	72.5	19.1	1	06/25/26 09:21	06/25/26 17:35	106-46-7	
Dichlorodifluoromethane	**<38.7**	ug/kg	290	38.7	1	06/25/26 09:21	06/25/26 17:35	75-71-8	
1,1-Dichloroethane	**<20.0**	ug/kg	72.5	20.0	1	06/25/26 09:21	06/25/26 17:35	75-34-3	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP51-1_0-1 **Lab ID: 10777060002** Collected: 06/11/26 11:00 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<20.2**	ug/kg	72.5	20.2	1	06/25/26 09:21	06/25/26 17:35	107-06-2	
1,1-Dichloroethene	**<19.3**	ug/kg	72.5	19.3	1	06/25/26 09:21	06/25/26 17:35	75-35-4	
cis-1,2-Dichloroethene	**<21.9**	ug/kg	72.5	21.9	1	06/25/26 09:21	06/25/26 17:35	156-59-2	
trans-1,2-Dichloroethene	**<19.3**	ug/kg	72.5	19.3	1	06/25/26 09:21	06/25/26 17:35	156-60-5	
Dichlorofluoromethane	**<106**	ug/kg	725	106	1	06/25/26 09:21	06/25/26 17:35	75-43-4	
1,2-Dichloropropane	**<22.1**	ug/kg	72.5	22.1	1	06/25/26 09:21	06/25/26 17:35	78-87-5	
1,3-Dichloropropane	**<22.9**	ug/kg	72.5	22.9	1	06/25/26 09:21	06/25/26 17:35	142-28-9	
2,2-Dichloropropane	**<31.8**	ug/kg	290	31.8	1	06/25/26 09:21	06/25/26 17:35	594-20-7	
1,1-Dichloropropene	**<18.6**	ug/kg	72.5	18.6	1	06/25/26 09:21	06/25/26 17:35	563-58-6	
cis-1,3-Dichloropropene	**<24.7**	ug/kg	72.5	24.7	1	06/25/26 09:21	06/25/26 17:35	10061-01-5	
trans-1,3-Dichloropropene	**<22.6**	ug/kg	72.5	22.6	1	06/25/26 09:21	06/25/26 17:35	10061-02-6	
Diethyl ether (Ethyl ether)	**<50.0**	ug/kg	290	50.0	1	06/25/26 09:21	06/25/26 17:35	60-29-7	
Ethylbenzene	**<24.4**	ug/kg	72.5	24.4	1	06/25/26 09:21	06/25/26 17:35	100-41-4	
Hexachloro-1,3-butadiene	**<45.1**	ug/kg	363	45.1	1	06/25/26 09:21	06/25/26 17:35	87-68-3	
Isopropylbenzene (Cumene)	**<18.1**	ug/kg	72.5	18.1	1	06/25/26 09:21	06/25/26 17:35	98-82-8	
p-Isopropyltoluene	**<19.0**	ug/kg	72.5	19.0	1	06/25/26 09:21	06/25/26 17:35	99-87-6	
Methylene Chloride	**<144**	ug/kg	290	144	1	06/25/26 09:21	06/25/26 17:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<140**	ug/kg	363	140	1	06/25/26 09:21	06/25/26 17:35	108-10-1	
Methyl-tert-butyl ether	**<21.2**	ug/kg	72.5	21.2	1	06/25/26 09:21	06/25/26 17:35	1634-04-4	
Naphthalene	**<29.0**	ug/kg	290	29.0	1	06/25/26 09:21	06/25/26 17:35	91-20-3	
n-Propylbenzene	**<18.1**	ug/kg	72.5	18.1	1	06/25/26 09:21	06/25/26 17:35	103-65-1	
Styrene	**<23.4**	ug/kg	72.5	23.4	1	06/25/26 09:21	06/25/26 17:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<24.5**	ug/kg	72.5	24.5	1	06/25/26 09:21	06/25/26 17:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.7**	ug/kg	72.5	18.7	1	06/25/26 09:21	06/25/26 17:35	79-34-5	
Tetrachloroethene	**<25.2**	ug/kg	72.5	25.2	1	06/25/26 09:21	06/25/26 17:35	127-18-4	
Tetrahydrofuran	**<543**	ug/kg	2900	543	1	06/25/26 09:21	06/25/26 17:35	109-99-9	
Toluene	**<29.0**	ug/kg	72.5	29.0	1	06/25/26 09:21	06/25/26 17:35	108-88-3	
1,2,3-Trichlorobenzene	**<22.6**	ug/kg	72.5	22.6	1	06/25/26 09:21	06/25/26 17:35	87-61-6	
1,2,4-Trichlorobenzene	**<23.5**	ug/kg	72.5	23.5	1	06/25/26 09:21	06/25/26 17:35	120-82-1	
1,1,1-Trichloroethane	**<22.8**	ug/kg	72.5	22.8	1	06/25/26 09:21	06/25/26 17:35	71-55-6	
1,1,2-Trichloroethane	**<21.9**	ug/kg	72.5	21.9	1	06/25/26 09:21	06/25/26 17:35	79-00-5	
Trichloroethene	**<19.6**	ug/kg	72.5	19.6	1	06/25/26 09:21	06/25/26 17:35	79-01-6	
Trichlorofluoromethane	**<85.2**	ug/kg	290	85.2	1	06/25/26 09:21	06/25/26 17:35	75-69-4	
1,2,3-Trichloropropane	**<25.2**	ug/kg	290	25.2	1	06/25/26 09:21	06/25/26 17:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<29.4**	ug/kg	290	29.4	1	06/25/26 09:21	06/25/26 17:35	76-13-1	
1,2,4-Trimethylbenzene	**<21.0**	ug/kg	72.5	21.0	1	06/25/26 09:21	06/25/26 17:35	95-63-6	
1,3,5-Trimethylbenzene	**<20.3**	ug/kg	72.5	20.3	1	06/25/26 09:21	06/25/26 17:35	108-67-8	
Vinyl chloride	**<13.4**	ug/kg	29.0	13.4	1	06/25/26 09:21	06/25/26 17:35	75-01-4	L2,v2
Xylene (Total)	**<41.2**	ug/kg	218	41.2	1	06/25/26 09:21	06/25/26 17:35	1330-20-7	
m&p-Xylene	**<41.2**	ug/kg	145	41.2	1	06/25/26 09:21	06/25/26 17:35	179601-23-1	
o-Xylene	**<22.6**	ug/kg	72.5	22.6	1	06/25/26 09:21	06/25/26 17:35	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/25/26 09:21	06/25/26 17:35	2037-26-5	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP51-1_0-1 **Lab ID: 10777060002** Collected: 06/11/26 11:00 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	100	%.	75-125		1	06/25/26 09:21	06/25/26 17:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%.	75-125		1	06/25/26 09:21	06/25/26 17:35	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-COMP-08_0-1 **Lab ID: 10777060003** Collected: 06/11/26 11:02 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.8**	ug/kg	51.6	12.8	1	06/18/26 10:52	06/19/26 23:37	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.1**	ug/kg	51.6	14.1	1	06/18/26 10:52	06/19/26 23:37	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.6**	ug/kg	51.6	16.6	1	06/18/26 10:52	06/19/26 23:37	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.9**	ug/kg	51.6	18.9	1	06/18/26 10:52	06/19/26 23:37	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.7**	ug/kg	51.6	15.7	1	06/18/26 10:52	06/19/26 23:37	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.4**	ug/kg	51.6	17.4	1	06/18/26 10:52	06/19/26 23:37	11097-69-1	
PCB-1260 (Aroclor 1260)	**106**	ug/kg	51.6	15.2	1	06/18/26 10:52	06/19/26 23:37	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	101	%.	30-125		1	06/18/26 10:52	06/19/26 23:37	877-09-8	
Decachlorobiphenyl (S)	85	%.	30-125		1	06/18/26 10:52	06/19/26 23:37	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.7**	mg/kg	0.97	0.16	1	06/24/26 15:09	06/25/26 13:54	7440-38-2	
Barium	**56.1**	mg/kg	0.49	0.073	1	06/24/26 15:09	06/25/26 13:54	7440-39-3	
Cadmium	**0.20**	mg/kg	0.15	0.034	1	06/24/26 15:09	06/25/26 13:54	7440-43-9	
Chromium	**16.3**	mg/kg	0.49	0.15	1	06/24/26 15:09	06/25/26 13:54	7440-47-3	
Lead	**17.1**	mg/kg	0.49	0.22	1	06/24/26 15:09	06/25/26 13:54	7439-92-1	
Selenium	**<0.43**	mg/kg	0.97	0.43	1	06/24/26 15:09	06/25/26 13:54	7782-49-2	
Silver	**<0.039**	mg/kg	0.49	0.039	1	06/24/26 15:09	06/25/26 13:54	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.024**	mg/kg	0.021	0.0090	1	06/24/26 12:37	06/25/26 22:21	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**4.9**	%	0.10	0.10	1		06/26/26 09:50		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-COMP-08_0-1 **Lab ID: 10777060003** Collected: 06/11/26 11:02 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**6.8J**	ug/kg	10.3	1.1	1	06/18/26 03:03	06/23/26 10:08	83-32-9	
Acenaphthylene	**4.7J**	ug/kg	10.3	1.8	1	06/18/26 03:03	06/23/26 10:08	208-96-8	
Anthracene	**9.7J**	ug/kg	10.3	1.2	1	06/18/26 03:03	06/23/26 10:08	120-12-7	
Benzo(a)anthracene	**22.0**	ug/kg	10.3	1.9	1	06/18/26 03:03	06/23/26 10:08	56-55-3	
Benzo(a)pyrene	**15.0**	ug/kg	10.3	1.7	1	06/18/26 03:03	06/23/26 10:08	50-32-8	
Benzo(b)fluoranthene	**24.5**	ug/kg	10.3	2.4	1	06/18/26 03:03	06/23/26 10:08	205-99-2	
Benzo(g,h,i)perylene	**22.0**	ug/kg	10.3	2.3	1	06/18/26 03:03	06/23/26 10:08	191-24-2	
Benzo(k)fluoranthene	**6.0J**	ug/kg	10.3	1.4	1	06/18/26 03:03	06/23/26 10:08	207-08-9	
Chrysene	**26.3**	ug/kg	10.3	1.3	1	06/18/26 03:03	06/23/26 10:08	218-01-9	
Dibenz(a,h)anthracene	**<1.5**	ug/kg	10.3	1.5	1	06/18/26 03:03	06/23/26 10:08	53-70-3	
Fluoranthene	**28.2**	ug/kg	10.3	2.7	1	06/18/26 03:03	06/23/26 10:08	206-44-0	
Fluorene	**12.1**	ug/kg	10.3	1.2	1	06/18/26 03:03	06/23/26 10:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**11.5**	ug/kg	10.3	2.1	1	06/18/26 03:03	06/23/26 10:08	193-39-5	
Naphthalene	**191**	ug/kg	10.3	3.7	1	06/18/26 03:03	06/23/26 10:08	91-20-3	
Phenanthrene	**116**	ug/kg	10.3	2.2	1	06/18/26 03:03	06/23/26 10:08	85-01-8	
Pyrene	**33.2**	ug/kg	10.3	2.1	1	06/18/26 03:03	06/23/26 10:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%.	61-125		1	06/18/26 03:03	06/23/26 10:08	321-60-8	
p-Terphenyl-d14 (S)	71	%.	61-125		1	06/18/26 03:03	06/23/26 10:08	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP53-1_0-1 **Lab ID: 10777060004** Collected: 06/11/26 11:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**109**	mg/kg	17.5	4.9	2	06/18/26 03:44	06/23/26 17:08		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		2	06/18/26 03:44	06/23/26 17:08		CH,S5
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.6**	mg/kg	10.8	2.6	1	06/27/26 14:08	06/29/26 08:54		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%.	80-200		1	06/27/26 14:08	06/29/26 08:54	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**3.9**	%	0.10	0.10	1		06/26/26 09:50		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<353**	ug/kg	1100	353	1	06/25/26 09:21	06/25/26 17:51	67-64-1	
Allyl chloride	**<97.1**	ug/kg	220	97.1	1	06/25/26 09:21	06/25/26 17:51	107-05-1	
Benzene	**<7.4**	ug/kg	22.0	7.4	1	06/25/26 09:21	06/25/26 17:51	71-43-2	
Bromobenzene	**<19.0**	ug/kg	55.0	19.0	1	06/25/26 09:21	06/25/26 17:51	108-86-1	
Bromochloromethane	**<17.4**	ug/kg	55.0	17.4	1	06/25/26 09:21	06/25/26 17:51	74-97-5	
Bromodichloromethane	**<22.5**	ug/kg	55.0	22.5	1	06/25/26 09:21	06/25/26 17:51	75-27-4	
Bromoform	**<105**	ug/kg	220	105	1	06/25/26 09:21	06/25/26 17:51	75-25-2	
Bromomethane	**<192**	ug/kg	550	192	1	06/25/26 09:21	06/25/26 17:51	74-83-9	
2-Butanone (MEK)	**<129**	ug/kg	275	129	1	06/25/26 09:21	06/25/26 17:51	78-93-3	
n-Butylbenzene	**<19.3**	ug/kg	55.0	19.3	1	06/25/26 09:21	06/25/26 17:51	104-51-8	
sec-Butylbenzene	**<14.2**	ug/kg	55.0	14.2	1	06/25/26 09:21	06/25/26 17:51	135-98-8	
tert-Butylbenzene	**<16.2**	ug/kg	55.0	16.2	1	06/25/26 09:21	06/25/26 17:51	98-06-6	
Carbon tetrachloride	**<20.1**	ug/kg	55.0	20.1	1	06/25/26 09:21	06/25/26 17:51	56-23-5	
Chlorobenzene	**<16.1**	ug/kg	55.0	16.1	1	06/25/26 09:21	06/25/26 17:51	108-90-7	
Chloroethane	**<152**	ug/kg	550	152	1	06/25/26 09:21	06/25/26 17:51	75-00-3	
Chloroform	**<21.2**	ug/kg	55.0	21.2	1	06/25/26 09:21	06/25/26 17:51	67-66-3	
Chloromethane	**<33.9**	ug/kg	220	33.9	1	06/25/26 09:21	06/25/26 17:51	74-87-3	
2-Chlorotoluene	**<15.6**	ug/kg	55.0	15.6	1	06/25/26 09:21	06/25/26 17:51	95-49-8	
4-Chlorotoluene	**<16.4**	ug/kg	55.0	16.4	1	06/25/26 09:21	06/25/26 17:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<91.7**	ug/kg	550	91.7	1	06/25/26 09:21	06/25/26 17:51	96-12-8	
Dibromochloromethane	**<54.5**	ug/kg	220	54.5	1	06/25/26 09:21	06/25/26 17:51	124-48-1	
1,2-Dibromoethane (EDB)	**<17.6**	ug/kg	55.0	17.6	1	06/25/26 09:21	06/25/26 17:51	106-93-4	
Dibromomethane	**<22.5**	ug/kg	55.0	22.5	1	06/25/26 09:21	06/25/26 17:51	74-95-3	
1,2-Dichlorobenzene	**<16.1**	ug/kg	55.0	16.1	1	06/25/26 09:21	06/25/26 17:51	95-50-1	
1,3-Dichlorobenzene	**<14.8**	ug/kg	55.0	14.8	1	06/25/26 09:21	06/25/26 17:51	541-73-1	
1,4-Dichlorobenzene	**<14.5**	ug/kg	55.0	14.5	1	06/25/26 09:21	06/25/26 17:51	106-46-7	
Dichlorodifluoromethane	**<29.4**	ug/kg	220	29.4	1	06/25/26 09:21	06/25/26 17:51	75-71-8	
1,1-Dichloroethane	**<15.2**	ug/kg	55.0	15.2	1	06/25/26 09:21	06/25/26 17:51	75-34-3	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP53-1_0-1 **Lab ID: 10777060004** Collected: 06/11/26 11:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<15.3**	ug/kg	55.0	15.3	1	06/25/26 09:21	06/25/26 17:51	107-06-2	
1,1-Dichloroethene	**<14.6**	ug/kg	55.0	14.6	1	06/25/26 09:21	06/25/26 17:51	75-35-4	
cis-1,2-Dichloroethene	**<16.6**	ug/kg	55.0	16.6	1	06/25/26 09:21	06/25/26 17:51	156-59-2	
trans-1,2-Dichloroethene	**<14.6**	ug/kg	55.0	14.6	1	06/25/26 09:21	06/25/26 17:51	156-60-5	
Dichlorofluoromethane	**<80.8**	ug/kg	550	80.8	1	06/25/26 09:21	06/25/26 17:51	75-43-4	
1,2-Dichloropropane	**<16.7**	ug/kg	55.0	16.7	1	06/25/26 09:21	06/25/26 17:51	78-87-5	
1,3-Dichloropropane	**<17.4**	ug/kg	55.0	17.4	1	06/25/26 09:21	06/25/26 17:51	142-28-9	
2,2-Dichloropropane	**<24.1**	ug/kg	220	24.1	1	06/25/26 09:21	06/25/26 17:51	594-20-7	
1,1-Dichloropropene	**<14.1**	ug/kg	55.0	14.1	1	06/25/26 09:21	06/25/26 17:51	563-58-6	
cis-1,3-Dichloropropene	**<18.7**	ug/kg	55.0	18.7	1	06/25/26 09:21	06/25/26 17:51	10061-01-5	
trans-1,3-Dichloropropene	**<17.2**	ug/kg	55.0	17.2	1	06/25/26 09:21	06/25/26 17:51	10061-02-6	
Diethyl ether (Ethyl ether)	**<38.0**	ug/kg	220	38.0	1	06/25/26 09:21	06/25/26 17:51	60-29-7	
Ethylbenzene	**<18.5**	ug/kg	55.0	18.5	1	06/25/26 09:21	06/25/26 17:51	100-41-4	
Hexachloro-1,3-butadiene	**<34.2**	ug/kg	275	34.2	1	06/25/26 09:21	06/25/26 17:51	87-68-3	
Isopropylbenzene (Cumene)	**<13.8**	ug/kg	55.0	13.8	1	06/25/26 09:21	06/25/26 17:51	98-82-8	
p-Isopropyltoluene	**<14.4**	ug/kg	55.0	14.4	1	06/25/26 09:21	06/25/26 17:51	99-87-6	
Methylene Chloride	**<109**	ug/kg	220	109	1	06/25/26 09:21	06/25/26 17:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<106**	ug/kg	275	106	1	06/25/26 09:21	06/25/26 17:51	108-10-1	
Methyl-tert-butyl ether	**<16.1**	ug/kg	55.0	16.1	1	06/25/26 09:21	06/25/26 17:51	1634-04-4	
Naphthalene	**<22.0**	ug/kg	220	22.0	1	06/25/26 09:21	06/25/26 17:51	91-20-3	
n-Propylbenzene	**<13.8**	ug/kg	55.0	13.8	1	06/25/26 09:21	06/25/26 17:51	103-65-1	
Styrene	**<17.7**	ug/kg	55.0	17.7	1	06/25/26 09:21	06/25/26 17:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<18.6**	ug/kg	55.0	18.6	1	06/25/26 09:21	06/25/26 17:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<14.2**	ug/kg	55.0	14.2	1	06/25/26 09:21	06/25/26 17:51	79-34-5	
Tetrachloroethene	**<19.2**	ug/kg	55.0	19.2	1	06/25/26 09:21	06/25/26 17:51	127-18-4	
Tetrahydrofuran	**<412**	ug/kg	2200	412	1	06/25/26 09:21	06/25/26 17:51	109-99-9	
Toluene	**<22.0**	ug/kg	55.0	22.0	1	06/25/26 09:21	06/25/26 17:51	108-88-3	
1,2,3-Trichlorobenzene	**<17.2**	ug/kg	55.0	17.2	1	06/25/26 09:21	06/25/26 17:51	87-61-6	
1,2,4-Trichlorobenzene	**<17.8**	ug/kg	55.0	17.8	1	06/25/26 09:21	06/25/26 17:51	120-82-1	
1,1,1-Trichloroethane	**<17.3**	ug/kg	55.0	17.3	1	06/25/26 09:21	06/25/26 17:51	71-55-6	
1,1,2-Trichloroethane	**<16.6**	ug/kg	55.0	16.6	1	06/25/26 09:21	06/25/26 17:51	79-00-5	
Trichloroethene	**<14.9**	ug/kg	55.0	14.9	1	06/25/26 09:21	06/25/26 17:51	79-01-6	
Trichlorofluoromethane	**<64.6**	ug/kg	220	64.6	1	06/25/26 09:21	06/25/26 17:51	75-69-4	
1,2,3-Trichloropropane	**<19.2**	ug/kg	220	19.2	1	06/25/26 09:21	06/25/26 17:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<22.3**	ug/kg	220	22.3	1	06/25/26 09:21	06/25/26 17:51	76-13-1	
1,2,4-Trimethylbenzene	**<16.0**	ug/kg	55.0	16.0	1	06/25/26 09:21	06/25/26 17:51	95-63-6	
1,3,5-Trimethylbenzene	**<15.4**	ug/kg	55.0	15.4	1	06/25/26 09:21	06/25/26 17:51	108-67-8	
Vinyl chloride	**<10.1**	ug/kg	22.0	10.1	1	06/25/26 09:21	06/25/26 17:51	75-01-4	L2,v2
Xylene (Total)	**<31.3**	ug/kg	165	31.3	1	06/25/26 09:21	06/25/26 17:51	1330-20-7	
m&p-Xylene	**<31.3**	ug/kg	110	31.3	1	06/25/26 09:21	06/25/26 17:51	179601-23-1	
o-Xylene	**<17.2**	ug/kg	55.0	17.2	1	06/25/26 09:21	06/25/26 17:51	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/25/26 09:21	06/25/26 17:51	2037-26-5	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP53-1_0-1 **Lab ID: 10777060004** Collected: 06/11/26 11:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/25/26 09:21	06/25/26 17:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/25/26 09:21	06/25/26 17:51	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-COMP-09_0-1 **Lab ID: 10777060005** Collected: 06/11/26 12:07 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.6**	ug/kg	50.8	12.6	1	06/18/26 10:52	06/19/26 23:53	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.9**	ug/kg	50.8	13.9	1	06/18/26 10:52	06/19/26 23:53	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.4**	ug/kg	50.8	16.4	1	06/18/26 10:52	06/19/26 23:53	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.6**	ug/kg	50.8	18.6	1	06/18/26 10:52	06/19/26 23:53	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.4**	ug/kg	50.8	15.4	1	06/18/26 10:52	06/19/26 23:53	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.2**	ug/kg	50.8	17.2	1	06/18/26 10:52	06/19/26 23:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**28.0J**	ug/kg	50.8	14.9	1	06/18/26 10:52	06/19/26 23:53	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	94	%.	30-125		1	06/18/26 10:52	06/19/26 23:53	877-09-8	
Decachlorobiphenyl (S)	82	%.	30-125		1	06/18/26 10:52	06/19/26 23:53	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.6**	mg/kg	1.0	0.17	1	06/24/26 15:09	06/25/26 13:55	7440-38-2	
Barium	**93.2**	mg/kg	0.51	0.075	1	06/24/26 15:09	06/25/26 13:55	7440-39-3	
Cadmium	**0.11J**	mg/kg	0.15	0.035	1	06/24/26 15:09	06/25/26 13:55	7440-43-9	
Chromium	**14.1**	mg/kg	0.51	0.15	1	06/24/26 15:09	06/25/26 13:55	7440-47-3	
Lead	**6.0**	mg/kg	0.51	0.23	1	06/24/26 15:09	06/25/26 13:55	7439-92-1	
Selenium	**<0.44**	mg/kg	1.0	0.44	1	06/24/26 15:09	06/25/26 13:55	7782-49-2	
Silver	**<0.040**	mg/kg	0.51	0.040	1	06/24/26 15:09	06/25/26 13:55	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**<0.0082**	mg/kg	0.019	0.0082	1	06/24/26 12:37	06/25/26 22:23	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**5.4**	%	0.10	0.10	1		06/26/26 09:50		N2

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-COMP-09_0-1 **Lab ID: 10777060005** Collected: 06/11/26 12:07 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.1**	ug/kg	10.3	1.1	1	06/18/26 03:03	06/23/26 10:30	83-32-9	
Acenaphthylene	**<1.8**	ug/kg	10.3	1.8	1	06/18/26 03:03	06/23/26 10:30	208-96-8	
Anthracene	**1.5J**	ug/kg	10.3	1.2	1	06/18/26 03:03	06/23/26 10:30	120-12-7	
Benzo(a)anthracene	**<1.9**	ug/kg	10.3	1.9	1	06/18/26 03:03	06/23/26 10:30	56-55-3	
Benzo(a)pyrene	**<1.7**	ug/kg	10.3	1.7	1	06/18/26 03:03	06/23/26 10:30	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	10.3	2.4	1	06/18/26 03:03	06/23/26 10:30	205-99-2	
Benzo(g,h,i)perylene	**<2.3**	ug/kg	10.3	2.3	1	06/18/26 03:03	06/23/26 10:30	191-24-2	
Benzo(k)fluoranthene	**<1.4**	ug/kg	10.3	1.4	1	06/18/26 03:03	06/23/26 10:30	207-08-9	
Chrysene	**1.9J**	ug/kg	10.3	1.3	1	06/18/26 03:03	06/23/26 10:30	218-01-9	
Dibenz(a,h)anthracene	**<1.5**	ug/kg	10.3	1.5	1	06/18/26 03:03	06/23/26 10:30	53-70-3	
Fluoranthene	**<2.7**	ug/kg	10.3	2.7	1	06/18/26 03:03	06/23/26 10:30	206-44-0	
Fluorene	**1.4J**	ug/kg	10.3	1.2	1	06/18/26 03:03	06/23/26 10:30	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.1**	ug/kg	10.3	2.1	1	06/18/26 03:03	06/23/26 10:30	193-39-5	
Naphthalene	**10.3**	ug/kg	10.3	3.7	1	06/18/26 03:03	06/23/26 10:30	91-20-3	
Phenanthrene	**7.5J**	ug/kg	10.3	2.2	1	06/18/26 03:03	06/23/26 10:30	85-01-8	
Pyrene	**<2.1**	ug/kg	10.3	2.1	1	06/18/26 03:03	06/23/26 10:30	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%.	61-125		1	06/18/26 03:03	06/23/26 10:30	321-60-8	
p-Terphenyl-d14 (S)	71	%.	61-125		1	06/18/26 03:03	06/23/26 10:30	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP57-1_0.5-3 **Lab ID: 10777060006** Collected: 06/11/26 14:25 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.2**	ug/kg	53.1	13.2	1	06/18/26 10:52	06/20/26 00:09	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.5**	ug/kg	53.1	14.5	1	06/18/26 10:52	06/20/26 00:09	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.1**	ug/kg	53.1	17.1	1	06/18/26 10:52	06/20/26 00:09	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.4**	ug/kg	53.1	19.4	1	06/18/26 10:52	06/20/26 00:09	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.1**	ug/kg	53.1	16.1	1	06/18/26 10:52	06/20/26 00:09	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.9**	ug/kg	53.1	17.9	1	06/18/26 10:52	06/20/26 00:09	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.6**	ug/kg	53.1	15.6	1	06/18/26 10:52	06/20/26 00:09	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	58	%.	30-125		1	06/18/26 10:52	06/20/26 00:09	877-09-8	
Decachlorobiphenyl (S)	72	%.	30-125		1	06/18/26 10:52	06/20/26 00:09	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**<3.0**	mg/kg	10.6	3.0	1	06/18/26 03:44	06/23/26 18:39		
Surrogates									
n-Triacontane (S)	100	%.	50-150		1	06/18/26 03:44	06/23/26 18:39		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**5.1J**	mg/kg	14.6	3.6	1	06/27/26 14:08	06/29/26 08:32		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	87	%.	80-200		1	06/27/26 14:08	06/29/26 08:32	98-08-8	
6010D MET ICP, TCLP MICRO	Analytical Method: EPA 6010D Preparation Method: EPA 3015A Leachate Method/Date: EPA 1311; 07/21/26 14:25 Pace Analytical Services - Minneapolis								
Lead	**3.1**	mg/L	0.10	0.010	1	07/22/26 08:18	07/22/26 13:54	7439-92-1	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**58.4**	mg/kg	1.1	0.18	1	06/24/26 15:09	06/25/26 13:57	7440-38-2	
Barium	**73.3**	mg/kg	0.54	0.080	1	06/24/26 15:09	06/25/26 13:57	7440-39-3	
Cadmium	**0.84**	mg/kg	0.16	0.038	1	06/24/26 15:09	06/25/26 13:57	7440-43-9	
Chromium	**21.6**	mg/kg	0.54	0.16	1	06/24/26 15:09	06/25/26 13:57	7440-47-3	
Lead	**33600**	mg/kg	5.4	2.4	10	06/24/26 15:09	06/25/26 14:47	7439-92-1	
Selenium	**<0.47**	mg/kg	1.1	0.47	1	06/24/26 15:09	06/25/26 13:57	7782-49-2	
Silver	**5.0**	mg/kg	0.54	0.043	1	06/24/26 15:09	06/25/26 13:57	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.057**	mg/kg	0.019	0.0084	1	06/24/26 12:37	06/25/26 22:25	7439-97-6	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP57-1_0.5-3 **Lab ID: 10777060006** Collected: 06/11/26 14:25 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**9.4**	%	0.10	0.10	1		06/26/26 09:50		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<6.0**	ug/kg	54.7	6.0	5	06/18/26 03:03	06/23/26 11:13	83-32-9	
Acenaphthylene	**<9.6**	ug/kg	54.7	9.6	5	06/18/26 03:03	06/23/26 11:13	208-96-8	
Anthracene	**<6.3**	ug/kg	54.7	6.3	5	06/18/26 03:03	06/23/26 11:13	120-12-7	
Benzo(a)anthracene	**557**	ug/kg	54.7	10.1	5	06/18/26 03:03	06/23/26 11:13	56-55-3	
Benzo(a)pyrene	**233**	ug/kg	54.7	9.1	5	06/18/26 03:03	06/23/26 11:13	50-32-8	
Benzo(b)fluoranthene	**1250**	ug/kg	54.7	12.6	5	06/18/26 03:03	06/23/26 11:13	205-99-2	
Benzo(g,h,i)perylene	**453**	ug/kg	54.7	12.1	5	06/18/26 03:03	06/23/26 11:13	191-24-2	
Benzo(k)fluoranthene	**280**	ug/kg	54.7	7.2	5	06/18/26 03:03	06/23/26 11:13	207-08-9	
Chrysene	**1980**	ug/kg	54.7	7.1	5	06/18/26 03:03	06/23/26 11:13	218-01-9	
Dibenz(a,h)anthracene	**180**	ug/kg	54.7	7.8	5	06/18/26 03:03	06/23/26 11:13	53-70-3	
Fluoranthene	**768**	ug/kg	54.7	14.2	5	06/18/26 03:03	06/23/26 11:13	206-44-0	
Fluorene	**<6.2**	ug/kg	54.7	6.2	5	06/18/26 03:03	06/23/26 11:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**458**	ug/kg	54.7	11.1	5	06/18/26 03:03	06/23/26 11:13	193-39-5	
Naphthalene	**599**	ug/kg	54.7	19.5	5	06/18/26 03:03	06/23/26 11:13	91-20-3	
Phenanthrene	**643**	ug/kg	54.7	11.9	5	06/18/26 03:03	06/23/26 11:13	85-01-8	
Pyrene	**1630**	ug/kg	54.7	11.3	5	06/18/26 03:03	06/23/26 11:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%.	61-125		5	06/18/26 03:03	06/23/26 11:13	321-60-8	D3
p-Terphenyl-d14 (S)	101	%.	61-125		5	06/18/26 03:03	06/23/26 11:13	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<460**	ug/kg	1430	460	1	06/25/26 09:21	06/25/26 18:08	67-64-1	
Allyl chloride	**<126**	ug/kg	286	126	1	06/25/26 09:21	06/25/26 18:08	107-05-1	
Benzene	**113**	ug/kg	28.6	9.6	1	06/25/26 09:21	06/25/26 18:08	71-43-2	
Bromobenzene	**<24.8**	ug/kg	71.6	24.8	1	06/25/26 09:21	06/25/26 18:08	108-86-1	
Bromochloromethane	**<22.6**	ug/kg	71.6	22.6	1	06/25/26 09:21	06/25/26 18:08	74-97-5	
Bromodichloromethane	**<29.2**	ug/kg	71.6	29.2	1	06/25/26 09:21	06/25/26 18:08	75-27-4	
Bromoform	**<137**	ug/kg	286	137	1	06/25/26 09:21	06/25/26 18:08	75-25-2	
Bromomethane	**<249**	ug/kg	716	249	1	06/25/26 09:21	06/25/26 18:08	74-83-9	
2-Butanone (MEK)	**<168**	ug/kg	358	168	1	06/25/26 09:21	06/25/26 18:08	78-93-3	
n-Butylbenzene	**69.2J**	ug/kg	71.6	25.1	1	06/25/26 09:21	06/25/26 18:08	104-51-8	
sec-Butylbenzene	**<18.5**	ug/kg	71.6	18.5	1	06/25/26 09:21	06/25/26 18:08	135-98-8	
tert-Butylbenzene	**<21.1**	ug/kg	71.6	21.1	1	06/25/26 09:21	06/25/26 18:08	98-06-6	
Carbon tetrachloride	**<26.2**	ug/kg	71.6	26.2	1	06/25/26 09:21	06/25/26 18:08	56-23-5	
Chlorobenzene	**<20.9**	ug/kg	71.6	20.9	1	06/25/26 09:21	06/25/26 18:08	108-90-7	
Chloroethane	**<198**	ug/kg	716	198	1	06/25/26 09:21	06/25/26 18:08	75-00-3	
Chloroform	**<27.6**	ug/kg	71.6	27.6	1	06/25/26 09:21	06/25/26 18:08	67-66-3	
Chloromethane	**<44.1**	ug/kg	286	44.1	1	06/25/26 09:21	06/25/26 18:08	74-87-3	
2-Chlorotoluene	**<20.3**	ug/kg	71.6	20.3	1	06/25/26 09:21	06/25/26 18:08	95-49-8	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP57-1_0.5-3 **Lab ID: 10777060006** Collected: 06/11/26 14:25 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
4-Chlorotoluene	**<21.3**	ug/kg	71.6	21.3	1	06/25/26 09:21	06/25/26 18:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<119**	ug/kg	716	119	1	06/25/26 09:21	06/25/26 18:08	96-12-8	
Dibromochloromethane	**<70.9**	ug/kg	286	70.9	1	06/25/26 09:21	06/25/26 18:08	124-48-1	
1,2-Dibromoethane (EDB)	**<22.9**	ug/kg	71.6	22.9	1	06/25/26 09:21	06/25/26 18:08	106-93-4	
Dibromomethane	**<29.2**	ug/kg	71.6	29.2	1	06/25/26 09:21	06/25/26 18:08	74-95-3	
1,2-Dichlorobenzene	**70.8J**	ug/kg	71.6	20.9	1	06/25/26 09:21	06/25/26 18:08	95-50-1	
1,3-Dichlorobenzene	**<19.2**	ug/kg	71.6	19.2	1	06/25/26 09:21	06/25/26 18:08	541-73-1	
1,4-Dichlorobenzene	**<18.9**	ug/kg	71.6	18.9	1	06/25/26 09:21	06/25/26 18:08	106-46-7	
Dichlorodifluoromethane	**<38.2**	ug/kg	286	38.2	1	06/25/26 09:21	06/25/26 18:08	75-71-8	
1,1-Dichloroethane	**<19.8**	ug/kg	71.6	19.8	1	06/25/26 09:21	06/25/26 18:08	75-34-3	
1,2-Dichloroethane	**<19.9**	ug/kg	71.6	19.9	1	06/25/26 09:21	06/25/26 18:08	107-06-2	
1,1-Dichloroethene	**<19.0**	ug/kg	71.6	19.0	1	06/25/26 09:21	06/25/26 18:08	75-35-4	
cis-1,2-Dichloroethene	**<21.6**	ug/kg	71.6	21.6	1	06/25/26 09:21	06/25/26 18:08	156-59-2	
trans-1,2-Dichloroethene	**<19.0**	ug/kg	71.6	19.0	1	06/25/26 09:21	06/25/26 18:08	156-60-5	
Dichlorofluoromethane	**<105**	ug/kg	716	105	1	06/25/26 09:21	06/25/26 18:08	75-43-4	
1,2-Dichloropropane	**<21.8**	ug/kg	71.6	21.8	1	06/25/26 09:21	06/25/26 18:08	78-87-5	
1,3-Dichloropropane	**<22.6**	ug/kg	71.6	22.6	1	06/25/26 09:21	06/25/26 18:08	142-28-9	
2,2-Dichloropropane	**<31.4**	ug/kg	286	31.4	1	06/25/26 09:21	06/25/26 18:08	594-20-7	
1,1-Dichloropropene	**<18.3**	ug/kg	71.6	18.3	1	06/25/26 09:21	06/25/26 18:08	563-58-6	
cis-1,3-Dichloropropene	**<24.3**	ug/kg	71.6	24.3	1	06/25/26 09:21	06/25/26 18:08	10061-01-5	
trans-1,3-Dichloropropene	**<22.3**	ug/kg	71.6	22.3	1	06/25/26 09:21	06/25/26 18:08	10061-02-6	
Diethyl ether (Ethyl ether)	**<49.4**	ug/kg	286	49.4	1	06/25/26 09:21	06/25/26 18:08	60-29-7	
Ethylbenzene	**115**	ug/kg	71.6	24.1	1	06/25/26 09:21	06/25/26 18:08	100-41-4	
Hexachloro-1,3-butadiene	**<44.5**	ug/kg	358	44.5	1	06/25/26 09:21	06/25/26 18:08	87-68-3	
Isopropylbenzene (Cumene)	**47.4J**	ug/kg	71.6	17.9	1	06/25/26 09:21	06/25/26 18:08	98-82-8	
p-Isopropyltoluene	**24.5J**	ug/kg	71.6	18.8	1	06/25/26 09:21	06/25/26 18:08	99-87-6	
Methylene Chloride	**<142**	ug/kg	286	142	1	06/25/26 09:21	06/25/26 18:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<138**	ug/kg	358	138	1	06/25/26 09:21	06/25/26 18:08	108-10-1	
Methyl-tert-butyl ether	**<20.9**	ug/kg	71.6	20.9	1	06/25/26 09:21	06/25/26 18:08	1634-04-4	
Naphthalene	**594**	ug/kg	286	28.6	1	06/25/26 09:21	06/25/26 18:08	91-20-3	
n-Propylbenzene	**93.1**	ug/kg	71.6	17.9	1	06/25/26 09:21	06/25/26 18:08	103-65-1	
Styrene	**<23.1**	ug/kg	71.6	23.1	1	06/25/26 09:21	06/25/26 18:08	100-42-5	
1,1,1,2-Tetrachloroethane	**<24.2**	ug/kg	71.6	24.2	1	06/25/26 09:21	06/25/26 18:08	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.5**	ug/kg	71.6	18.5	1	06/25/26 09:21	06/25/26 18:08	79-34-5	
Tetrachloroethene	**<24.9**	ug/kg	71.6	24.9	1	06/25/26 09:21	06/25/26 18:08	127-18-4	
Tetrahydrofuran	**<536**	ug/kg	2860	536	1	06/25/26 09:21	06/25/26 18:08	109-99-9	
Toluene	**459**	ug/kg	71.6	28.6	1	06/25/26 09:21	06/25/26 18:08	108-88-3	
1,2,3-Trichlorobenzene	**<22.3**	ug/kg	71.6	22.3	1	06/25/26 09:21	06/25/26 18:08	87-61-6	
1,2,4-Trichlorobenzene	**<23.2**	ug/kg	71.6	23.2	1	06/25/26 09:21	06/25/26 18:08	120-82-1	
1,1,1-Trichloroethane	**<22.5**	ug/kg	71.6	22.5	1	06/25/26 09:21	06/25/26 18:08	71-55-6	
1,1,2-Trichloroethane	**<21.6**	ug/kg	71.6	21.6	1	06/25/26 09:21	06/25/26 18:08	79-00-5	
Trichloroethene	**<19.3**	ug/kg	71.6	19.3	1	06/25/26 09:21	06/25/26 18:08	79-01-6	
Trichlorofluoromethane	**<84.1**	ug/kg	286	84.1	1	06/25/26 09:21	06/25/26 18:08	75-69-4	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP57-1_0.5-3 **Lab ID: 10777060006** Collected: 06/11/26 14:25 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2,3-Trichloropropane	**<24.9**	ug/kg	286	24.9	1	06/25/26 09:21	06/25/26 18:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<29.1**	ug/kg	286	29.1	1	06/25/26 09:21	06/25/26 18:08	76-13-1	
1,2,4-Trimethylbenzene	**312**	ug/kg	71.6	20.8	1	06/25/26 09:21	06/25/26 18:08	95-63-6	
1,3,5-Trimethylbenzene	**73.9**	ug/kg	71.6	20.0	1	06/25/26 09:21	06/25/26 18:08	108-67-8	
Vinyl chloride	**<13.2**	ug/kg	28.6	13.2	1	06/25/26 09:21	06/25/26 18:08	75-01-4	L2,v2
Xylene (Total)	**1000**	ug/kg	215	40.7	1	06/25/26 09:21	06/25/26 18:08	1330-20-7	
m&p-Xylene	**612**	ug/kg	143	40.7	1	06/25/26 09:21	06/25/26 18:08	179601-23-1	
o-Xylene	**392**	ug/kg	71.6	22.3	1	06/25/26 09:21	06/25/26 18:08	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/25/26 09:21	06/25/26 18:08	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/25/26 09:21	06/25/26 18:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/25/26 09:21	06/25/26 18:08	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP58-1_1-2 **Lab ID: 10777060007** Collected: 06/11/26 14:30 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<14.0**	ug/kg	56.4	14.0	1	06/18/26 10:52	06/20/26 00:25	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.5**	ug/kg	56.4	15.5	1	06/18/26 10:52	06/20/26 00:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.2**	ug/kg	56.4	18.2	1	06/18/26 10:52	06/20/26 00:25	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.7**	ug/kg	56.4	20.7	1	06/18/26 10:52	06/20/26 00:25	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.2**	ug/kg	56.4	17.2	1	06/18/26 10:52	06/20/26 00:25	12672-29-6	
PCB-1254 (Aroclor 1254)	**<19.1**	ug/kg	56.4	19.1	1	06/18/26 10:52	06/20/26 00:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.6**	ug/kg	56.4	16.6	1	06/18/26 10:52	06/20/26 00:25	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	96	%.	30-125		1	06/18/26 10:52	06/20/26 00:25	877-09-8	
Decachlorobiphenyl (S)	73	%.	30-125		1	06/18/26 10:52	06/20/26 00:25	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**334**	mg/kg	98.8	27.7	10	06/18/26 03:44	06/23/26 16:53		T6
Surrogates									
n-Triacontane (S)	83	%.	50-150		10	06/18/26 03:44	06/23/26 16:53		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**3.5J**	mg/kg	13.2	3.2	1	06/27/26 14:08	06/29/26 08:10		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	87	%.	80-200		1	06/27/26 14:08	06/29/26 08:10	98-08-8	
6010D MET ICP, TCLP MICRO	Analytical Method: EPA 6010D Preparation Method: EPA 3015A Leachate Method/Date: EPA 1311; 07/21/26 14:25 Pace Analytical Services - Minneapolis								
Lead	**0.029J**	mg/L	0.10	0.010	1	07/22/26 08:18	07/22/26 13:56	7439-92-1	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**6.6**	mg/kg	1.1	0.19	1	06/24/26 15:09	06/25/26 13:59	7440-38-2	
Barium	**74.9**	mg/kg	0.57	0.084	1	06/24/26 15:09	06/25/26 13:59	7440-39-3	
Cadmium	**0.40**	mg/kg	0.17	0.040	1	06/24/26 15:09	06/25/26 13:59	7440-43-9	
Chromium	**16.9**	mg/kg	0.57	0.17	1	06/24/26 15:09	06/25/26 13:59	7440-47-3	
Lead	**113**	mg/kg	0.57	0.25	1	06/24/26 15:09	06/25/26 13:59	7439-92-1	
Selenium	**0.62J**	mg/kg	1.1	0.49	1	06/24/26 15:09	06/25/26 13:59	7782-49-2	
Silver	**<0.045**	mg/kg	0.57	0.045	1	06/24/26 15:09	06/25/26 13:59	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.036**	mg/kg	0.021	0.0093	1	06/24/26 12:37	06/25/26 22:26	7439-97-6	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP58-1_1-2 **Lab ID: 10777060007** Collected: 06/11/26 14:30 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**13.1**	%	0.10	0.10	1		06/26/26 09:51		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**4.9J**	ug/kg	11.4	1.3	1	06/18/26 03:03	06/23/26 10:51	83-32-9	
Acenaphthylene	**5.3J**	ug/kg	11.4	2.0	1	06/18/26 03:03	06/23/26 10:51	208-96-8	
Anthracene	**15.2**	ug/kg	11.4	1.3	1	06/18/26 03:03	06/23/26 10:51	120-12-7	
Benzo(a)anthracene	**32.8**	ug/kg	11.4	2.1	1	06/18/26 03:03	06/23/26 10:51	56-55-3	
Benzo(a)pyrene	**19.2**	ug/kg	11.4	1.9	1	06/18/26 03:03	06/23/26 10:51	50-32-8	
Benzo(b)fluoranthene	**53.7**	ug/kg	11.4	2.6	1	06/18/26 03:03	06/23/26 10:51	205-99-2	
Benzo(g,h,i)perylene	**38.5**	ug/kg	11.4	2.5	1	06/18/26 03:03	06/23/26 10:51	191-24-2	
Benzo(k)fluoranthene	**11.9**	ug/kg	11.4	1.5	1	06/18/26 03:03	06/23/26 10:51	207-08-9	
Chrysene	**73.1**	ug/kg	11.4	1.5	1	06/18/26 03:03	06/23/26 10:51	218-01-9	
Dibenz(a,h)anthracene	**8.8J**	ug/kg	11.4	1.6	1	06/18/26 03:03	06/23/26 10:51	53-70-3	
Fluoranthene	**42.3**	ug/kg	11.4	3.0	1	06/18/26 03:03	06/23/26 10:51	206-44-0	
Fluorene	**9.3J**	ug/kg	11.4	1.3	1	06/18/26 03:03	06/23/26 10:51	86-73-7	
Indeno(1,2,3-cd)pyrene	**28.5**	ug/kg	11.4	2.3	1	06/18/26 03:03	06/23/26 10:51	193-39-5	
Naphthalene	**141**	ug/kg	11.4	4.1	1	06/18/26 03:03	06/23/26 10:51	91-20-3	
Phenanthrene	**165**	ug/kg	11.4	2.5	1	06/18/26 03:03	06/23/26 10:51	85-01-8	
Pyrene	**35.2**	ug/kg	11.4	2.4	1	06/18/26 03:03	06/23/26 10:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%.	61-125		1	06/18/26 03:03	06/23/26 10:51	321-60-8	
p-Terphenyl-d14 (S)	73	%.	61-125		1	06/18/26 03:03	06/23/26 10:51	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<497**	ug/kg	1550	497	1	06/25/26 09:21	06/25/26 18:25	67-64-1	
Allyl chloride	**<136**	ug/kg	309	136	1	06/25/26 09:21	06/25/26 18:25	107-05-1	
Benzene	**<10.4**	ug/kg	30.9	10.4	1	06/25/26 09:21	06/25/26 18:25	71-43-2	
Bromobenzene	**<26.8**	ug/kg	77.3	26.8	1	06/25/26 09:21	06/25/26 18:25	108-86-1	
Bromochloromethane	**<24.4**	ug/kg	77.3	24.4	1	06/25/26 09:21	06/25/26 18:25	74-97-5	
Bromodichloromethane	**<31.6**	ug/kg	77.3	31.6	1	06/25/26 09:21	06/25/26 18:25	75-27-4	
Bromoform	**<148**	ug/kg	309	148	1	06/25/26 09:21	06/25/26 18:25	75-25-2	
Bromomethane	**<269**	ug/kg	773	269	1	06/25/26 09:21	06/25/26 18:25	74-83-9	
2-Butanone (MEK)	**<181**	ug/kg	387	181	1	06/25/26 09:21	06/25/26 18:25	78-93-3	
n-Butylbenzene	**<27.1**	ug/kg	77.3	27.1	1	06/25/26 09:21	06/25/26 18:25	104-51-8	
sec-Butylbenzene	**<20.0**	ug/kg	77.3	20.0	1	06/25/26 09:21	06/25/26 18:25	135-98-8	
tert-Butylbenzene	**<22.7**	ug/kg	77.3	22.7	1	06/25/26 09:21	06/25/26 18:25	98-06-6	
Carbon tetrachloride	**<28.3**	ug/kg	77.3	28.3	1	06/25/26 09:21	06/25/26 18:25	56-23-5	
Chlorobenzene	**<22.6**	ug/kg	77.3	22.6	1	06/25/26 09:21	06/25/26 18:25	108-90-7	
Chloroethane	**<213**	ug/kg	773	213	1	06/25/26 09:21	06/25/26 18:25	75-00-3	
Chloroform	**<29.9**	ug/kg	77.3	29.9	1	06/25/26 09:21	06/25/26 18:25	67-66-3	
Chloromethane	**<47.6**	ug/kg	309	47.6	1	06/25/26 09:21	06/25/26 18:25	74-87-3	
2-Chlorotoluene	**<22.0**	ug/kg	77.3	22.0	1	06/25/26 09:21	06/25/26 18:25	95-49-8	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP58-1_1-2 **Lab ID: 10777060007** Collected: 06/11/26 14:30 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
4-Chlorotoluene	**<23.0**	ug/kg	77.3	23.0	1	06/25/26 09:21	06/25/26 18:25	106-43-4	
1,2-Dibromo-3-chloropropane	**<129**	ug/kg	773	129	1	06/25/26 09:21	06/25/26 18:25	96-12-8	
Dibromochloromethane	**<76.6**	ug/kg	309	76.6	1	06/25/26 09:21	06/25/26 18:25	124-48-1	
1,2-Dibromoethane (EDB)	**<24.7**	ug/kg	77.3	24.7	1	06/25/26 09:21	06/25/26 18:25	106-93-4	
Dibromomethane	**<31.6**	ug/kg	77.3	31.6	1	06/25/26 09:21	06/25/26 18:25	74-95-3	
1,2-Dichlorobenzene	**<22.6**	ug/kg	77.3	22.6	1	06/25/26 09:21	06/25/26 18:25	95-50-1	
1,3-Dichlorobenzene	**<20.7**	ug/kg	77.3	20.7	1	06/25/26 09:21	06/25/26 18:25	541-73-1	
1,4-Dichlorobenzene	**<20.4**	ug/kg	77.3	20.4	1	06/25/26 09:21	06/25/26 18:25	106-46-7	
Dichlorodifluoromethane	**<41.3**	ug/kg	309	41.3	1	06/25/26 09:21	06/25/26 18:25	75-71-8	
1,1-Dichloroethane	**<21.3**	ug/kg	77.3	21.3	1	06/25/26 09:21	06/25/26 18:25	75-34-3	
1,2-Dichloroethane	**<21.5**	ug/kg	77.3	21.5	1	06/25/26 09:21	06/25/26 18:25	107-06-2	
1,1-Dichloroethene	**<20.6**	ug/kg	77.3	20.6	1	06/25/26 09:21	06/25/26 18:25	75-35-4	
cis-1,2-Dichloroethene	**<23.4**	ug/kg	77.3	23.4	1	06/25/26 09:21	06/25/26 18:25	156-59-2	
trans-1,2-Dichloroethene	**<20.6**	ug/kg	77.3	20.6	1	06/25/26 09:21	06/25/26 18:25	156-60-5	
Dichlorofluoromethane	**<114**	ug/kg	773	114	1	06/25/26 09:21	06/25/26 18:25	75-43-4	
1,2-Dichloropropane	**<23.5**	ug/kg	77.3	23.5	1	06/25/26 09:21	06/25/26 18:25	78-87-5	
1,3-Dichloropropane	**<24.4**	ug/kg	77.3	24.4	1	06/25/26 09:21	06/25/26 18:25	142-28-9	
2,2-Dichloropropane	**<33.9**	ug/kg	309	33.9	1	06/25/26 09:21	06/25/26 18:25	594-20-7	
1,1-Dichloropropene	**<19.8**	ug/kg	77.3	19.8	1	06/25/26 09:21	06/25/26 18:25	563-58-6	
cis-1,3-Dichloropropene	**<26.3**	ug/kg	77.3	26.3	1	06/25/26 09:21	06/25/26 18:25	10061-01-5	
trans-1,3-Dichloropropene	**<24.1**	ug/kg	77.3	24.1	1	06/25/26 09:21	06/25/26 18:25	10061-02-6	
Diethyl ether (Ethyl ether)	**<53.4**	ug/kg	309	53.4	1	06/25/26 09:21	06/25/26 18:25	60-29-7	
Ethylbenzene	**<26.0**	ug/kg	77.3	26.0	1	06/25/26 09:21	06/25/26 18:25	100-41-4	
Hexachloro-1,3-butadiene	**<48.1**	ug/kg	387	48.1	1	06/25/26 09:21	06/25/26 18:25	87-68-3	
Isopropylbenzene (Cumene)	**<19.3**	ug/kg	77.3	19.3	1	06/25/26 09:21	06/25/26 18:25	98-82-8	
p-Isopropyltoluene	**<20.3**	ug/kg	77.3	20.3	1	06/25/26 09:21	06/25/26 18:25	99-87-6	
Methylene Chloride	**<154**	ug/kg	309	154	1	06/25/26 09:21	06/25/26 18:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<149**	ug/kg	387	149	1	06/25/26 09:21	06/25/26 18:25	108-10-1	
Methyl-tert-butyl ether	**<22.6**	ug/kg	77.3	22.6	1	06/25/26 09:21	06/25/26 18:25	1634-04-4	
Naphthalene	**88.7J**	ug/kg	309	30.9	1	06/25/26 09:21	06/25/26 18:25	91-20-3	
n-Propylbenzene	**<19.3**	ug/kg	77.3	19.3	1	06/25/26 09:21	06/25/26 18:25	103-65-1	
Styrene	**<24.9**	ug/kg	77.3	24.9	1	06/25/26 09:21	06/25/26 18:25	100-42-5	
1,1,1,2-Tetrachloroethane	**<26.1**	ug/kg	77.3	26.1	1	06/25/26 09:21	06/25/26 18:25	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.0**	ug/kg	77.3	20.0	1	06/25/26 09:21	06/25/26 18:25	79-34-5	
Tetrachloroethene	**80.3**	ug/kg	77.3	26.9	1	06/25/26 09:21	06/25/26 18:25	127-18-4	
Tetrahydrofuran	**<579**	ug/kg	3090	579	1	06/25/26 09:21	06/25/26 18:25	109-99-9	
Toluene	**78.4**	ug/kg	77.3	30.9	1	06/25/26 09:21	06/25/26 18:25	108-88-3	
1,2,3-Trichlorobenzene	**<24.1**	ug/kg	77.3	24.1	1	06/25/26 09:21	06/25/26 18:25	87-61-6	
1,2,4-Trichlorobenzene	**<25.1**	ug/kg	77.3	25.1	1	06/25/26 09:21	06/25/26 18:25	120-82-1	
1,1,1-Trichloroethane	**<24.3**	ug/kg	77.3	24.3	1	06/25/26 09:21	06/25/26 18:25	71-55-6	
1,1,2-Trichloroethane	**<23.4**	ug/kg	77.3	23.4	1	06/25/26 09:21	06/25/26 18:25	79-00-5	
Trichloroethene	**<20.9**	ug/kg	77.3	20.9	1	06/25/26 09:21	06/25/26 18:25	79-01-6	
Trichlorofluoromethane	**<90.8**	ug/kg	309	90.8	1	06/25/26 09:21	06/25/26 18:25	75-69-4	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP58-1_1-2 **Lab ID: 10777060007** Collected: 06/11/26 14:30 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2,3-Trichloropropane	**<26.9**	ug/kg	309	26.9	1	06/25/26 09:21	06/25/26 18:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<31.4**	ug/kg	309	31.4	1	06/25/26 09:21	06/25/26 18:25	76-13-1	
1,2,4-Trimethylbenzene	**59.2J**	ug/kg	77.3	22.4	1	06/25/26 09:21	06/25/26 18:25	95-63-6	
1,3,5-Trimethylbenzene	**<21.7**	ug/kg	77.3	21.7	1	06/25/26 09:21	06/25/26 18:25	108-67-8	
Vinyl chloride	**<14.2**	ug/kg	30.9	14.2	1	06/25/26 09:21	06/25/26 18:25	75-01-4	L2,v2
Xylene (Total)	**145J**	ug/kg	232	43.9	1	06/25/26 09:21	06/25/26 18:25	1330-20-7	
m&p-Xylene	**75.7J**	ug/kg	155	43.9	1	06/25/26 09:21	06/25/26 18:25	179601-23-1	
o-Xylene	**69.5J**	ug/kg	77.3	24.1	1	06/25/26 09:21	06/25/26 18:25	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/25/26 09:21	06/25/26 18:25	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/25/26 09:21	06/25/26 18:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/25/26 09:21	06/25/26 18:25	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-COMP-10_0-2 **Lab ID: 10777060008** Collected: 06/11/26 15:25 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.1**	ug/kg	52.8	13.1	1	06/18/26 15:21	06/19/26 13:27	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.5**	ug/kg	52.8	14.5	1	06/18/26 15:21	06/19/26 13:27	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.0**	ug/kg	52.8	17.0	1	06/18/26 15:21	06/19/26 13:27	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.3**	ug/kg	52.8	19.3	1	06/18/26 15:21	06/19/26 13:27	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.0**	ug/kg	52.8	16.0	1	06/18/26 15:21	06/19/26 13:27	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.8**	ug/kg	52.8	17.8	1	06/18/26 15:21	06/19/26 13:27	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.5**	ug/kg	52.8	15.5	1	06/18/26 15:21	06/19/26 13:27	11096-82-5	M1
Surrogates									
Tetrachloro-m-xylene (S)	114	%.	30-125		1	06/18/26 15:21	06/19/26 13:27	877-09-8	
Decachlorobiphenyl (S)	96	%.	30-125		1	06/18/26 15:21	06/19/26 13:27	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**4.5**	mg/kg	1.0	0.17	1	06/24/26 15:09	06/25/26 14:01	7440-38-2	
Barium	**52.3**	mg/kg	0.52	0.077	1	06/24/26 15:09	06/25/26 14:01	7440-39-3	
Cadmium	**0.30**	mg/kg	0.16	0.036	1	06/24/26 15:09	06/25/26 14:01	7440-43-9	
Chromium	**17.1**	mg/kg	0.52	0.15	1	06/24/26 15:09	06/25/26 14:01	7440-47-3	
Lead	**38.9**	mg/kg	0.52	0.23	1	06/24/26 15:09	06/25/26 14:01	7439-92-1	
Selenium	**<0.45**	mg/kg	1.0	0.45	1	06/24/26 15:09	06/25/26 14:01	7782-49-2	
Silver	**0.26J**	mg/kg	0.52	0.042	1	06/24/26 15:09	06/25/26 14:01	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.024**	mg/kg	0.020	0.0086	1	06/24/26 12:37	06/25/26 22:28	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**6.2**	%	0.10	0.10	1		06/26/26 09:51		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-COMP-10_0-2 **Lab ID: 10777060008** Collected: 06/11/26 15:25 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**4.0J**	ug/kg	10.1	1.1	1	06/18/26 09:34	06/23/26 05:05	83-32-9	
Acenaphthylene	**5.9J**	ug/kg	10.1	1.8	1	06/18/26 09:34	06/23/26 05:05	208-96-8	
Anthracene	**36.5**	ug/kg	10.1	1.2	1	06/18/26 09:34	06/23/26 05:05	120-12-7	
Benzo(a)anthracene	**32.5**	ug/kg	10.1	1.9	1	06/18/26 09:34	06/23/26 05:05	56-55-3	
Benzo(a)pyrene	**32.1**	ug/kg	10.1	1.7	1	06/18/26 09:34	06/23/26 05:05	50-32-8	
Benzo(b)fluoranthene	**88.6**	ug/kg	10.1	2.3	1	06/18/26 09:34	06/23/26 05:05	205-99-2	
Benzo(g,h,i)perylene	**45.5**	ug/kg	10.1	2.3	1	06/18/26 09:34	06/23/26 05:05	191-24-2	
Benzo(k)fluoranthene	**30.0**	ug/kg	10.1	1.3	1	06/18/26 09:34	06/23/26 05:05	207-08-9	
Chrysene	**55.2**	ug/kg	10.1	1.3	1	06/18/26 09:34	06/23/26 05:05	218-01-9	
Dibenz(a,h)anthracene	**14.9**	ug/kg	10.1	1.4	1	06/18/26 09:34	06/23/26 05:05	53-70-3	
Fluoranthene	**48.6**	ug/kg	10.1	2.6	1	06/18/26 09:34	06/23/26 05:05	206-44-0	
Fluorene	**5.7J**	ug/kg	10.1	1.1	1	06/18/26 09:34	06/23/26 05:05	86-73-7	
Indeno(1,2,3-cd)pyrene	**42.8**	ug/kg	10.1	2.1	1	06/18/26 09:34	06/23/26 05:05	193-39-5	
Naphthalene	**91.2**	ug/kg	10.1	3.6	1	06/18/26 09:34	06/23/26 05:05	91-20-3	
Phenanthrene	**101**	ug/kg	10.1	2.2	1	06/18/26 09:34	06/23/26 05:05	85-01-8	
Pyrene	**45.8**	ug/kg	10.1	2.1	1	06/18/26 09:34	06/23/26 05:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%.	61-125		1	06/18/26 09:34	06/23/26 05:05	321-60-8	
p-Terphenyl-d14 (S)	76	%.	61-125		1	06/18/26 09:34	06/23/26 05:05	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP59-1_0-2 **Lab ID: 10777060009** Collected: 06/11/26 14:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**34.8**	mg/kg	10.1	2.8	1	06/18/26 03:44	06/23/26 17:00		T6
Surrogates									
n-Triacontane (S)	117	%.	50-150		1	06/18/26 03:44	06/23/26 17:00		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**9.2J**	mg/kg	15.0	3.7	1	06/27/26 14:08	06/29/26 07:48		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%.	80-200		1	06/27/26 14:08	06/29/26 07:48	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**10.2**	%	0.10	0.10	1		06/26/26 09:51		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<498**	ug/kg	1550	498	1	06/25/26 09:21	06/25/26 18:41	67-64-1	
Allyl chloride	**<137**	ug/kg	310	137	1	06/25/26 09:21	06/25/26 18:41	107-05-1	
Benzene	**29.5J**	ug/kg	31.0	10.4	1	06/25/26 09:21	06/25/26 18:41	71-43-2	
Bromobenzene	**<26.8**	ug/kg	77.5	26.8	1	06/25/26 09:21	06/25/26 18:41	108-86-1	
Bromochloromethane	**<24.5**	ug/kg	77.5	24.5	1	06/25/26 09:21	06/25/26 18:41	74-97-5	
Bromodichloromethane	**<31.6**	ug/kg	77.5	31.6	1	06/25/26 09:21	06/25/26 18:41	75-27-4	
Bromoform	**<148**	ug/kg	310	148	1	06/25/26 09:21	06/25/26 18:41	75-25-2	
Bromomethane	**<270**	ug/kg	775	270	1	06/25/26 09:21	06/25/26 18:41	74-83-9	
2-Butanone (MEK)	**<181**	ug/kg	388	181	1	06/25/26 09:21	06/25/26 18:41	78-93-3	
n-Butylbenzene	**40.2J**	ug/kg	77.5	27.1	1	06/25/26 09:21	06/25/26 18:41	104-51-8	
sec-Butylbenzene	**32.8J**	ug/kg	77.5	20.0	1	06/25/26 09:21	06/25/26 18:41	135-98-8	
tert-Butylbenzene	**<22.8**	ug/kg	77.5	22.8	1	06/25/26 09:21	06/25/26 18:41	98-06-6	
Carbon tetrachloride	**<28.4**	ug/kg	77.5	28.4	1	06/25/26 09:21	06/25/26 18:41	56-23-5	
Chlorobenzene	**<22.6**	ug/kg	77.5	22.6	1	06/25/26 09:21	06/25/26 18:41	108-90-7	
Chloroethane	**<214**	ug/kg	775	214	1	06/25/26 09:21	06/25/26 18:41	75-00-3	
Chloroform	**<29.9**	ug/kg	77.5	29.9	1	06/25/26 09:21	06/25/26 18:41	67-66-3	
Chloromethane	**<47.7**	ug/kg	310	47.7	1	06/25/26 09:21	06/25/26 18:41	74-87-3	
2-Chlorotoluene	**<22.0**	ug/kg	77.5	22.0	1	06/25/26 09:21	06/25/26 18:41	95-49-8	
4-Chlorotoluene	**<23.1**	ug/kg	77.5	23.1	1	06/25/26 09:21	06/25/26 18:41	106-43-4	
1,2-Dibromo-3-chloropropane	**<129**	ug/kg	775	129	1	06/25/26 09:21	06/25/26 18:41	96-12-8	
Dibromochloromethane	**<76.7**	ug/kg	310	76.7	1	06/25/26 09:21	06/25/26 18:41	124-48-1	
1,2-Dibromoethane (EDB)	**<24.8**	ug/kg	77.5	24.8	1	06/25/26 09:21	06/25/26 18:41	106-93-4	
Dibromomethane	**<31.6**	ug/kg	77.5	31.6	1	06/25/26 09:21	06/25/26 18:41	74-95-3	
1,2-Dichlorobenzene	**<22.6**	ug/kg	77.5	22.6	1	06/25/26 09:21	06/25/26 18:41	95-50-1	
1,3-Dichlorobenzene	**<20.8**	ug/kg	77.5	20.8	1	06/25/26 09:21	06/25/26 18:41	541-73-1	
1,4-Dichlorobenzene	**<20.5**	ug/kg	77.5	20.5	1	06/25/26 09:21	06/25/26 18:41	106-46-7	
Dichlorodifluoromethane	**<41.4**	ug/kg	310	41.4	1	06/25/26 09:21	06/25/26 18:41	75-71-8	
1,1-Dichloroethane	**<21.4**	ug/kg	77.5	21.4	1	06/25/26 09:21	06/25/26 18:41	75-34-3	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP59-1_0-2 **Lab ID: 10777060009** Collected: 06/11/26 14:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<21.5**	ug/kg	77.5	21.5	1	06/25/26 09:21	06/25/26 18:41	107-06-2	
1,1-Dichloroethene	**<20.6**	ug/kg	77.5	20.6	1	06/25/26 09:21	06/25/26 18:41	75-35-4	
cis-1,2-Dichloroethene	**<23.4**	ug/kg	77.5	23.4	1	06/25/26 09:21	06/25/26 18:41	156-59-2	
trans-1,2-Dichloroethene	**<20.6**	ug/kg	77.5	20.6	1	06/25/26 09:21	06/25/26 18:41	156-60-5	
Dichlorofluoromethane	**<114**	ug/kg	775	114	1	06/25/26 09:21	06/25/26 18:41	75-43-4	
1,2-Dichloropropane	**<23.6**	ug/kg	77.5	23.6	1	06/25/26 09:21	06/25/26 18:41	78-87-5	
1,3-Dichloropropane	**<24.5**	ug/kg	77.5	24.5	1	06/25/26 09:21	06/25/26 18:41	142-28-9	
2,2-Dichloropropane	**<33.9**	ug/kg	310	33.9	1	06/25/26 09:21	06/25/26 18:41	594-20-7	
1,1-Dichloropropene	**<19.8**	ug/kg	77.5	19.8	1	06/25/26 09:21	06/25/26 18:41	563-58-6	
cis-1,3-Dichloropropene	**<26.4**	ug/kg	77.5	26.4	1	06/25/26 09:21	06/25/26 18:41	10061-01-5	
trans-1,3-Dichloropropene	**<24.2**	ug/kg	77.5	24.2	1	06/25/26 09:21	06/25/26 18:41	10061-02-6	
Diethyl ether (Ethyl ether)	**<53.5**	ug/kg	310	53.5	1	06/25/26 09:21	06/25/26 18:41	60-29-7	
Ethylbenzene	**80.7**	ug/kg	77.5	26.0	1	06/25/26 09:21	06/25/26 18:41	100-41-4	
Hexachloro-1,3-butadiene	**<48.2**	ug/kg	388	48.2	1	06/25/26 09:21	06/25/26 18:41	87-68-3	
Isopropylbenzene (Cumene)	**78.2**	ug/kg	77.5	19.4	1	06/25/26 09:21	06/25/26 18:41	98-82-8	
p-Isopropyltoluene	**24.9J**	ug/kg	77.5	20.3	1	06/25/26 09:21	06/25/26 18:41	99-87-6	
Methylene Chloride	**<154**	ug/kg	310	154	1	06/25/26 09:21	06/25/26 18:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<150**	ug/kg	388	150	1	06/25/26 09:21	06/25/26 18:41	108-10-1	
Methyl-tert-butyl ether	**<22.6**	ug/kg	77.5	22.6	1	06/25/26 09:21	06/25/26 18:41	1634-04-4	
Naphthalene	**422**	ug/kg	310	31.0	1	06/25/26 09:21	06/25/26 18:41	91-20-3	
n-Propylbenzene	**65.1J**	ug/kg	77.5	19.4	1	06/25/26 09:21	06/25/26 18:41	103-65-1	
Styrene	**<25.0**	ug/kg	77.5	25.0	1	06/25/26 09:21	06/25/26 18:41	100-42-5	
1,1,1,2-Tetrachloroethane	**<26.2**	ug/kg	77.5	26.2	1	06/25/26 09:21	06/25/26 18:41	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.0**	ug/kg	77.5	20.0	1	06/25/26 09:21	06/25/26 18:41	79-34-5	
Tetrachloroethene	**<27.0**	ug/kg	77.5	27.0	1	06/25/26 09:21	06/25/26 18:41	127-18-4	
Tetrahydrofuran	**<580**	ug/kg	3100	580	1	06/25/26 09:21	06/25/26 18:41	109-99-9	
Toluene	**239**	ug/kg	77.5	31.0	1	06/25/26 09:21	06/25/26 18:41	108-88-3	
1,2,3-Trichlorobenzene	**<24.2**	ug/kg	77.5	24.2	1	06/25/26 09:21	06/25/26 18:41	87-61-6	
1,2,4-Trichlorobenzene	**<25.1**	ug/kg	77.5	25.1	1	06/25/26 09:21	06/25/26 18:41	120-82-1	
1,1,1-Trichloroethane	**<24.3**	ug/kg	77.5	24.3	1	06/25/26 09:21	06/25/26 18:41	71-55-6	
1,1,2-Trichloroethane	**<23.4**	ug/kg	77.5	23.4	1	06/25/26 09:21	06/25/26 18:41	79-00-5	
Trichloroethene	**<20.9**	ug/kg	77.5	20.9	1	06/25/26 09:21	06/25/26 18:41	79-01-6	
Trichlorofluoromethane	**<91.0**	ug/kg	310	91.0	1	06/25/26 09:21	06/25/26 18:41	75-69-4	
1,2,3-Trichloropropane	**<27.0**	ug/kg	310	27.0	1	06/25/26 09:21	06/25/26 18:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<31.5**	ug/kg	310	31.5	1	06/25/26 09:21	06/25/26 18:41	76-13-1	
1,2,4-Trimethylbenzene	**268**	ug/kg	77.5	22.5	1	06/25/26 09:21	06/25/26 18:41	95-63-6	
1,3,5-Trimethylbenzene	**55.9J**	ug/kg	77.5	21.7	1	06/25/26 09:21	06/25/26 18:41	108-67-8	
Vinyl chloride	**<14.3**	ug/kg	31.0	14.3	1	06/25/26 09:21	06/25/26 18:41	75-01-4	L2,v2
Xylene (Total)	**786**	ug/kg	233	44.0	1	06/25/26 09:21	06/25/26 18:41	1330-20-7	
m&p-Xylene	**431**	ug/kg	155	44.0	1	06/25/26 09:21	06/25/26 18:41	179601-23-1	
o-Xylene	**355**	ug/kg	77.5	24.2	1	06/25/26 09:21	06/25/26 18:41	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/25/26 09:21	06/25/26 18:41	2037-26-5	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP59-1_0-2 **Lab ID: 10777060009** Collected: 06/11/26 14:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	103	%.	75-125		1	06/25/26 09:21	06/25/26 18:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125		1	06/25/26 09:21	06/25/26 18:41	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP62-1 **Lab ID: 10777060010** Collected: 06/11/26 16:10 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.3**	ug/kg	49.6	12.3	1	06/18/26 15:21	06/19/26 14:15	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.6**	ug/kg	49.6	13.6	1	06/18/26 15:21	06/19/26 14:15	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.0**	ug/kg	49.6	16.0	1	06/18/26 15:21	06/19/26 14:15	11141-16-5	
PCB-1242 (Aroclor 1242)	**2550**	ug/kg	99.2	36.3	2	06/18/26 15:21	06/22/26 09:45	53469-21-9	
PCB-1248 (Aroclor 1248)	**1830**	ug/kg	49.6	15.1	1	06/18/26 15:21	06/19/26 14:15	12672-29-6	
PCB-1254 (Aroclor 1254)	**731**	ug/kg	49.6	16.8	1	06/18/26 15:21	06/19/26 14:15	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.6**	ug/kg	49.6	14.6	1	06/18/26 15:21	06/19/26 14:15	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	59	%.	30-125		1	06/18/26 15:21	06/19/26 14:15	877-09-8	
Decachlorobiphenyl (S)	59	%.	30-125		1	06/18/26 15:21	06/19/26 14:15	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**2800**	mg/kg	454	127	50	06/18/26 12:12	06/24/26 19:17		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		50	06/18/26 12:12	06/24/26 19:17		S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**8.4J**	mg/kg	10.6	2.6	1	06/27/26 14:08	06/29/26 07:27		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	88	%.	80-200		1	06/27/26 14:08	06/29/26 07:27	98-08-8	
6010D MET ICP, TCLP MICRO	Analytical Method: EPA 6010D Preparation Method: EPA 3015A Leachate Method/Date: EPA 1311; 07/21/26 14:25 Pace Analytical Services - Minneapolis								
Lead	**0.67**	mg/L	0.10	0.010	1	07/22/26 08:18	07/22/26 13:58	7439-92-1	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**16.2**	mg/kg	4.6	0.77	5	06/24/26 15:09	06/25/26 14:49	7440-38-2	
Barium	**639**	mg/kg	0.46	0.069	1	06/24/26 15:09	06/25/26 14:02	7440-39-3	
Cadmium	**5.8**	mg/kg	0.14	0.033	1	06/24/26 15:09	06/25/26 14:02	7440-43-9	
Chromium	**3080**	mg/kg	2.3	0.69	5	06/24/26 15:09	06/25/26 14:49	7440-47-3	
Lead	**512**	mg/kg	2.3	1.0	5	06/24/26 15:09	06/25/26 14:49	7439-92-1	
Selenium	**<2.0**	mg/kg	4.6	2.0	5	06/24/26 15:09	06/25/26 14:49	7782-49-2	D3
Silver	**2.4**	mg/kg	2.3	0.19	5	06/24/26 15:09	06/25/26 14:49	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.15**	mg/kg	0.019	0.0082	1	06/24/26 12:37	06/25/26 22:33	7439-97-6	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP62-1 **Lab ID: 10777060010** Collected: 06/11/26 16:10 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**1.2**	%	0.10	0.10	1		06/26/26 09:51		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**4730**	ug/kg	98.2	10.8	10	06/18/26 09:34	06/23/26 18:18	83-32-9	
Acenaphthylene	**905**	ug/kg	98.2	17.3	10	06/18/26 09:34	06/23/26 18:18	208-96-8	
Anthracene	**8540**	ug/kg	98.2	11.4	10	06/18/26 09:34	06/23/26 18:18	120-12-7	
Benzo(a)anthracene	**27300**	ug/kg	982	181	100	06/18/26 09:34	06/23/26 17:11	56-55-3	
Benzo(a)pyrene	**14500**	ug/kg	982	163	100	06/18/26 09:34	06/23/26 17:11	50-32-8	
Benzo(b)fluoranthene	**36600**	ug/kg	982	227	100	06/18/26 09:34	06/23/26 17:11	205-99-2	
Benzo(g,h,i)perylene	**11300**	ug/kg	982	218	100	06/18/26 09:34	06/23/26 17:11	191-24-2	
Benzo(k)fluoranthene	**13500**	ug/kg	982	130	100	06/18/26 09:34	06/23/26 17:11	207-08-9	
Chrysene	**31300**	ug/kg	982	127	100	06/18/26 09:34	06/23/26 17:11	218-01-9	
Dibenz(a,h)anthracene	**4520**	ug/kg	98.2	13.9	10	06/18/26 09:34	06/23/26 18:18	53-70-3	
Fluoranthene	**76900**	ug/kg	982	255	100	06/18/26 09:34	06/23/26 17:11	206-44-0	
Fluorene	**3180**	ug/kg	98.2	11.1	10	06/18/26 09:34	06/23/26 18:18	86-73-7	
Indeno(1,2,3-cd)pyrene	**12100**	ug/kg	982	199	100	06/18/26 09:34	06/23/26 17:11	193-39-5	
Naphthalene	**2400**	ug/kg	98.2	35.0	10	06/18/26 09:34	06/23/26 18:18	91-20-3	
Phenanthrene	**41400**	ug/kg	982	214	100	06/18/26 09:34	06/23/26 17:11	85-01-8	
Pyrene	**57500**	ug/kg	982	202	100	06/18/26 09:34	06/23/26 17:11	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%.	61-125		10	06/18/26 09:34	06/23/26 18:18	321-60-8	D4
p-Terphenyl-d14 (S)	100	%.	61-125		10	06/18/26 09:34	06/23/26 18:18	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<353**	ug/kg	1100	353	1	06/25/26 09:21	06/25/26 18:58	67-64-1	
Allyl chloride	**<97.1**	ug/kg	220	97.1	1	06/25/26 09:21	06/25/26 18:58	107-05-1	
Benzene	**27.2**	ug/kg	22.0	7.4	1	06/25/26 09:21	06/25/26 18:58	71-43-2	
Bromobenzene	**<19.0**	ug/kg	55.0	19.0	1	06/25/26 09:21	06/25/26 18:58	108-86-1	
Bromochloromethane	**<17.4**	ug/kg	55.0	17.4	1	06/25/26 09:21	06/25/26 18:58	74-97-5	
Bromodichloromethane	**<22.5**	ug/kg	55.0	22.5	1	06/25/26 09:21	06/25/26 18:58	75-27-4	
Bromoform	**<105**	ug/kg	220	105	1	06/25/26 09:21	06/25/26 18:58	75-25-2	
Bromomethane	**<192**	ug/kg	550	192	1	06/25/26 09:21	06/25/26 18:58	74-83-9	
2-Butanone (MEK)	**<129**	ug/kg	275	129	1	06/25/26 09:21	06/25/26 18:58	78-93-3	
n-Butylbenzene	**50.7J**	ug/kg	55.0	19.3	1	06/25/26 09:21	06/25/26 18:58	104-51-8	
sec-Butylbenzene	**<14.2**	ug/kg	55.0	14.2	1	06/25/26 09:21	06/25/26 18:58	135-98-8	
tert-Butylbenzene	**<16.2**	ug/kg	55.0	16.2	1	06/25/26 09:21	06/25/26 18:58	98-06-6	
Carbon tetrachloride	**<20.1**	ug/kg	55.0	20.1	1	06/25/26 09:21	06/25/26 18:58	56-23-5	
Chlorobenzene	**<16.1**	ug/kg	55.0	16.1	1	06/25/26 09:21	06/25/26 18:58	108-90-7	
Chloroethane	**<152**	ug/kg	550	152	1	06/25/26 09:21	06/25/26 18:58	75-00-3	
Chloroform	**<21.2**	ug/kg	55.0	21.2	1	06/25/26 09:21	06/25/26 18:58	67-66-3	
Chloromethane	**<33.9**	ug/kg	220	33.9	1	06/25/26 09:21	06/25/26 18:58	74-87-3	
2-Chlorotoluene	**<15.6**	ug/kg	55.0	15.6	1	06/25/26 09:21	06/25/26 18:58	95-49-8	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP62-1 **Lab ID: 10777060010** Collected: 06/11/26 16:10 Received: 06/15/26 07:56 Matrix: Solid

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

4

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
4-Chlorotoluene	**<16.4**	ug/kg	55.0	16.4	1	06/25/26 09:21	06/25/26 18:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<91.7**	ug/kg	550	91.7	1	06/25/26 09:21	06/25/26 18:58	96-12-8	
Dibromochloromethane	**<54.5**	ug/kg	220	54.5	1	06/25/26 09:21	06/25/26 18:58	124-48-1	
1,2-Dibromoethane (EDB)	**<17.6**	ug/kg	55.0	17.6	1	06/25/26 09:21	06/25/26 18:58	106-93-4	
Dibromomethane	**<22.5**	ug/kg	55.0	22.5	1	06/25/26 09:21	06/25/26 18:58	74-95-3	
1,2-Dichlorobenzene	**<16.1**	ug/kg	55.0	16.1	1	06/25/26 09:21	06/25/26 18:58	95-50-1	
1,3-Dichlorobenzene	**<14.7**	ug/kg	55.0	14.7	1	06/25/26 09:21	06/25/26 18:58	541-73-1	
1,4-Dichlorobenzene	**<14.5**	ug/kg	55.0	14.5	1	06/25/26 09:21	06/25/26 18:58	106-46-7	
Dichlorodifluoromethane	**<29.4**	ug/kg	220	29.4	1	06/25/26 09:21	06/25/26 18:58	75-71-8	
1,1-Dichloroethane	**<15.2**	ug/kg	55.0	15.2	1	06/25/26 09:21	06/25/26 18:58	75-34-3	
1,2-Dichloroethane	**<15.3**	ug/kg	55.0	15.3	1	06/25/26 09:21	06/25/26 18:58	107-06-2	
1,1-Dichloroethene	**<14.6**	ug/kg	55.0	14.6	1	06/25/26 09:21	06/25/26 18:58	75-35-4	
cis-1,2-Dichloroethene	**<16.6**	ug/kg	55.0	16.6	1	06/25/26 09:21	06/25/26 18:58	156-59-2	
trans-1,2-Dichloroethene	**<14.6**	ug/kg	55.0	14.6	1	06/25/26 09:21	06/25/26 18:58	156-60-5	
Dichlorofluoromethane	**<80.8**	ug/kg	550	80.8	1	06/25/26 09:21	06/25/26 18:58	75-43-4	
1,2-Dichloropropane	**<16.7**	ug/kg	55.0	16.7	1	06/25/26 09:21	06/25/26 18:58	78-87-5	
1,3-Dichloropropane	**<17.4**	ug/kg	55.0	17.4	1	06/25/26 09:21	06/25/26 18:58	142-28-9	
2,2-Dichloropropane	**<24.1**	ug/kg	220	24.1	1	06/25/26 09:21	06/25/26 18:58	594-20-7	
1,1-Dichloropropene	**<14.1**	ug/kg	55.0	14.1	1	06/25/26 09:21	06/25/26 18:58	563-58-6	
cis-1,3-Dichloropropene	**<18.7**	ug/kg	55.0	18.7	1	06/25/26 09:21	06/25/26 18:58	10061-01-5	
trans-1,3-Dichloropropene	**<17.2**	ug/kg	55.0	17.2	1	06/25/26 09:21	06/25/26 18:58	10061-02-6	
Diethyl ether (Ethyl ether)	**<38.0**	ug/kg	220	38.0	1	06/25/26 09:21	06/25/26 18:58	60-29-7	
Ethylbenzene	**38.1J**	ug/kg	55.0	18.5	1	06/25/26 09:21	06/25/26 18:58	100-41-4	
Hexachloro-1,3-butadiene	**<34.2**	ug/kg	275	34.2	1	06/25/26 09:21	06/25/26 18:58	87-68-3	
Isopropylbenzene (Cumene)	**24.7J**	ug/kg	55.0	13.8	1	06/25/26 09:21	06/25/26 18:58	98-82-8	
p-Isopropyltoluene	**23.8J**	ug/kg	55.0	14.4	1	06/25/26 09:21	06/25/26 18:58	99-87-6	
Methylene Chloride	**<109**	ug/kg	220	109	1	06/25/26 09:21	06/25/26 18:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<106**	ug/kg	275	106	1	06/25/26 09:21	06/25/26 18:58	108-10-1	
Methyl-tert-butyl ether	**<16.1**	ug/kg	55.0	16.1	1	06/25/26 09:21	06/25/26 18:58	1634-04-4	
Naphthalene	**5050**	ug/kg	220	22.0	1	06/25/26 09:21	06/25/26 18:58	91-20-3	
n-Propylbenzene	**34.5J**	ug/kg	55.0	13.8	1	06/25/26 09:21	06/25/26 18:58	103-65-1	
Styrene	**<17.7**	ug/kg	55.0	17.7	1	06/25/26 09:21	06/25/26 18:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<18.6**	ug/kg	55.0	18.6	1	06/25/26 09:21	06/25/26 18:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<14.2**	ug/kg	55.0	14.2	1	06/25/26 09:21	06/25/26 18:58	79-34-5	
Tetrachloroethene	**<19.2**	ug/kg	55.0	19.2	1	06/25/26 09:21	06/25/26 18:58	127-18-4	
Tetrahydrofuran	**<412**	ug/kg	2200	412	1	06/25/26 09:21	06/25/26 18:58	109-99-9	
Toluene	**151**	ug/kg	55.0	22.0	1	06/25/26 09:21	06/25/26 18:58	108-88-3	
1,2,3-Trichlorobenzene	**<17.2**	ug/kg	55.0	17.2	1	06/25/26 09:21	06/25/26 18:58	87-61-6	
1,2,4-Trichlorobenzene	**<17.8**	ug/kg	55.0	17.8	1	06/25/26 09:21	06/25/26 18:58	120-82-1	
1,1,1-Trichloroethane	**<17.3**	ug/kg	55.0	17.3	1	06/25/26 09:21	06/25/26 18:58	71-55-6	
1,1,2-Trichloroethane	**<16.6**	ug/kg	55.0	16.6	1	06/25/26 09:21	06/25/26 18:58	79-00-5	
Trichloroethene	**<14.9**	ug/kg	55.0	14.9	1	06/25/26 09:21	06/25/26 18:58	79-01-6	
Trichlorofluoromethane	**<64.6**	ug/kg	220	64.6	1	06/25/26 09:21	06/25/26 18:58	75-69-4	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP62-1 **Lab ID: 10777060010** Collected: 06/11/26 16:10 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2,3-Trichloropropane	**<19.2**	ug/kg	220	19.2	1	06/25/26 09:21	06/25/26 18:58	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<22.3**	ug/kg	220	22.3	1	06/25/26 09:21	06/25/26 18:58	76-13-1	
1,2,4-Trimethylbenzene	**148**	ug/kg	55.0	16.0	1	06/25/26 09:21	06/25/26 18:58	95-63-6	
1,3,5-Trimethylbenzene	**37.8J**	ug/kg	55.0	15.4	1	06/25/26 09:21	06/25/26 18:58	108-67-8	
Vinyl chloride	**<10.1**	ug/kg	22.0	10.1	1	06/25/26 09:21	06/25/26 18:58	75-01-4	L2,v2
Xylene (Total)	**238**	ug/kg	165	31.3	1	06/25/26 09:21	06/25/26 18:58	1330-20-7	
m&p-Xylene	**170**	ug/kg	110	31.3	1	06/25/26 09:21	06/25/26 18:58	179601-23-1	
o-Xylene	**67.5**	ug/kg	55.0	17.2	1	06/25/26 09:21	06/25/26 18:58	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/25/26 09:21	06/25/26 18:58	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/25/26 09:21	06/25/26 18:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%.	75-125		1	06/25/26 09:21	06/25/26 18:58	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP63-1 **Lab ID: 10777060011** Collected: 06/11/26 16:15 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.6**	ug/kg	50.7	12.6	1	06/18/26 15:21	06/19/26 14:31	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.9**	ug/kg	50.7	13.9	1	06/18/26 15:21	06/19/26 14:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.3**	ug/kg	50.7	16.3	1	06/18/26 15:21	06/19/26 14:31	11141-16-5	
PCB-1242 (Aroclor 1242)	**1370**	ug/kg	50.7	18.6	1	06/18/26 15:21	06/19/26 14:31	53469-21-9	
PCB-1248 (Aroclor 1248)	**1460**	ug/kg	50.7	15.4	1	06/18/26 15:21	06/19/26 14:31	12672-29-6	
PCB-1254 (Aroclor 1254)	**765**	ug/kg	50.7	17.1	1	06/18/26 15:21	06/19/26 14:31	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.9**	ug/kg	50.7	14.9	1	06/18/26 15:21	06/19/26 14:31	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	59	%.	30-125		1	06/18/26 15:21	06/19/26 14:31	877-09-8	
Decachlorobiphenyl (S)	50	%.	30-125		1	06/18/26 15:21	06/19/26 14:31	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**8400**	mg/kg	484	135	50	06/18/26 12:12	06/24/26 19:24		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		50	06/18/26 12:12	06/24/26 19:24		S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**10.1J**	mg/kg	12.0	2.9	1	06/27/26 14:08	06/29/26 07:05		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%.	80-200		1	06/27/26 14:08	06/29/26 07:05	98-08-8	
6010D MET ICP, TCLP MICRO	Analytical Method: EPA 6010D Preparation Method: EPA 3015A Leachate Method/Date: EPA 1311; 07/21/26 14:25 Pace Analytical Services - Minneapolis								
Lead	**2.8**	mg/L	0.10	0.010	1	07/22/26 08:18	07/22/26 14:00	7439-92-1	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**17.1**	mg/kg	2.0	0.33	2	06/24/26 15:09	06/25/26 14:51	7440-38-2	
Barium	**1310**	mg/kg	0.50	0.075	1	06/24/26 15:09	06/25/26 14:04	7440-39-3	
Cadmium	**6.5**	mg/kg	0.30	0.070	2	06/24/26 15:09	06/25/26 14:51	7440-43-9	
Chromium	**230**	mg/kg	1.0	0.30	2	06/24/26 15:09	06/25/26 14:51	7440-47-3	
Lead	**2830**	mg/kg	1.0	0.45	2	06/24/26 15:09	06/25/26 14:51	7439-92-1	
Selenium	**1.0J**	mg/kg	2.0	0.87	2	06/24/26 15:09	06/25/26 14:51	7782-49-2	D3
Silver	**6.4**	mg/kg	0.50	0.040	1	06/24/26 15:09	06/25/26 14:04	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.48**	mg/kg	0.017	0.0075	1	06/24/26 12:37	06/25/26 22:34	7439-97-6	

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP63-1 **Lab ID: 10777060011** Collected: 06/11/26 16:15 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**2.4**	%	0.10	0.10	1		06/26/26 09:52		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**11300**	ug/kg	497	54.7	50	06/18/26 09:34	06/23/26 17:56	83-32-9	
Acenaphthylene	**4610**	ug/kg	497	87.5	50	06/18/26 09:34	06/23/26 17:56	208-96-8	
Anthracene	**22500**	ug/kg	497	57.7	50	06/18/26 09:34	06/23/26 17:56	120-12-7	
Benzo(a)anthracene	**106000**	ug/kg	4970	915	500	06/18/26 09:34	06/23/26 17:33	56-55-3	
Benzo(a)pyrene	**68800**	ug/kg	4970	826	500	06/18/26 09:34	06/23/26 17:33	50-32-8	
Benzo(b)fluoranthene	**174000**	ug/kg	4970	1150	500	06/18/26 09:34	06/23/26 17:33	205-99-2	
Benzo(g,h,i)perylene	**55200**	ug/kg	4970	1100	500	06/18/26 09:34	06/23/26 17:33	191-24-2	
Benzo(k)fluoranthene	**73200**	ug/kg	4970	657	500	06/18/26 09:34	06/23/26 17:33	207-08-9	
Chrysene	**147000**	ug/kg	4970	642	500	06/18/26 09:34	06/23/26 17:33	218-01-9	
Dibenz(a,h)anthracene	**24900**	ug/kg	497	70.6	50	06/18/26 09:34	06/23/26 17:56	53-70-3	
Fluoranthene	**269000**	ug/kg	4970	1290	500	06/18/26 09:34	06/23/26 17:33	206-44-0	
Fluorene	**5900**	ug/kg	497	56.2	50	06/18/26 09:34	06/23/26 17:56	86-73-7	
Indeno(1,2,3-cd)pyrene	**59500**	ug/kg	4970	1010	500	06/18/26 09:34	06/23/26 17:33	193-39-5	
Naphthalene	**6090**	ug/kg	497	177	50	06/18/26 09:34	06/23/26 17:56	91-20-3	
Phenanthrene	**63800**	ug/kg	4970	1080	500	06/18/26 09:34	06/23/26 17:33	85-01-8	
Pyrene	**258000**	ug/kg	4970	1020	500	06/18/26 09:34	06/23/26 17:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%.	61-125		50	06/18/26 09:34	06/23/26 17:56	321-60-8	D4,S4
p-Terphenyl-d14 (S)	218	%.	61-125		50	06/18/26 09:34	06/23/26 17:56	1718-51-0	S4
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<373**	ug/kg	1160	373	1	06/25/26 09:21	06/25/26 19:15	67-64-1	
Allyl chloride	**<103**	ug/kg	233	103	1	06/25/26 09:21	06/25/26 19:15	107-05-1	
Benzene	**98.7**	ug/kg	23.3	7.8	1	06/25/26 09:21	06/25/26 19:15	71-43-2	
Bromobenzene	**<20.1**	ug/kg	58.2	20.1	1	06/25/26 09:21	06/25/26 19:15	108-86-1	
Bromochloromethane	**<18.4**	ug/kg	58.2	18.4	1	06/25/26 09:21	06/25/26 19:15	74-97-5	
Bromodichloromethane	**<23.7**	ug/kg	58.2	23.7	1	06/25/26 09:21	06/25/26 19:15	75-27-4	
Bromoform	**<111**	ug/kg	233	111	1	06/25/26 09:21	06/25/26 19:15	75-25-2	
Bromomethane	**<202**	ug/kg	582	202	1	06/25/26 09:21	06/25/26 19:15	74-83-9	
2-Butanone (MEK)	**<136**	ug/kg	291	136	1	06/25/26 09:21	06/25/26 19:15	78-93-3	
n-Butylbenzene	**116**	ug/kg	58.2	20.4	1	06/25/26 09:21	06/25/26 19:15	104-51-8	
sec-Butylbenzene	**26.5J**	ug/kg	58.2	15.0	1	06/25/26 09:21	06/25/26 19:15	135-98-8	
tert-Butylbenzene	**<17.1**	ug/kg	58.2	17.1	1	06/25/26 09:21	06/25/26 19:15	98-06-6	
Carbon tetrachloride	**208**	ug/kg	58.2	21.3	1	06/25/26 09:21	06/25/26 19:15	56-23-5	
Chlorobenzene	**<17.0**	ug/kg	58.2	17.0	1	06/25/26 09:21	06/25/26 19:15	108-90-7	
Chloroethane	**<161**	ug/kg	582	161	1	06/25/26 09:21	06/25/26 19:15	75-00-3	
Chloroform	**116**	ug/kg	58.2	22.4	1	06/25/26 09:21	06/25/26 19:15	67-66-3	
Chloromethane	**<35.8**	ug/kg	233	35.8	1	06/25/26 09:21	06/25/26 19:15	74-87-3	
2-Chlorotoluene	**<16.5**	ug/kg	58.2	16.5	1	06/25/26 09:21	06/25/26 19:15	95-49-8	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP63-1 **Lab ID: 10777060011** Collected: 06/11/26 16:15 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
4-Chlorotoluene	**<17.3**	ug/kg	58.2	17.3	1	06/25/26 09:21	06/25/26 19:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<96.9**	ug/kg	582	96.9	1	06/25/26 09:21	06/25/26 19:15	96-12-8	
Dibromochloromethane	**<57.6**	ug/kg	233	57.6	1	06/25/26 09:21	06/25/26 19:15	124-48-1	
1,2-Dibromoethane (EDB)	**<18.6**	ug/kg	58.2	18.6	1	06/25/26 09:21	06/25/26 19:15	106-93-4	
Dibromomethane	**<23.7**	ug/kg	58.2	23.7	1	06/25/26 09:21	06/25/26 19:15	74-95-3	
1,2-Dichlorobenzene	**<17.0**	ug/kg	58.2	17.0	1	06/25/26 09:21	06/25/26 19:15	95-50-1	
1,3-Dichlorobenzene	**<15.6**	ug/kg	58.2	15.6	1	06/25/26 09:21	06/25/26 19:15	541-73-1	
1,4-Dichlorobenzene	**<15.4**	ug/kg	58.2	15.4	1	06/25/26 09:21	06/25/26 19:15	106-46-7	
Dichlorodifluoromethane	**<31.1**	ug/kg	233	31.1	1	06/25/26 09:21	06/25/26 19:15	75-71-8	
1,1-Dichloroethane	**<16.1**	ug/kg	58.2	16.1	1	06/25/26 09:21	06/25/26 19:15	75-34-3	
1,2-Dichloroethane	**<16.2**	ug/kg	58.2	16.2	1	06/25/26 09:21	06/25/26 19:15	107-06-2	
1,1-Dichloroethene	**<15.5**	ug/kg	58.2	15.5	1	06/25/26 09:21	06/25/26 19:15	75-35-4	
cis-1,2-Dichloroethene	**<17.6**	ug/kg	58.2	17.6	1	06/25/26 09:21	06/25/26 19:15	156-59-2	
trans-1,2-Dichloroethene	**<15.5**	ug/kg	58.2	15.5	1	06/25/26 09:21	06/25/26 19:15	156-60-5	
Dichlorofluoromethane	**<85.4**	ug/kg	582	85.4	1	06/25/26 09:21	06/25/26 19:15	75-43-4	
1,2-Dichloropropane	**<17.7**	ug/kg	58.2	17.7	1	06/25/26 09:21	06/25/26 19:15	78-87-5	
1,3-Dichloropropane	**<18.4**	ug/kg	58.2	18.4	1	06/25/26 09:21	06/25/26 19:15	142-28-9	
2,2-Dichloropropane	**<25.5**	ug/kg	233	25.5	1	06/25/26 09:21	06/25/26 19:15	594-20-7	
1,1-Dichloropropene	**<14.9**	ug/kg	58.2	14.9	1	06/25/26 09:21	06/25/26 19:15	563-58-6	
cis-1,3-Dichloropropene	**<19.8**	ug/kg	58.2	19.8	1	06/25/26 09:21	06/25/26 19:15	10061-01-5	
trans-1,3-Dichloropropene	**<18.1**	ug/kg	58.2	18.1	1	06/25/26 09:21	06/25/26 19:15	10061-02-6	
Diethyl ether (Ethyl ether)	**<40.1**	ug/kg	233	40.1	1	06/25/26 09:21	06/25/26 19:15	60-29-7	
Ethylbenzene	**142**	ug/kg	58.2	19.5	1	06/25/26 09:21	06/25/26 19:15	100-41-4	
Hexachloro-1,3-butadiene	**<36.2**	ug/kg	291	36.2	1	06/25/26 09:21	06/25/26 19:15	87-68-3	
Isopropylbenzene (Cumene)	**85.2**	ug/kg	58.2	14.5	1	06/25/26 09:21	06/25/26 19:15	98-82-8	
p-Isopropyltoluene	**95.0**	ug/kg	58.2	15.2	1	06/25/26 09:21	06/25/26 19:15	99-87-6	
Methylene Chloride	**<115**	ug/kg	233	115	1	06/25/26 09:21	06/25/26 19:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<112**	ug/kg	291	112	1	06/25/26 09:21	06/25/26 19:15	108-10-1	
Methyl-tert-butyl ether	**<17.0**	ug/kg	58.2	17.0	1	06/25/26 09:21	06/25/26 19:15	1634-04-4	
Naphthalene	**4960**	ug/kg	233	23.3	1	06/25/26 09:21	06/25/26 19:15	91-20-3	
n-Propylbenzene	**112**	ug/kg	58.2	14.5	1	06/25/26 09:21	06/25/26 19:15	103-65-1	
Styrene	**<18.7**	ug/kg	58.2	18.7	1	06/25/26 09:21	06/25/26 19:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<19.7**	ug/kg	58.2	19.7	1	06/25/26 09:21	06/25/26 19:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<15.0**	ug/kg	58.2	15.0	1	06/25/26 09:21	06/25/26 19:15	79-34-5	
Tetrachloroethene	**30.8J**	ug/kg	58.2	20.2	1	06/25/26 09:21	06/25/26 19:15	127-18-4	
Tetrahydrofuran	**<435**	ug/kg	2330	435	1	06/25/26 09:21	06/25/26 19:15	109-99-9	
Toluene	**529**	ug/kg	58.2	23.3	1	06/25/26 09:21	06/25/26 19:15	108-88-3	
1,2,3-Trichlorobenzene	**<18.1**	ug/kg	58.2	18.1	1	06/25/26 09:21	06/25/26 19:15	87-61-6	
1,2,4-Trichlorobenzene	**<18.8**	ug/kg	58.2	18.8	1	06/25/26 09:21	06/25/26 19:15	120-82-1	
1,1,1-Trichloroethane	**<18.3**	ug/kg	58.2	18.3	1	06/25/26 09:21	06/25/26 19:15	71-55-6	
1,1,2-Trichloroethane	**<17.6**	ug/kg	58.2	17.6	1	06/25/26 09:21	06/25/26 19:15	79-00-5	
Trichloroethene	**51.6J**	ug/kg	58.2	15.7	1	06/25/26 09:21	06/25/26 19:15	79-01-6	
Trichlorofluoromethane	**<68.3**	ug/kg	233	68.3	1	06/25/26 09:21	06/25/26 19:15	75-69-4	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP63-1 **Lab ID: 10777060011** Collected: 06/11/26 16:15 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2,3-Trichloropropane	**<20.2**	ug/kg	233	20.2	1	06/25/26 09:21	06/25/26 19:15	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<23.6**	ug/kg	233	23.6	1	06/25/26 09:21	06/25/26 19:15	76-13-1	
1,2,4-Trimethylbenzene	**417**	ug/kg	58.2	16.9	1	06/25/26 09:21	06/25/26 19:15	95-63-6	
1,3,5-Trimethylbenzene	**105**	ug/kg	58.2	16.3	1	06/25/26 09:21	06/25/26 19:15	108-67-8	
Vinyl chloride	**<10.7**	ug/kg	23.3	10.7	1	06/25/26 09:21	06/25/26 19:15	75-01-4	L2,v2
Xylene (Total)	**972**	ug/kg	174	33.0	1	06/25/26 09:21	06/25/26 19:15	1330-20-7	
m&p-Xylene	**678**	ug/kg	116	33.0	1	06/25/26 09:21	06/25/26 19:15	179601-23-1	
o-Xylene	**294**	ug/kg	58.2	18.1	1	06/25/26 09:21	06/25/26 19:15	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/25/26 09:21	06/25/26 19:15	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125		1	06/25/26 09:21	06/25/26 19:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%.	75-125		1	06/25/26 09:21	06/25/26 19:15	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP64-1_3.3-3.5 **Lab ID: 10777060012** Collected: 06/12/26 08:20 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<138**	ug/kg	557	138	10	06/18/26 15:21	06/19/26 12:06	12674-11-2	
PCB-1221 (Aroclor 1221)	**<152**	ug/kg	557	152	10	06/18/26 15:21	06/19/26 12:06	11104-28-2	
PCB-1232 (Aroclor 1232)	**<179**	ug/kg	557	179	10	06/18/26 15:21	06/19/26 12:06	11141-16-5	
PCB-1242 (Aroclor 1242)	**<204**	ug/kg	557	204	10	06/18/26 15:21	06/19/26 12:06	53469-21-9	
PCB-1248 (Aroclor 1248)	**<169**	ug/kg	557	169	10	06/18/26 15:21	06/19/26 12:06	12672-29-6	
PCB-1254 (Aroclor 1254)	**329J**	ug/kg	557	188	10	06/18/26 15:21	06/19/26 12:06	11097-69-1	
PCB-1260 (Aroclor 1260)	**<164**	ug/kg	557	164	10	06/18/26 15:21	06/19/26 12:06	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	63	%.	30-125		10	06/18/26 15:21	06/19/26 12:06	877-09-8	ED
Decachlorobiphenyl (S)	58	%.	30-125		10	06/18/26 15:21	06/19/26 12:06	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**9950**	mg/kg	1380	385	100	06/18/26 12:12	06/24/26 19:38		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		100	06/18/26 12:12	06/24/26 19:38		S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**4.7J**	mg/kg	17.3	4.2	1	06/27/26 14:08	06/29/26 06:43		G+,G2
Surrogates									
a,a,a-Trifluorotoluene (S)	83	%.	80-200		1	06/27/26 14:08	06/29/26 06:43	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.8**	mg/kg	1.2	0.19	1	06/24/26 15:09	06/25/26 14:06	7440-38-2	
Barium	**125**	mg/kg	0.58	0.086	1	06/24/26 15:09	06/25/26 14:06	7440-39-3	
Cadmium	**7.4**	mg/kg	0.17	0.040	1	06/24/26 15:09	06/25/26 14:06	7440-43-9	
Chromium	**9.6**	mg/kg	0.58	0.17	1	06/24/26 15:09	06/25/26 14:06	7440-47-3	
Lead	**74.9**	mg/kg	0.58	0.26	1	06/24/26 15:09	06/25/26 14:06	7439-92-1	
Selenium	**0.57J**	mg/kg	1.2	0.50	1	06/24/26 15:09	06/25/26 14:06	7782-49-2	
Silver	**0.29J**	mg/kg	0.58	0.046	1	06/24/26 15:09	06/25/26 14:06	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.061**	mg/kg	0.021	0.0091	1	06/24/26 12:37	06/25/26 22:36	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**14.4**	%	0.10	0.10	1		06/26/26 09:52		N2

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP64-1_3.3-3.5 **Lab ID: 10777060012** Collected: 06/12/26 08:20 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**323**	ug/kg	286	31.5	5	06/18/26 09:34	06/24/26 05:44	83-32-9	
Acenaphthylene	**74.5J**	ug/kg	286	50.4	5	06/18/26 09:34	06/24/26 05:44	208-96-8	
Anthracene	**1800**	ug/kg	286	33.2	5	06/18/26 09:34	06/24/26 05:44	120-12-7	
Benzo(a)anthracene	**610**	ug/kg	286	52.7	5	06/18/26 09:34	06/24/26 05:44	56-55-3	
Benzo(a)pyrene	**<47.5**	ug/kg	286	47.5	5	06/18/26 09:34	06/24/26 05:44	50-32-8	
Benzo(b)fluoranthene	**<66.2**	ug/kg	286	66.2	5	06/18/26 09:34	06/24/26 05:44	205-99-2	
Benzo(g,h,i)perylene	**687**	ug/kg	286	63.6	5	06/18/26 09:34	06/24/26 05:44	191-24-2	
Benzo(k)fluoranthene	**<37.8**	ug/kg	286	37.8	5	06/18/26 09:34	06/24/26 05:44	207-08-9	
Chrysene	**1630**	ug/kg	286	37.0	5	06/18/26 09:34	06/24/26 05:44	218-01-9	
Dibenz(a,h)anthracene	**<40.7**	ug/kg	286	40.7	5	06/18/26 09:34	06/24/26 05:44	53-70-3	
Fluoranthene	**763**	ug/kg	286	74.5	5	06/18/26 09:34	06/24/26 05:44	206-44-0	
Fluorene	**689**	ug/kg	286	32.4	5	06/18/26 09:34	06/24/26 05:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**<58.1**	ug/kg	286	58.1	5	06/18/26 09:34	06/24/26 05:44	193-39-5	
Naphthalene	**144J**	ug/kg	286	102	5	06/18/26 09:34	06/24/26 05:44	91-20-3	
Phenanthrene	**6240**	ug/kg	286	62.4	5	06/18/26 09:34	06/24/26 05:44	85-01-8	
Pyrene	**2040**	ug/kg	286	59.0	5	06/18/26 09:34	06/24/26 05:44	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%.	61-125		5	06/18/26 09:34	06/24/26 05:44	321-60-8	D3,P3, S5
p-Terphenyl-d14 (S)	199	%.	61-125		5	06/18/26 09:34	06/24/26 05:44	1718-51-0	S5
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<618**	ug/kg	1930	618	1	06/25/26 14:28	06/26/26 07:07	67-64-1	
Allyl chloride	**<170**	ug/kg	385	170	1	06/25/26 14:28	06/26/26 07:07	107-05-1	
Benzene	**<13.0**	ug/kg	38.5	13.0	1	06/25/26 14:28	06/26/26 07:07	71-43-2	
Bromobenzene	**<33.3**	ug/kg	96.3	33.3	1	06/25/26 14:28	06/26/26 07:07	108-86-1	
Bromochloromethane	**<30.4**	ug/kg	96.3	30.4	1	06/25/26 14:28	06/26/26 07:07	74-97-5	
Bromodichloromethane	**<39.3**	ug/kg	96.3	39.3	1	06/25/26 14:28	06/26/26 07:07	75-27-4	
Bromoform	**<184**	ug/kg	385	184	1	06/25/26 14:28	06/26/26 07:07	75-25-2	
Bromomethane	**<335**	ug/kg	963	335	1	06/25/26 14:28	06/26/26 07:07	74-83-9	
2-Butanone (MEK)	**<225**	ug/kg	482	225	1	06/25/26 14:28	06/26/26 07:07	78-93-3	
n-Butylbenzene	**<33.7**	ug/kg	96.3	33.7	1	06/25/26 14:28	06/26/26 07:07	104-51-8	
sec-Butylbenzene	**<24.8**	ug/kg	96.3	24.8	1	06/25/26 14:28	06/26/26 07:07	135-98-8	
tert-Butylbenzene	**<28.3**	ug/kg	96.3	28.3	1	06/25/26 14:28	06/26/26 07:07	98-06-6	
Carbon tetrachloride	**<35.2**	ug/kg	96.3	35.2	1	06/25/26 14:28	06/26/26 07:07	56-23-5	
Chlorobenzene	**<28.1**	ug/kg	96.3	28.1	1	06/25/26 14:28	06/26/26 07:07	108-90-7	
Chloroethane	**<266**	ug/kg	963	266	1	06/25/26 14:28	06/26/26 07:07	75-00-3	
Chloroform	**<37.2**	ug/kg	96.3	37.2	1	06/25/26 14:28	06/26/26 07:07	67-66-3	
Chloromethane	**<59.3**	ug/kg	385	59.3	1	06/25/26 14:28	06/26/26 07:07	74-87-3	v2
2-Chlorotoluene	**<27.4**	ug/kg	96.3	27.4	1	06/25/26 14:28	06/26/26 07:07	95-49-8	
4-Chlorotoluene	**<28.7**	ug/kg	96.3	28.7	1	06/25/26 14:28	06/26/26 07:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<160**	ug/kg	963	160	1	06/25/26 14:28	06/26/26 07:07	96-12-8	
Dibromochloromethane	**<95.3**	ug/kg	385	95.3	1	06/25/26 14:28	06/26/26 07:07	124-48-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP64-1_3.3-3.5 **Lab ID: 10777060012** Collected: 06/12/26 08:20 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<30.8**	ug/kg	96.3	30.8	1	06/25/26 14:28	06/26/26 07:07	106-93-4	
Dibromomethane	**<39.3**	ug/kg	96.3	39.3	1	06/25/26 14:28	06/26/26 07:07	74-95-3	
1,2-Dichlorobenzene	**<28.1**	ug/kg	96.3	28.1	1	06/25/26 14:28	06/26/26 07:07	95-50-1	
1,3-Dichlorobenzene	**<25.8**	ug/kg	96.3	25.8	1	06/25/26 14:28	06/26/26 07:07	541-73-1	
1,4-Dichlorobenzene	**<25.4**	ug/kg	96.3	25.4	1	06/25/26 14:28	06/26/26 07:07	106-46-7	
Dichlorodifluoromethane	**<51.4**	ug/kg	385	51.4	1	06/25/26 14:28	06/26/26 07:07	75-71-8	
1,1-Dichloroethane	**<26.6**	ug/kg	96.3	26.6	1	06/25/26 14:28	06/26/26 07:07	75-34-3	
1,2-Dichloroethane	**<26.8**	ug/kg	96.3	26.8	1	06/25/26 14:28	06/26/26 07:07	107-06-2	
1,1-Dichloroethene	**<25.6**	ug/kg	96.3	25.6	1	06/25/26 14:28	06/26/26 07:07	75-35-4	
cis-1,2-Dichloroethene	**<29.1**	ug/kg	96.3	29.1	1	06/25/26 14:28	06/26/26 07:07	156-59-2	
trans-1,2-Dichloroethene	**<25.6**	ug/kg	96.3	25.6	1	06/25/26 14:28	06/26/26 07:07	156-60-5	
Dichlorofluoromethane	**<141**	ug/kg	963	141	1	06/25/26 14:28	06/26/26 07:07	75-43-4	
1,2-Dichloropropane	**<29.3**	ug/kg	96.3	29.3	1	06/25/26 14:28	06/26/26 07:07	78-87-5	
1,3-Dichloropropane	**<30.4**	ug/kg	96.3	30.4	1	06/25/26 14:28	06/26/26 07:07	142-28-9	
2,2-Dichloropropane	**<42.2**	ug/kg	385	42.2	1	06/25/26 14:28	06/26/26 07:07	594-20-7	
1,1-Dichloropropene	**<24.7**	ug/kg	96.3	24.7	1	06/25/26 14:28	06/26/26 07:07	563-58-6	
cis-1,3-Dichloropropene	**<32.7**	ug/kg	96.3	32.7	1	06/25/26 14:28	06/26/26 07:07	10061-01-5	
trans-1,3-Dichloropropene	**<30.0**	ug/kg	96.3	30.0	1	06/25/26 14:28	06/26/26 07:07	10061-02-6	
Diethyl ether (Ethyl ether)	**<66.5**	ug/kg	385	66.5	1	06/25/26 14:28	06/26/26 07:07	60-29-7	
Ethylbenzene	**<32.4**	ug/kg	96.3	32.4	1	06/25/26 14:28	06/26/26 07:07	100-41-4	
Hexachloro-1,3-butadiene	**<59.9**	ug/kg	482	59.9	1	06/25/26 14:28	06/26/26 07:07	87-68-3	
Isopropylbenzene (Cumene)	**<24.1**	ug/kg	96.3	24.1	1	06/25/26 14:28	06/26/26 07:07	98-82-8	
p-Isopropyltoluene	**<25.2**	ug/kg	96.3	25.2	1	06/25/26 14:28	06/26/26 07:07	99-87-6	
Methylene Chloride	**<191**	ug/kg	385	191	1	06/25/26 14:28	06/26/26 07:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<186**	ug/kg	482	186	1	06/25/26 14:28	06/26/26 07:07	108-10-1	
Methyl-tert-butyl ether	**<28.1**	ug/kg	96.3	28.1	1	06/25/26 14:28	06/26/26 07:07	1634-04-4	
Naphthalene	**<38.5**	ug/kg	385	38.5	1	06/25/26 14:28	06/26/26 07:07	91-20-3	
n-Propylbenzene	**<24.1**	ug/kg	96.3	24.1	1	06/25/26 14:28	06/26/26 07:07	103-65-1	
Styrene	**<31.0**	ug/kg	96.3	31.0	1	06/25/26 14:28	06/26/26 07:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<32.6**	ug/kg	96.3	32.6	1	06/25/26 14:28	06/26/26 07:07	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.8**	ug/kg	96.3	24.8	1	06/25/26 14:28	06/26/26 07:07	79-34-5	
Tetrachloroethene	**<33.5**	ug/kg	96.3	33.5	1	06/25/26 14:28	06/26/26 07:07	127-18-4	
Tetrahydrofuran	**<720**	ug/kg	3850	720	1	06/25/26 14:28	06/26/26 07:07	109-99-9	
Toluene	**<38.5**	ug/kg	96.3	38.5	1	06/25/26 14:28	06/26/26 07:07	108-88-3	
1,2,3-Trichlorobenzene	**<30.0**	ug/kg	96.3	30.0	1	06/25/26 14:28	06/26/26 07:07	87-61-6	
1,2,4-Trichlorobenzene	**<31.2**	ug/kg	96.3	31.2	1	06/25/26 14:28	06/26/26 07:07	120-82-1	
1,1,1-Trichloroethane	**<30.2**	ug/kg	96.3	30.2	1	06/25/26 14:28	06/26/26 07:07	71-55-6	
1,1,2-Trichloroethane	**<29.1**	ug/kg	96.3	29.1	1	06/25/26 14:28	06/26/26 07:07	79-00-5	
Trichloroethene	**<26.0**	ug/kg	96.3	26.0	1	06/25/26 14:28	06/26/26 07:07	79-01-6	
Trichlorofluoromethane	**<113**	ug/kg	385	113	1	06/25/26 14:28	06/26/26 07:07	75-69-4	L2,v2
1,2,3-Trichloropropane	**<33.5**	ug/kg	385	33.5	1	06/25/26 14:28	06/26/26 07:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<39.1**	ug/kg	385	39.1	1	06/25/26 14:28	06/26/26 07:07	76-13-1	
1,2,4-Trimethylbenzene	**<27.9**	ug/kg	96.3	27.9	1	06/25/26 14:28	06/26/26 07:07	95-63-6	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP64-1_3.3-3.5 **Lab ID: 10777060012** Collected: 06/12/26 08:20 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<27.0**	ug/kg	96.3	27.0	1	06/25/26 14:28	06/26/26 07:07	108-67-8	
Vinyl chloride	**<17.7**	ug/kg	38.5	17.7	1	06/25/26 14:28	06/26/26 07:07	75-01-4	L2,v2
Xylene (Total)	**<54.7**	ug/kg	289	54.7	1	06/25/26 14:28	06/26/26 07:07	1330-20-7	
m&p-Xylene	**<54.7**	ug/kg	193	54.7	1	06/25/26 14:28	06/26/26 07:07	179601-23-1	
o-Xylene	**<30.0**	ug/kg	96.3	30.0	1	06/25/26 14:28	06/26/26 07:07	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/25/26 14:28	06/26/26 07:07	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125		1	06/25/26 14:28	06/26/26 07:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%.	75-125		1	06/25/26 14:28	06/26/26 07:07	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP66-1_0-3.5 **Lab ID: 10777060013** Collected: 06/12/26 08:40 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.5**	ug/kg	50.5	12.5	1	06/18/26 15:21	06/19/26 14:47	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.8**	ug/kg	50.5	13.8	1	06/18/26 15:21	06/19/26 14:47	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.3**	ug/kg	50.5	16.3	1	06/18/26 15:21	06/19/26 14:47	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.5**	ug/kg	50.5	18.5	1	06/18/26 15:21	06/19/26 14:47	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.4**	ug/kg	50.5	15.4	1	06/18/26 15:21	06/19/26 14:47	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.1**	ug/kg	50.5	17.1	1	06/18/26 15:21	06/19/26 14:47	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.9**	ug/kg	50.5	14.9	1	06/18/26 15:21	06/19/26 14:47	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	99	%.	30-125		1	06/18/26 15:21	06/19/26 14:47	877-09-8	
Decachlorobiphenyl (S)	76	%.	30-125		1	06/18/26 15:21	06/19/26 14:47	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**18.2**	mg/kg	8.1	2.3	1	06/18/26 12:12	06/24/26 20:28		B,T6
Surrogates									
n-Triacontane (S)	116	%.	50-150		1	06/18/26 12:12	06/24/26 20:28		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.1**	mg/kg	12.5	3.1	1	06/27/26 14:08	06/29/26 06:22		
Surrogates									
a,a,a-Trifluorotoluene (S)	87	%.	80-200		1	06/27/26 14:08	06/29/26 06:22	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.6**	mg/kg	0.96	0.16	1	06/24/26 15:09	06/25/26 14:11	7440-38-2	
Barium	**15.2**	mg/kg	0.48	0.072	1	06/24/26 15:09	06/25/26 14:11	7440-39-3	
Cadmium	**0.042J**	mg/kg	0.14	0.034	1	06/24/26 15:09	06/25/26 14:11	7440-43-9	
Chromium	**1.4**	mg/kg	0.48	0.14	1	06/24/26 15:09	06/25/26 14:11	7440-47-3	
Lead	**0.50**	mg/kg	0.48	0.22	1	06/24/26 15:09	06/25/26 14:11	7439-92-1	
Selenium	**<0.42**	mg/kg	0.96	0.42	1	06/24/26 15:09	06/25/26 14:11	7782-49-2	
Silver	**<0.038**	mg/kg	0.48	0.038	1	06/24/26 15:09	06/25/26 14:11	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**<0.0082**	mg/kg	0.019	0.0082	1	06/24/26 12:37	06/25/26 22:37	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**3.0**	%	0.10	0.10	1		06/26/26 09:52		N2

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP66-1_0-3.5 **Lab ID: 10777060013** Collected: 06/12/26 08:40 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**1.2J**	ug/kg	10.2	1.1	1	06/18/26 09:34	06/23/26 06:13	83-32-9	
Acenaphthylene	**<1.8**	ug/kg	10.2	1.8	1	06/18/26 09:34	06/23/26 06:13	208-96-8	
Anthracene	**2.2J**	ug/kg	10.2	1.2	1	06/18/26 09:34	06/23/26 06:13	120-12-7	
Benzo(a)anthracene	**<1.9**	ug/kg	10.2	1.9	1	06/18/26 09:34	06/23/26 06:13	56-55-3	
Benzo(a)pyrene	**<1.7**	ug/kg	10.2	1.7	1	06/18/26 09:34	06/23/26 06:13	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	10.2	2.4	1	06/18/26 09:34	06/23/26 06:13	205-99-2	
Benzo(g,h,i)perylene	**<2.3**	ug/kg	10.2	2.3	1	06/18/26 09:34	06/23/26 06:13	191-24-2	
Benzo(k)fluoranthene	**<1.3**	ug/kg	10.2	1.3	1	06/18/26 09:34	06/23/26 06:13	207-08-9	
Chrysene	**<1.3**	ug/kg	10.2	1.3	1	06/18/26 09:34	06/23/26 06:13	218-01-9	
Dibenz(a,h)anthracene	**<1.4**	ug/kg	10.2	1.4	1	06/18/26 09:34	06/23/26 06:13	53-70-3	
Fluoranthene	**2.7J**	ug/kg	10.2	2.7	1	06/18/26 09:34	06/23/26 06:13	206-44-0	
Fluorene	**1.2J**	ug/kg	10.2	1.2	1	06/18/26 09:34	06/23/26 06:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.1**	ug/kg	10.2	2.1	1	06/18/26 09:34	06/23/26 06:13	193-39-5	
Naphthalene	**<3.6**	ug/kg	10.2	3.6	1	06/18/26 09:34	06/23/26 06:13	91-20-3	
Phenanthrene	**4.4J**	ug/kg	10.2	2.2	1	06/18/26 09:34	06/23/26 06:13	85-01-8	
Pyrene	**<2.1**	ug/kg	10.2	2.1	1	06/18/26 09:34	06/23/26 06:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%.	61-125		1	06/18/26 09:34	06/23/26 06:13	321-60-8	
p-Terphenyl-d14 (S)	78	%.	61-125		1	06/18/26 09:34	06/23/26 06:13	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<378**	ug/kg	1180	378	1	06/25/26 14:28	06/26/26 08:13	67-64-1	
Allyl chloride	**<104**	ug/kg	236	104	1	06/25/26 14:28	06/26/26 08:13	107-05-1	
Benzene	**<7.9**	ug/kg	23.6	7.9	1	06/25/26 14:28	06/26/26 08:13	71-43-2	
Bromobenzene	**<20.4**	ug/kg	58.9	20.4	1	06/25/26 14:28	06/26/26 08:13	108-86-1	
Bromochloromethane	**<18.6**	ug/kg	58.9	18.6	1	06/25/26 14:28	06/26/26 08:13	74-97-5	
Bromodichloromethane	**<24.0**	ug/kg	58.9	24.0	1	06/25/26 14:28	06/26/26 08:13	75-27-4	
Bromoform	**<112**	ug/kg	236	112	1	06/25/26 14:28	06/26/26 08:13	75-25-2	
Bromomethane	**<205**	ug/kg	589	205	1	06/25/26 14:28	06/26/26 08:13	74-83-9	
2-Butanone (MEK)	**<138**	ug/kg	294	138	1	06/25/26 14:28	06/26/26 08:13	78-93-3	
n-Butylbenzene	**<20.6**	ug/kg	58.9	20.6	1	06/25/26 14:28	06/26/26 08:13	104-51-8	
sec-Butylbenzene	**<15.2**	ug/kg	58.9	15.2	1	06/25/26 14:28	06/26/26 08:13	135-98-8	
tert-Butylbenzene	**<17.3**	ug/kg	58.9	17.3	1	06/25/26 14:28	06/26/26 08:13	98-06-6	
Carbon tetrachloride	**<21.6**	ug/kg	58.9	21.6	1	06/25/26 14:28	06/26/26 08:13	56-23-5	
Chlorobenzene	**<17.2**	ug/kg	58.9	17.2	1	06/25/26 14:28	06/26/26 08:13	108-90-7	
Chloroethane	**<163**	ug/kg	589	163	1	06/25/26 14:28	06/26/26 08:13	75-00-3	
Chloroform	**<22.7**	ug/kg	58.9	22.7	1	06/25/26 14:28	06/26/26 08:13	67-66-3	
Chloromethane	**<36.3**	ug/kg	236	36.3	1	06/25/26 14:28	06/26/26 08:13	74-87-3	v2
2-Chlorotoluene	**<16.7**	ug/kg	58.9	16.7	1	06/25/26 14:28	06/26/26 08:13	95-49-8	
4-Chlorotoluene	**<17.5**	ug/kg	58.9	17.5	1	06/25/26 14:28	06/26/26 08:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<98.1**	ug/kg	589	98.1	1	06/25/26 14:28	06/26/26 08:13	96-12-8	
Dibromochloromethane	**<58.3**	ug/kg	236	58.3	1	06/25/26 14:28	06/26/26 08:13	124-48-1	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP66-1_0-3.5 **Lab ID: 10777060013** Collected: 06/12/26 08:40 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<18.8**	ug/kg	58.9	18.8	1	06/25/26 14:28	06/26/26 08:13	106-93-4	
Dibromomethane	**<24.0**	ug/kg	58.9	24.0	1	06/25/26 14:28	06/26/26 08:13	74-95-3	
1,2-Dichlorobenzene	**<17.2**	ug/kg	58.9	17.2	1	06/25/26 14:28	06/26/26 08:13	95-50-1	
1,3-Dichlorobenzene	**<15.8**	ug/kg	58.9	15.8	1	06/25/26 14:28	06/26/26 08:13	541-73-1	
1,4-Dichlorobenzene	**<15.5**	ug/kg	58.9	15.5	1	06/25/26 14:28	06/26/26 08:13	106-46-7	
Dichlorodifluoromethane	**<31.4**	ug/kg	236	31.4	1	06/25/26 14:28	06/26/26 08:13	75-71-8	
1,1-Dichloroethane	**<16.3**	ug/kg	58.9	16.3	1	06/25/26 14:28	06/26/26 08:13	75-34-3	
1,2-Dichloroethane	**<16.4**	ug/kg	58.9	16.4	1	06/25/26 14:28	06/26/26 08:13	107-06-2	
1,1-Dichloroethene	**<15.7**	ug/kg	58.9	15.7	1	06/25/26 14:28	06/26/26 08:13	75-35-4	
cis-1,2-Dichloroethene	**<17.8**	ug/kg	58.9	17.8	1	06/25/26 14:28	06/26/26 08:13	156-59-2	
trans-1,2-Dichloroethene	**<15.7**	ug/kg	58.9	15.7	1	06/25/26 14:28	06/26/26 08:13	156-60-5	
Dichlorofluoromethane	**<86.4**	ug/kg	589	86.4	1	06/25/26 14:28	06/26/26 08:13	75-43-4	
1,2-Dichloropropane	**<17.9**	ug/kg	58.9	17.9	1	06/25/26 14:28	06/26/26 08:13	78-87-5	
1,3-Dichloropropane	**<18.6**	ug/kg	58.9	18.6	1	06/25/26 14:28	06/26/26 08:13	142-28-9	
2,2-Dichloropropane	**<25.8**	ug/kg	236	25.8	1	06/25/26 14:28	06/26/26 08:13	594-20-7	
1,1-Dichloropropene	**<15.1**	ug/kg	58.9	15.1	1	06/25/26 14:28	06/26/26 08:13	563-58-6	
cis-1,3-Dichloropropene	**<20.0**	ug/kg	58.9	20.0	1	06/25/26 14:28	06/26/26 08:13	10061-01-5	
trans-1,3-Dichloropropene	**<18.4**	ug/kg	58.9	18.4	1	06/25/26 14:28	06/26/26 08:13	10061-02-6	
Diethyl ether (Ethyl ether)	**<40.6**	ug/kg	236	40.6	1	06/25/26 14:28	06/26/26 08:13	60-29-7	
Ethylbenzene	**<19.8**	ug/kg	58.9	19.8	1	06/25/26 14:28	06/26/26 08:13	100-41-4	
Hexachloro-1,3-butadiene	**<36.6**	ug/kg	294	36.6	1	06/25/26 14:28	06/26/26 08:13	87-68-3	
Isopropylbenzene (Cumene)	**<14.7**	ug/kg	58.9	14.7	1	06/25/26 14:28	06/26/26 08:13	98-82-8	
p-Isopropyltoluene	**<15.4**	ug/kg	58.9	15.4	1	06/25/26 14:28	06/26/26 08:13	99-87-6	
Methylene Chloride	**<117**	ug/kg	236	117	1	06/25/26 14:28	06/26/26 08:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<114**	ug/kg	294	114	1	06/25/26 14:28	06/26/26 08:13	108-10-1	
Methyl-tert-butyl ether	**<17.2**	ug/kg	58.9	17.2	1	06/25/26 14:28	06/26/26 08:13	1634-04-4	
Naphthalene	**<23.6**	ug/kg	236	23.6	1	06/25/26 14:28	06/26/26 08:13	91-20-3	
n-Propylbenzene	**<14.7**	ug/kg	58.9	14.7	1	06/25/26 14:28	06/26/26 08:13	103-65-1	
Styrene	**<19.0**	ug/kg	58.9	19.0	1	06/25/26 14:28	06/26/26 08:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<19.9**	ug/kg	58.9	19.9	1	06/25/26 14:28	06/26/26 08:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<15.2**	ug/kg	58.9	15.2	1	06/25/26 14:28	06/26/26 08:13	79-34-5	
Tetrachloroethene	**<20.5**	ug/kg	58.9	20.5	1	06/25/26 14:28	06/26/26 08:13	127-18-4	
Tetrahydrofuran	**<440**	ug/kg	2360	440	1	06/25/26 14:28	06/26/26 08:13	109-99-9	
Toluene	**<23.6**	ug/kg	58.9	23.6	1	06/25/26 14:28	06/26/26 08:13	108-88-3	
1,2,3-Trichlorobenzene	**<18.4**	ug/kg	58.9	18.4	1	06/25/26 14:28	06/26/26 08:13	87-61-6	
1,2,4-Trichlorobenzene	**<19.1**	ug/kg	58.9	19.1	1	06/25/26 14:28	06/26/26 08:13	120-82-1	
1,1,1-Trichloroethane	**<18.5**	ug/kg	58.9	18.5	1	06/25/26 14:28	06/26/26 08:13	71-55-6	
1,1,2-Trichloroethane	**<17.8**	ug/kg	58.9	17.8	1	06/25/26 14:28	06/26/26 08:13	79-00-5	
Trichloroethene	**<15.9**	ug/kg	58.9	15.9	1	06/25/26 14:28	06/26/26 08:13	79-01-6	
Trichlorofluoromethane	**<69.1**	ug/kg	236	69.1	1	06/25/26 14:28	06/26/26 08:13	75-69-4	L2,v2
1,2,3-Trichloropropane	**<20.5**	ug/kg	236	20.5	1	06/25/26 14:28	06/26/26 08:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<23.9**	ug/kg	236	23.9	1	06/25/26 14:28	06/26/26 08:13	76-13-1	
1,2,4-Trimethylbenzene	**<17.1**	ug/kg	58.9	17.1	1	06/25/26 14:28	06/26/26 08:13	95-63-6	

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP66-1_0-3.5 **Lab ID: 10777060013** Collected: 06/12/26 08:40 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<16.5**	ug/kg	58.9	16.5	1	06/25/26 14:28	06/26/26 08:13	108-67-8	
Vinyl chloride	**<10.8**	ug/kg	23.6	10.8	1	06/25/26 14:28	06/26/26 08:13	75-01-4	L2,v2
Xylene (Total)	**<33.4**	ug/kg	177	33.4	1	06/25/26 14:28	06/26/26 08:13	1330-20-7	
m&p-Xylene	**<33.4**	ug/kg	118	33.4	1	06/25/26 14:28	06/26/26 08:13	179601-23-1	
o-Xylene	**<18.4**	ug/kg	58.9	18.4	1	06/25/26 14:28	06/26/26 08:13	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%.	75-125		1	06/25/26 14:28	06/26/26 08:13	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/25/26 14:28	06/26/26 08:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/25/26 14:28	06/26/26 08:13	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP67-1_0-3.5 **Lab ID: 10777060014** Collected: 06/12/26 08:45 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.7**	ug/kg	51.2	12.7	1	06/18/26 15:21	06/19/26 15:03	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.0**	ug/kg	51.2	14.0	1	06/18/26 15:21	06/19/26 15:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.5**	ug/kg	51.2	16.5	1	06/18/26 15:21	06/19/26 15:03	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.7**	ug/kg	51.2	18.7	1	06/18/26 15:21	06/19/26 15:03	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.6**	ug/kg	51.2	15.6	1	06/18/26 15:21	06/19/26 15:03	12672-29-6	
PCB-1254 (Aroclor 1254)	**23.0J**	ug/kg	51.2	17.3	1	06/18/26 15:21	06/19/26 15:03	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.0**	ug/kg	51.2	15.0	1	06/18/26 15:21	06/19/26 15:03	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	89	%.	30-125		1	06/18/26 15:21	06/19/26 15:03	877-09-8	
Decachlorobiphenyl (S)	81	%.	30-125		1	06/18/26 15:21	06/19/26 15:03	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**22.8**	mg/kg	8.8	2.5	1	06/18/26 12:12	06/24/26 20:35		B,T6
Surrogates									
n-Triacontane (S)	105	%.	50-150		1	06/18/26 12:12	06/24/26 20:35		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.8**	mg/kg	11.6	2.8	1	06/27/26 14:08	06/29/26 06:00		
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%.	80-200		1	06/27/26 14:08	06/29/26 06:00	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.5**	mg/kg	1.0	0.17	1	06/24/26 15:09	06/25/26 14:13	7440-38-2	
Barium	**26.5**	mg/kg	0.51	0.076	1	06/24/26 15:09	06/25/26 14:13	7440-39-3	
Cadmium	**<0.036**	mg/kg	0.15	0.036	1	06/24/26 15:09	06/25/26 14:13	7440-43-9	
Chromium	**3.0**	mg/kg	0.51	0.15	1	06/24/26 15:09	06/25/26 14:13	7440-47-3	
Lead	**2.7**	mg/kg	0.51	0.23	1	06/24/26 15:09	06/25/26 14:13	7439-92-1	
Selenium	**<0.44**	mg/kg	1.0	0.44	1	06/24/26 15:09	06/25/26 14:13	7782-49-2	
Silver	**<0.041**	mg/kg	0.51	0.041	1	06/24/26 15:09	06/25/26 14:13	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.010J**	mg/kg	0.018	0.0079	1	06/24/26 12:37	06/25/26 22:39	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**5.1**	%	0.10	0.10	1		06/26/26 09:53		N2

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP67-1_0-3.5 **Lab ID: 10777060014** Collected: 06/12/26 08:45 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.1**	ug/kg	10.4	1.1	1	06/18/26 11:24	06/22/26 18:02	83-32-9	
Acenaphthylene	**<1.8**	ug/kg	10.4	1.8	1	06/18/26 11:24	06/22/26 18:02	208-96-8	
Anthracene	**1.7J**	ug/kg	10.4	1.2	1	06/18/26 11:24	06/22/26 18:02	120-12-7	
Benzo(a)anthracene	**<1.9**	ug/kg	10.4	1.9	1	06/18/26 11:24	06/22/26 18:02	56-55-3	
Benzo(a)pyrene	**8.1J**	ug/kg	10.4	1.7	1	06/18/26 11:24	06/22/26 18:02	50-32-8	
Benzo(b)fluoranthene	**13.7**	ug/kg	10.4	2.4	1	06/18/26 11:24	06/22/26 18:02	205-99-2	
Benzo(g,h,i)perylene	**12.1**	ug/kg	10.4	2.3	1	06/18/26 11:24	06/22/26 18:02	191-24-2	
Benzo(k)fluoranthene	**7.1J**	ug/kg	10.4	1.4	1	06/18/26 11:24	06/22/26 18:02	207-08-9	
Chrysene	**1.5J**	ug/kg	10.4	1.3	1	06/18/26 11:24	06/22/26 18:02	218-01-9	
Dibenz(a,h)anthracene	**5.4J**	ug/kg	10.4	1.5	1	06/18/26 11:24	06/22/26 18:02	53-70-3	
Fluoranthene	**<2.7**	ug/kg	10.4	2.7	1	06/18/26 11:24	06/22/26 18:02	206-44-0	
Fluorene	**<1.2**	ug/kg	10.4	1.2	1	06/18/26 11:24	06/22/26 18:02	86-73-7	
Indeno(1,2,3-cd)pyrene	**13.6**	ug/kg	10.4	2.1	1	06/18/26 11:24	06/22/26 18:02	193-39-5	
Naphthalene	**<3.7**	ug/kg	10.4	3.7	1	06/18/26 11:24	06/22/26 18:02	91-20-3	
Phenanthrene	**2.3J**	ug/kg	10.4	2.3	1	06/18/26 11:24	06/22/26 18:02	85-01-8	
Pyrene	**<2.1**	ug/kg	10.4	2.1	1	06/18/26 11:24	06/22/26 18:02	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	75	%.	61-125		1	06/18/26 11:24	06/22/26 18:02	321-60-8	
p-Terphenyl-d14 (S)	95	%.	61-125		1	06/18/26 11:24	06/22/26 18:02	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<377**	ug/kg	1170	377	1	06/25/26 14:28	06/26/26 07:24	67-64-1	
Allyl chloride	**<103**	ug/kg	235	103	1	06/25/26 14:28	06/26/26 07:24	107-05-1	
Benzene	**<7.9**	ug/kg	23.5	7.9	1	06/25/26 14:28	06/26/26 07:24	71-43-2	
Bromobenzene	**<20.3**	ug/kg	58.6	20.3	1	06/25/26 14:28	06/26/26 07:24	108-86-1	
Bromochloromethane	**<18.5**	ug/kg	58.6	18.5	1	06/25/26 14:28	06/26/26 07:24	74-97-5	
Bromodichloromethane	**<23.9**	ug/kg	58.6	23.9	1	06/25/26 14:28	06/26/26 07:24	75-27-4	
Bromoform	**<112**	ug/kg	235	112	1	06/25/26 14:28	06/26/26 07:24	75-25-2	
Bromomethane	**<204**	ug/kg	586	204	1	06/25/26 14:28	06/26/26 07:24	74-83-9	
2-Butanone (MEK)	**<137**	ug/kg	293	137	1	06/25/26 14:28	06/26/26 07:24	78-93-3	
n-Butylbenzene	**<20.5**	ug/kg	58.6	20.5	1	06/25/26 14:28	06/26/26 07:24	104-51-8	
sec-Butylbenzene	**<15.1**	ug/kg	58.6	15.1	1	06/25/26 14:28	06/26/26 07:24	135-98-8	
tert-Butylbenzene	**<17.2**	ug/kg	58.6	17.2	1	06/25/26 14:28	06/26/26 07:24	98-06-6	
Carbon tetrachloride	**<21.5**	ug/kg	58.6	21.5	1	06/25/26 14:28	06/26/26 07:24	56-23-5	
Chlorobenzene	**<17.1**	ug/kg	58.6	17.1	1	06/25/26 14:28	06/26/26 07:24	108-90-7	
Chloroethane	**<162**	ug/kg	586	162	1	06/25/26 14:28	06/26/26 07:24	75-00-3	
Chloroform	**<22.6**	ug/kg	58.6	22.6	1	06/25/26 14:28	06/26/26 07:24	67-66-3	
Chloromethane	**<36.1**	ug/kg	235	36.1	1	06/25/26 14:28	06/26/26 07:24	74-87-3	v2
2-Chlorotoluene	**<16.7**	ug/kg	58.6	16.7	1	06/25/26 14:28	06/26/26 07:24	95-49-8	
4-Chlorotoluene	**<17.5**	ug/kg	58.6	17.5	1	06/25/26 14:28	06/26/26 07:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<97.7**	ug/kg	586	97.7	1	06/25/26 14:28	06/26/26 07:24	96-12-8	
Dibromochloromethane	**<58.1**	ug/kg	235	58.1	1	06/25/26 14:28	06/26/26 07:24	124-48-1	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP67-1_0-3.5 **Lab ID: 10777060014** Collected: 06/12/26 08:45 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<18.8**	ug/kg	58.6	18.8	1	06/25/26 14:28	06/26/26 07:24	106-93-4	
Dibromomethane	**<23.9**	ug/kg	58.6	23.9	1	06/25/26 14:28	06/26/26 07:24	74-95-3	
1,2-Dichlorobenzene	**<17.1**	ug/kg	58.6	17.1	1	06/25/26 14:28	06/26/26 07:24	95-50-1	
1,3-Dichlorobenzene	**<15.7**	ug/kg	58.6	15.7	1	06/25/26 14:28	06/26/26 07:24	541-73-1	
1,4-Dichlorobenzene	**<15.5**	ug/kg	58.6	15.5	1	06/25/26 14:28	06/26/26 07:24	106-46-7	
Dichlorodifluoromethane	**<31.3**	ug/kg	235	31.3	1	06/25/26 14:28	06/26/26 07:24	75-71-8	
1,1-Dichloroethane	**<16.2**	ug/kg	58.6	16.2	1	06/25/26 14:28	06/26/26 07:24	75-34-3	
1,2-Dichloroethane	**<16.3**	ug/kg	58.6	16.3	1	06/25/26 14:28	06/26/26 07:24	107-06-2	
1,1-Dichloroethene	**<15.6**	ug/kg	58.6	15.6	1	06/25/26 14:28	06/26/26 07:24	75-35-4	
cis-1,2-Dichloroethene	**<17.7**	ug/kg	58.6	17.7	1	06/25/26 14:28	06/26/26 07:24	156-59-2	
trans-1,2-Dichloroethene	**<15.6**	ug/kg	58.6	15.6	1	06/25/26 14:28	06/26/26 07:24	156-60-5	
Dichlorofluoromethane	**<86.1**	ug/kg	586	86.1	1	06/25/26 14:28	06/26/26 07:24	75-43-4	
1,2-Dichloropropane	**<17.8**	ug/kg	58.6	17.8	1	06/25/26 14:28	06/26/26 07:24	78-87-5	
1,3-Dichloropropane	**<18.5**	ug/kg	58.6	18.5	1	06/25/26 14:28	06/26/26 07:24	142-28-9	
2,2-Dichloropropane	**<25.7**	ug/kg	235	25.7	1	06/25/26 14:28	06/26/26 07:24	594-20-7	
1,1-Dichloropropene	**<15.0**	ug/kg	58.6	15.0	1	06/25/26 14:28	06/26/26 07:24	563-58-6	
cis-1,3-Dichloropropene	**<19.9**	ug/kg	58.6	19.9	1	06/25/26 14:28	06/26/26 07:24	10061-01-5	
trans-1,3-Dichloropropene	**<18.3**	ug/kg	58.6	18.3	1	06/25/26 14:28	06/26/26 07:24	10061-02-6	
Diethyl ether (Ethyl ether)	**<40.5**	ug/kg	235	40.5	1	06/25/26 14:28	06/26/26 07:24	60-29-7	
Ethylbenzene	**<19.7**	ug/kg	58.6	19.7	1	06/25/26 14:28	06/26/26 07:24	100-41-4	
Hexachloro-1,3-butadiene	**<36.5**	ug/kg	293	36.5	1	06/25/26 14:28	06/26/26 07:24	87-68-3	
Isopropylbenzene (Cumene)	**<14.7**	ug/kg	58.6	14.7	1	06/25/26 14:28	06/26/26 07:24	98-82-8	
p-Isopropyltoluene	**<15.4**	ug/kg	58.6	15.4	1	06/25/26 14:28	06/26/26 07:24	99-87-6	
Methylene Chloride	**<116**	ug/kg	235	116	1	06/25/26 14:28	06/26/26 07:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<113**	ug/kg	293	113	1	06/25/26 14:28	06/26/26 07:24	108-10-1	
Methyl-tert-butyl ether	**<17.1**	ug/kg	58.6	17.1	1	06/25/26 14:28	06/26/26 07:24	1634-04-4	
Naphthalene	**<23.5**	ug/kg	235	23.5	1	06/25/26 14:28	06/26/26 07:24	91-20-3	
n-Propylbenzene	**<14.7**	ug/kg	58.6	14.7	1	06/25/26 14:28	06/26/26 07:24	103-65-1	
Styrene	**<18.9**	ug/kg	58.6	18.9	1	06/25/26 14:28	06/26/26 07:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<19.8**	ug/kg	58.6	19.8	1	06/25/26 14:28	06/26/26 07:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<15.1**	ug/kg	58.6	15.1	1	06/25/26 14:28	06/26/26 07:24	79-34-5	
Tetrachloroethene	**<20.4**	ug/kg	58.6	20.4	1	06/25/26 14:28	06/26/26 07:24	127-18-4	
Tetrahydrofuran	**<439**	ug/kg	2350	439	1	06/25/26 14:28	06/26/26 07:24	109-99-9	
Toluene	**<23.5**	ug/kg	58.6	23.5	1	06/25/26 14:28	06/26/26 07:24	108-88-3	
1,2,3-Trichlorobenzene	**<18.3**	ug/kg	58.6	18.3	1	06/25/26 14:28	06/26/26 07:24	87-61-6	
1,2,4-Trichlorobenzene	**<19.0**	ug/kg	58.6	19.0	1	06/25/26 14:28	06/26/26 07:24	120-82-1	
1,1,1-Trichloroethane	**<18.4**	ug/kg	58.6	18.4	1	06/25/26 14:28	06/26/26 07:24	71-55-6	
1,1,2-Trichloroethane	**<17.7**	ug/kg	58.6	17.7	1	06/25/26 14:28	06/26/26 07:24	79-00-5	
Trichloroethene	**<15.8**	ug/kg	58.6	15.8	1	06/25/26 14:28	06/26/26 07:24	79-01-6	
Trichlorofluoromethane	**<68.9**	ug/kg	235	68.9	1	06/25/26 14:28	06/26/26 07:24	75-69-4	L2,v2
1,2,3-Trichloropropane	**<20.4**	ug/kg	235	20.4	1	06/25/26 14:28	06/26/26 07:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<23.8**	ug/kg	235	23.8	1	06/25/26 14:28	06/26/26 07:24	76-13-1	
1,2,4-Trimethylbenzene	**<17.0**	ug/kg	58.6	17.0	1	06/25/26 14:28	06/26/26 07:24	95-63-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP67-1_0-3.5 **Lab ID: 10777060014** Collected: 06/12/26 08:45 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<16.4**	ug/kg	58.6	16.4	1	06/25/26 14:28	06/26/26 07:24	108-67-8	
Vinyl chloride	**<10.8**	ug/kg	23.5	10.8	1	06/25/26 14:28	06/26/26 07:24	75-01-4	L2,v2
Xylene (Total)	**<33.3**	ug/kg	176	33.3	1	06/25/26 14:28	06/26/26 07:24	1330-20-7	
m&p-Xylene	**<33.3**	ug/kg	117	33.3	1	06/25/26 14:28	06/26/26 07:24	179601-23-1	
o-Xylene	**<18.3**	ug/kg	58.6	18.3	1	06/25/26 14:28	06/26/26 07:24	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/25/26 14:28	06/26/26 07:24	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1	06/25/26 14:28	06/26/26 07:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/25/26 14:28	06/26/26 07:24	2199-69-1	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP68-1_0-3.5 **Lab ID: 10777060015** Collected: 06/12/26 08:53 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<15.1**	ug/kg	60.8	15.1	1	06/18/26 15:21	06/19/26 15:19	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.7**	ug/kg	60.8	16.7	1	06/18/26 15:21	06/19/26 15:19	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.6**	ug/kg	60.8	19.6	1	06/18/26 15:21	06/19/26 15:19	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.3**	ug/kg	60.8	22.3	1	06/18/26 15:21	06/19/26 15:19	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.5**	ug/kg	60.8	18.5	1	06/18/26 15:21	06/19/26 15:19	12672-29-6	
PCB-1254 (Aroclor 1254)	**32.9J**	ug/kg	60.8	20.6	1	06/18/26 15:21	06/19/26 15:19	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.9**	ug/kg	60.8	17.9	1	06/18/26 15:21	06/19/26 15:19	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	106	%.	30-125		1	06/18/26 15:21	06/19/26 15:19	877-09-8	
Decachlorobiphenyl (S)	95	%.	30-125		1	06/18/26 15:21	06/19/26 15:19	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**17.4**	mg/kg	8.8	2.5	1	06/18/26 12:12	06/24/26 20:07		B,T6
Surrogates									
n-Triacontane (S)	106	%.	50-150		1	06/18/26 12:12	06/24/26 20:07		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.9**	mg/kg	16.1	3.9	1	06/27/26 14:08	06/29/26 05:38		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	92	%.	80-200		1	06/27/26 14:08	06/29/26 05:38	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.1**	mg/kg	1.2	0.20	1	06/24/26 15:09	06/25/26 14:15	7440-38-2	
Barium	**35.4**	mg/kg	0.59	0.089	1	06/24/26 15:09	06/25/26 14:15	7440-39-3	
Cadmium	**<0.042**	mg/kg	0.18	0.042	1	06/24/26 15:09	06/25/26 14:15	7440-43-9	
Chromium	**4.9**	mg/kg	0.59	0.18	1	06/24/26 15:09	06/25/26 14:15	7440-47-3	
Lead	**9.1**	mg/kg	0.59	0.27	1	06/24/26 15:09	06/25/26 14:15	7439-92-1	
Selenium	**<0.52**	mg/kg	1.2	0.52	1	06/24/26 15:09	06/25/26 14:15	7782-49-2	
Silver	**<0.048**	mg/kg	0.59	0.048	1	06/24/26 15:09	06/25/26 14:15	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**<0.0093**	mg/kg	0.021	0.0093	1	06/24/26 12:37	06/25/26 22:41	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**18.6**	%	0.10	0.10	1		06/26/26 09:53		N2

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP68-1_0-3.5 **Lab ID: 10777060015** Collected: 06/12/26 08:53 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.3**	ug/kg	11.9	1.3	1	06/18/26 11:24	06/22/26 18:24	83-32-9	
Acenaphthylene	**<2.1**	ug/kg	11.9	2.1	1	06/18/26 11:24	06/22/26 18:24	208-96-8	
Anthracene	**1.6J**	ug/kg	11.9	1.4	1	06/18/26 11:24	06/22/26 18:24	120-12-7	
Benzo(a)anthracene	**4.8J**	ug/kg	11.9	2.2	1	06/18/26 11:24	06/22/26 18:24	56-55-3	
Benzo(a)pyrene	**6.5J**	ug/kg	11.9	2.0	1	06/18/26 11:24	06/22/26 18:24	50-32-8	
Benzo(b)fluoranthene	**11.8J**	ug/kg	11.9	2.8	1	06/18/26 11:24	06/22/26 18:24	205-99-2	
Benzo(g,h,i)perylene	**5.3J**	ug/kg	11.9	2.6	1	06/18/26 11:24	06/22/26 18:24	191-24-2	
Benzo(k)fluoranthene	**4.8J**	ug/kg	11.9	1.6	1	06/18/26 11:24	06/22/26 18:24	207-08-9	
Chrysene	**13.5**	ug/kg	11.9	1.5	1	06/18/26 11:24	06/22/26 18:24	218-01-9	
Dibenz(a,h)anthracene	**2.4J**	ug/kg	11.9	1.7	1	06/18/26 11:24	06/22/26 18:24	53-70-3	
Fluoranthene	**15.9**	ug/kg	11.9	3.1	1	06/18/26 11:24	06/22/26 18:24	206-44-0	
Fluorene	**1.6J**	ug/kg	11.9	1.3	1	06/18/26 11:24	06/22/26 18:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**6.6J**	ug/kg	11.9	2.4	1	06/18/26 11:24	06/22/26 18:24	193-39-5	
Naphthalene	**5.1J**	ug/kg	11.9	4.2	1	06/18/26 11:24	06/22/26 18:24	91-20-3	
Phenanthrene	**22.7**	ug/kg	11.9	2.6	1	06/18/26 11:24	06/22/26 18:24	85-01-8	
Pyrene	**10.8J**	ug/kg	11.9	2.5	1	06/18/26 11:24	06/22/26 18:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%.	61-125		1	06/18/26 11:24	06/22/26 18:24	321-60-8	
p-Terphenyl-d14 (S)	84	%.	61-125		1	06/18/26 11:24	06/22/26 18:24	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<469**	ug/kg	1460	469	1	06/25/26 14:28	06/26/26 07:40	67-64-1	
Allyl chloride	**<129**	ug/kg	292	129	1	06/25/26 14:28	06/26/26 07:40	107-05-1	
Benzene	**<9.8**	ug/kg	29.2	9.8	1	06/25/26 14:28	06/26/26 07:40	71-43-2	
Bromobenzene	**<25.3**	ug/kg	73.1	25.3	1	06/25/26 14:28	06/26/26 07:40	108-86-1	
Bromochloromethane	**<23.1**	ug/kg	73.1	23.1	1	06/25/26 14:28	06/26/26 07:40	74-97-5	
Bromodichloromethane	**<29.8**	ug/kg	73.1	29.8	1	06/25/26 14:28	06/26/26 07:40	75-27-4	
Bromoform	**<140**	ug/kg	292	140	1	06/25/26 14:28	06/26/26 07:40	75-25-2	
Bromomethane	**<254**	ug/kg	731	254	1	06/25/26 14:28	06/26/26 07:40	74-83-9	
2-Butanone (MEK)	**<171**	ug/kg	365	171	1	06/25/26 14:28	06/26/26 07:40	78-93-3	
n-Butylbenzene	**<25.6**	ug/kg	73.1	25.6	1	06/25/26 14:28	06/26/26 07:40	104-51-8	
sec-Butylbenzene	**<18.9**	ug/kg	73.1	18.9	1	06/25/26 14:28	06/26/26 07:40	135-98-8	
tert-Butylbenzene	**<21.5**	ug/kg	73.1	21.5	1	06/25/26 14:28	06/26/26 07:40	98-06-6	
Carbon tetrachloride	**<26.7**	ug/kg	73.1	26.7	1	06/25/26 14:28	06/26/26 07:40	56-23-5	
Chlorobenzene	**<21.3**	ug/kg	73.1	21.3	1	06/25/26 14:28	06/26/26 07:40	108-90-7	
Chloroethane	**<202**	ug/kg	731	202	1	06/25/26 14:28	06/26/26 07:40	75-00-3	
Chloroform	**<28.2**	ug/kg	73.1	28.2	1	06/25/26 14:28	06/26/26 07:40	67-66-3	
Chloromethane	**<45.0**	ug/kg	292	45.0	1	06/25/26 14:28	06/26/26 07:40	74-87-3	v2
2-Chlorotoluene	**<20.8**	ug/kg	73.1	20.8	1	06/25/26 14:28	06/26/26 07:40	95-49-8	
4-Chlorotoluene	**<21.8**	ug/kg	73.1	21.8	1	06/25/26 14:28	06/26/26 07:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<122**	ug/kg	731	122	1	06/25/26 14:28	06/26/26 07:40	96-12-8	
Dibromochloromethane	**<72.4**	ug/kg	292	72.4	1	06/25/26 14:28	06/26/26 07:40	124-48-1	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP68-1_0-3.5 **Lab ID: 10777060015** Collected: 06/12/26 08:53 Received: 06/15/26 07:56 Matrix: Solid

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

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Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<23.4**	ug/kg	73.1	23.4	1	06/25/26 14:28	06/26/26 07:40	106-93-4	
Dibromomethane	**<29.8**	ug/kg	73.1	29.8	1	06/25/26 14:28	06/26/26 07:40	74-95-3	
1,2-Dichlorobenzene	**<21.3**	ug/kg	73.1	21.3	1	06/25/26 14:28	06/26/26 07:40	95-50-1	
1,3-Dichlorobenzene	**<19.6**	ug/kg	73.1	19.6	1	06/25/26 14:28	06/26/26 07:40	541-73-1	
1,4-Dichlorobenzene	**<19.3**	ug/kg	73.1	19.3	1	06/25/26 14:28	06/26/26 07:40	106-46-7	
Dichlorodifluoromethane	**<39.0**	ug/kg	292	39.0	1	06/25/26 14:28	06/26/26 07:40	75-71-8	
1,1-Dichloroethane	**<20.2**	ug/kg	73.1	20.2	1	06/25/26 14:28	06/26/26 07:40	75-34-3	
1,2-Dichloroethane	**<20.3**	ug/kg	73.1	20.3	1	06/25/26 14:28	06/26/26 07:40	107-06-2	
1,1-Dichloroethene	**<19.4**	ug/kg	73.1	19.4	1	06/25/26 14:28	06/26/26 07:40	75-35-4	
cis-1,2-Dichloroethene	**<22.1**	ug/kg	73.1	22.1	1	06/25/26 14:28	06/26/26 07:40	156-59-2	
trans-1,2-Dichloroethene	**<19.4**	ug/kg	73.1	19.4	1	06/25/26 14:28	06/26/26 07:40	156-60-5	
Dichlorofluoromethane	**<107**	ug/kg	731	107	1	06/25/26 14:28	06/26/26 07:40	75-43-4	
1,2-Dichloropropane	**<22.2**	ug/kg	73.1	22.2	1	06/25/26 14:28	06/26/26 07:40	78-87-5	
1,3-Dichloropropane	**<23.1**	ug/kg	73.1	23.1	1	06/25/26 14:28	06/26/26 07:40	142-28-9	
2,2-Dichloropropane	**<32.0**	ug/kg	292	32.0	1	06/25/26 14:28	06/26/26 07:40	594-20-7	
1,1-Dichloropropene	**<18.7**	ug/kg	73.1	18.7	1	06/25/26 14:28	06/26/26 07:40	563-58-6	
cis-1,3-Dichloropropene	**<24.8**	ug/kg	73.1	24.8	1	06/25/26 14:28	06/26/26 07:40	10061-01-5	
trans-1,3-Dichloropropene	**<22.8**	ug/kg	73.1	22.8	1	06/25/26 14:28	06/26/26 07:40	10061-02-6	
Diethyl ether (Ethyl ether)	**<50.4**	ug/kg	292	50.4	1	06/25/26 14:28	06/26/26 07:40	60-29-7	
Ethylbenzene	**<24.6**	ug/kg	73.1	24.6	1	06/25/26 14:28	06/26/26 07:40	100-41-4	
Hexachloro-1,3-butadiene	**<45.5**	ug/kg	365	45.5	1	06/25/26 14:28	06/26/26 07:40	87-68-3	
Isopropylbenzene (Cumene)	**<18.3**	ug/kg	73.1	18.3	1	06/25/26 14:28	06/26/26 07:40	98-82-8	
p-Isopropyltoluene	**<19.1**	ug/kg	73.1	19.1	1	06/25/26 14:28	06/26/26 07:40	99-87-6	
Methylene Chloride	**<145**	ug/kg	292	145	1	06/25/26 14:28	06/26/26 07:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<141**	ug/kg	365	141	1	06/25/26 14:28	06/26/26 07:40	108-10-1	
Methyl-tert-butyl ether	**<21.3**	ug/kg	73.1	21.3	1	06/25/26 14:28	06/26/26 07:40	1634-04-4	
Naphthalene	**<29.2**	ug/kg	292	29.2	1	06/25/26 14:28	06/26/26 07:40	91-20-3	
n-Propylbenzene	**<18.3**	ug/kg	73.1	18.3	1	06/25/26 14:28	06/26/26 07:40	103-65-1	
Styrene	**<23.5**	ug/kg	73.1	23.5	1	06/25/26 14:28	06/26/26 07:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<24.7**	ug/kg	73.1	24.7	1	06/25/26 14:28	06/26/26 07:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.9**	ug/kg	73.1	18.9	1	06/25/26 14:28	06/26/26 07:40	79-34-5	
Tetrachloroethene	**<25.4**	ug/kg	73.1	25.4	1	06/25/26 14:28	06/26/26 07:40	127-18-4	
Tetrahydrofuran	**<547**	ug/kg	2920	547	1	06/25/26 14:28	06/26/26 07:40	109-99-9	
Toluene	**<29.2**	ug/kg	73.1	29.2	1	06/25/26 14:28	06/26/26 07:40	108-88-3	
1,2,3-Trichlorobenzene	**<22.8**	ug/kg	73.1	22.8	1	06/25/26 14:28	06/26/26 07:40	87-61-6	
1,2,4-Trichlorobenzene	**<23.7**	ug/kg	73.1	23.7	1	06/25/26 14:28	06/26/26 07:40	120-82-1	
1,1,1-Trichloroethane	**<22.9**	ug/kg	73.1	22.9	1	06/25/26 14:28	06/26/26 07:40	71-55-6	
1,1,2-Trichloroethane	**<22.1**	ug/kg	73.1	22.1	1	06/25/26 14:28	06/26/26 07:40	79-00-5	
Trichloroethene	**<19.7**	ug/kg	73.1	19.7	1	06/25/26 14:28	06/26/26 07:40	79-01-6	
Trichlorofluoromethane	**<85.8**	ug/kg	292	85.8	1	06/25/26 14:28	06/26/26 07:40	75-69-4	L2,v2
1,2,3-Trichloropropane	**<25.4**	ug/kg	292	25.4	1	06/25/26 14:28	06/26/26 07:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<29.7**	ug/kg	292	29.7	1	06/25/26 14:28	06/26/26 07:40	76-13-1	
1,2,4-Trimethylbenzene	**<21.2**	ug/kg	73.1	21.2	1	06/25/26 14:28	06/26/26 07:40	95-63-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP68-1_0-3.5 **Lab ID: 10777060015** Collected: 06/12/26 08:53 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<20.5**	ug/kg	73.1	20.5	1	06/25/26 14:28	06/26/26 07:40	108-67-8	
Vinyl chloride	**<13.5**	ug/kg	29.2	13.5	1	06/25/26 14:28	06/26/26 07:40	75-01-4	L2,v2
Xylene (Total)	**<41.5**	ug/kg	219	41.5	1	06/25/26 14:28	06/26/26 07:40	1330-20-7	
m&p-Xylene	**<41.5**	ug/kg	146	41.5	1	06/25/26 14:28	06/26/26 07:40	179601-23-1	
o-Xylene	**<22.8**	ug/kg	73.1	22.8	1	06/25/26 14:28	06/26/26 07:40	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/25/26 14:28	06/26/26 07:40	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/25/26 14:28	06/26/26 07:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/25/26 14:28	06/26/26 07:40	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP69-1_0-3.5 **Lab ID: 10777060016** Collected: 06/12/26 08:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.5**	ug/kg	50.2	12.5	1	06/18/26 15:21	06/19/26 16:07	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.8**	ug/kg	50.2	13.8	1	06/18/26 15:21	06/19/26 16:07	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.2**	ug/kg	50.2	16.2	1	06/18/26 15:21	06/19/26 16:07	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.4**	ug/kg	50.2	18.4	1	06/18/26 15:21	06/19/26 16:07	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.3**	ug/kg	50.2	15.3	1	06/18/26 15:21	06/19/26 16:07	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.0**	ug/kg	50.2	17.0	1	06/18/26 15:21	06/19/26 16:07	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.8**	ug/kg	50.2	14.8	1	06/18/26 15:21	06/19/26 16:07	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	98	%.	30-125		1	06/18/26 15:21	06/19/26 16:07	877-09-8	
Decachlorobiphenyl (S)	105	%.	30-125		1	06/18/26 15:21	06/19/26 16:07	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**31.5**	mg/kg	8.4	2.4	1	06/18/26 12:12	06/24/26 20:42		B,T6
Surrogates									
n-Triacontane (S)	105	%.	50-150		1	06/18/26 12:12	06/24/26 20:42		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.6**	mg/kg	10.6	2.6	1	06/27/26 14:08	06/29/26 05:17		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	87	%.	80-200		1	06/27/26 14:08	06/29/26 05:17	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.8**	mg/kg	0.97	0.16	1	06/24/26 15:09	06/25/26 14:17	7440-38-2	
Barium	**30.6**	mg/kg	0.49	0.073	1	06/24/26 15:09	06/25/26 14:17	7440-39-3	
Cadmium	**<0.034**	mg/kg	0.15	0.034	1	06/24/26 15:09	06/25/26 14:17	7440-43-9	
Chromium	**2.9**	mg/kg	0.49	0.15	1	06/24/26 15:09	06/25/26 14:17	7440-47-3	
Lead	**1.1**	mg/kg	0.49	0.22	1	06/24/26 15:09	06/25/26 14:17	7439-92-1	
Selenium	**<0.43**	mg/kg	0.97	0.43	1	06/24/26 15:09	06/25/26 14:17	7782-49-2	
Silver	**<0.039**	mg/kg	0.49	0.039	1	06/24/26 15:09	06/25/26 14:17	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.020**	mg/kg	0.018	0.0079	1	06/24/26 12:37	06/25/26 22:42	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**3.4**	%	0.10	0.10	1		06/26/26 09:53		N2

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP69-1_0-3.5 **Lab ID: 10777060016** Collected: 06/12/26 08:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.1**	ug/kg	10.3	1.1	1	06/18/26 11:24	06/22/26 18:46	83-32-9	
Acenaphthylene	**<1.8**	ug/kg	10.3	1.8	1	06/18/26 11:24	06/22/26 18:46	208-96-8	
Anthracene	**<1.2**	ug/kg	10.3	1.2	1	06/18/26 11:24	06/22/26 18:46	120-12-7	
Benzo(a)anthracene	**<1.9**	ug/kg	10.3	1.9	1	06/18/26 11:24	06/22/26 18:46	56-55-3	
Benzo(a)pyrene	**<1.7**	ug/kg	10.3	1.7	1	06/18/26 11:24	06/22/26 18:46	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	10.3	2.4	1	06/18/26 11:24	06/22/26 18:46	205-99-2	
Benzo(g,h,i)perylene	**<2.3**	ug/kg	10.3	2.3	1	06/18/26 11:24	06/22/26 18:46	191-24-2	
Benzo(k)fluoranthene	**<1.4**	ug/kg	10.3	1.4	1	06/18/26 11:24	06/22/26 18:46	207-08-9	
Chrysene	**<1.3**	ug/kg	10.3	1.3	1	06/18/26 11:24	06/22/26 18:46	218-01-9	
Dibenz(a,h)anthracene	**<1.5**	ug/kg	10.3	1.5	1	06/18/26 11:24	06/22/26 18:46	53-70-3	
Fluoranthene	**<2.7**	ug/kg	10.3	2.7	1	06/18/26 11:24	06/22/26 18:46	206-44-0	
Fluorene	**<1.2**	ug/kg	10.3	1.2	1	06/18/26 11:24	06/22/26 18:46	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.1**	ug/kg	10.3	2.1	1	06/18/26 11:24	06/22/26 18:46	193-39-5	
Naphthalene	**<3.7**	ug/kg	10.3	3.7	1	06/18/26 11:24	06/22/26 18:46	91-20-3	
Phenanthrene	**<2.3**	ug/kg	10.3	2.3	1	06/18/26 11:24	06/22/26 18:46	85-01-8	
Pyrene	**<2.1**	ug/kg	10.3	2.1	1	06/18/26 11:24	06/22/26 18:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%.	61-125		1	06/18/26 11:24	06/22/26 18:46	321-60-8	
p-Terphenyl-d14 (S)	87	%.	61-125		1	06/18/26 11:24	06/22/26 18:46	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<334**	ug/kg	1040	334	1	06/25/26 14:28	06/26/26 07:57	67-64-1	
Allyl chloride	**<91.9**	ug/kg	208	91.9	1	06/25/26 14:28	06/26/26 07:57	107-05-1	
Benzene	**<7.0**	ug/kg	20.8	7.0	1	06/25/26 14:28	06/26/26 07:57	71-43-2	
Bromobenzene	**<18.0**	ug/kg	52.1	18.0	1	06/25/26 14:28	06/26/26 07:57	108-86-1	
Bromochloromethane	**<16.5**	ug/kg	52.1	16.5	1	06/25/26 14:28	06/26/26 07:57	74-97-5	
Bromodichloromethane	**<21.3**	ug/kg	52.1	21.3	1	06/25/26 14:28	06/26/26 07:57	75-27-4	
Bromoform	**<99.5**	ug/kg	208	99.5	1	06/25/26 14:28	06/26/26 07:57	75-25-2	
Bromomethane	**<181**	ug/kg	521	181	1	06/25/26 14:28	06/26/26 07:57	74-83-9	
2-Butanone (MEK)	**<122**	ug/kg	260	122	1	06/25/26 14:28	06/26/26 07:57	78-93-3	
n-Butylbenzene	**<18.2**	ug/kg	52.1	18.2	1	06/25/26 14:28	06/26/26 07:57	104-51-8	
sec-Butylbenzene	**<13.4**	ug/kg	52.1	13.4	1	06/25/26 14:28	06/26/26 07:57	135-98-8	
tert-Butylbenzene	**<15.3**	ug/kg	52.1	15.3	1	06/25/26 14:28	06/26/26 07:57	98-06-6	
Carbon tetrachloride	**<19.1**	ug/kg	52.1	19.1	1	06/25/26 14:28	06/26/26 07:57	56-23-5	
Chlorobenzene	**<15.2**	ug/kg	52.1	15.2	1	06/25/26 14:28	06/26/26 07:57	108-90-7	
Chloroethane	**<144**	ug/kg	521	144	1	06/25/26 14:28	06/26/26 07:57	75-00-3	
Chloroform	**<20.1**	ug/kg	52.1	20.1	1	06/25/26 14:28	06/26/26 07:57	67-66-3	
Chloromethane	**<32.1**	ug/kg	208	32.1	1	06/25/26 14:28	06/26/26 07:57	74-87-3	v2
2-Chlorotoluene	**<14.8**	ug/kg	52.1	14.8	1	06/25/26 14:28	06/26/26 07:57	95-49-8	
4-Chlorotoluene	**<15.5**	ug/kg	52.1	15.5	1	06/25/26 14:28	06/26/26 07:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<86.8**	ug/kg	521	86.8	1	06/25/26 14:28	06/26/26 07:57	96-12-8	
Dibromochloromethane	**<51.6**	ug/kg	208	51.6	1	06/25/26 14:28	06/26/26 07:57	124-48-1	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP69-1_0-3.5 **Lab ID: 10777060016** Collected: 06/12/26 08:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<16.7**	ug/kg	52.1	16.7	1	06/25/26 14:28	06/26/26 07:57	106-93-4	
Dibromomethane	**<21.3**	ug/kg	52.1	21.3	1	06/25/26 14:28	06/26/26 07:57	74-95-3	
1,2-Dichlorobenzene	**<15.2**	ug/kg	52.1	15.2	1	06/25/26 14:28	06/26/26 07:57	95-50-1	
1,3-Dichlorobenzene	**<14.0**	ug/kg	52.1	14.0	1	06/25/26 14:28	06/26/26 07:57	541-73-1	
1,4-Dichlorobenzene	**<13.8**	ug/kg	52.1	13.8	1	06/25/26 14:28	06/26/26 07:57	106-46-7	
Dichlorodifluoromethane	**<27.8**	ug/kg	208	27.8	1	06/25/26 14:28	06/26/26 07:57	75-71-8	
1,1-Dichloroethane	**<14.4**	ug/kg	52.1	14.4	1	06/25/26 14:28	06/26/26 07:57	75-34-3	
1,2-Dichloroethane	**<14.5**	ug/kg	52.1	14.5	1	06/25/26 14:28	06/26/26 07:57	107-06-2	
1,1-Dichloroethene	**<13.9**	ug/kg	52.1	13.9	1	06/25/26 14:28	06/26/26 07:57	75-35-4	
cis-1,2-Dichloroethene	**<15.7**	ug/kg	52.1	15.7	1	06/25/26 14:28	06/26/26 07:57	156-59-2	
trans-1,2-Dichloroethene	**<13.9**	ug/kg	52.1	13.9	1	06/25/26 14:28	06/26/26 07:57	156-60-5	
Dichlorofluoromethane	**<76.5**	ug/kg	521	76.5	1	06/25/26 14:28	06/26/26 07:57	75-43-4	
1,2-Dichloropropane	**<15.8**	ug/kg	52.1	15.8	1	06/25/26 14:28	06/26/26 07:57	78-87-5	
1,3-Dichloropropane	**<16.5**	ug/kg	52.1	16.5	1	06/25/26 14:28	06/26/26 07:57	142-28-9	
2,2-Dichloropropane	**<22.8**	ug/kg	208	22.8	1	06/25/26 14:28	06/26/26 07:57	594-20-7	
1,1-Dichloropropene	**<13.3**	ug/kg	52.1	13.3	1	06/25/26 14:28	06/26/26 07:57	563-58-6	
cis-1,3-Dichloropropene	**<17.7**	ug/kg	52.1	17.7	1	06/25/26 14:28	06/26/26 07:57	10061-01-5	
trans-1,3-Dichloropropene	**<16.3**	ug/kg	52.1	16.3	1	06/25/26 14:28	06/26/26 07:57	10061-02-6	
Diethyl ether (Ethyl ether)	**<35.9**	ug/kg	208	35.9	1	06/25/26 14:28	06/26/26 07:57	60-29-7	
Ethylbenzene	**<17.5**	ug/kg	52.1	17.5	1	06/25/26 14:28	06/26/26 07:57	100-41-4	
Hexachloro-1,3-butadiene	**<32.4**	ug/kg	260	32.4	1	06/25/26 14:28	06/26/26 07:57	87-68-3	
Isopropylbenzene (Cumene)	**<13.0**	ug/kg	52.1	13.0	1	06/25/26 14:28	06/26/26 07:57	98-82-8	
p-Isopropyltoluene	**<13.6**	ug/kg	52.1	13.6	1	06/25/26 14:28	06/26/26 07:57	99-87-6	
Methylene Chloride	**<103**	ug/kg	208	103	1	06/25/26 14:28	06/26/26 07:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<101**	ug/kg	260	101	1	06/25/26 14:28	06/26/26 07:57	108-10-1	
Methyl-tert-butyl ether	**<15.2**	ug/kg	52.1	15.2	1	06/25/26 14:28	06/26/26 07:57	1634-04-4	
Naphthalene	**<20.8**	ug/kg	208	20.8	1	06/25/26 14:28	06/26/26 07:57	91-20-3	
n-Propylbenzene	**<13.0**	ug/kg	52.1	13.0	1	06/25/26 14:28	06/26/26 07:57	103-65-1	
Styrene	**<16.8**	ug/kg	52.1	16.8	1	06/25/26 14:28	06/26/26 07:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.6**	ug/kg	52.1	17.6	1	06/25/26 14:28	06/26/26 07:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<13.4**	ug/kg	52.1	13.4	1	06/25/26 14:28	06/26/26 07:57	79-34-5	
Tetrachloroethene	**<18.1**	ug/kg	52.1	18.1	1	06/25/26 14:28	06/26/26 07:57	127-18-4	
Tetrahydrofuran	**<390**	ug/kg	2080	390	1	06/25/26 14:28	06/26/26 07:57	109-99-9	
Toluene	**<20.8**	ug/kg	52.1	20.8	1	06/25/26 14:28	06/26/26 07:57	108-88-3	
1,2,3-Trichlorobenzene	**<16.3**	ug/kg	52.1	16.3	1	06/25/26 14:28	06/26/26 07:57	87-61-6	
1,2,4-Trichlorobenzene	**<16.9**	ug/kg	52.1	16.9	1	06/25/26 14:28	06/26/26 07:57	120-82-1	
1,1,1-Trichloroethane	**<16.4**	ug/kg	52.1	16.4	1	06/25/26 14:28	06/26/26 07:57	71-55-6	
1,1,2-Trichloroethane	**<15.7**	ug/kg	52.1	15.7	1	06/25/26 14:28	06/26/26 07:57	79-00-5	
Trichloroethene	**<14.1**	ug/kg	52.1	14.1	1	06/25/26 14:28	06/26/26 07:57	79-01-6	
Trichlorofluoromethane	**<61.1**	ug/kg	208	61.1	1	06/25/26 14:28	06/26/26 07:57	75-69-4	L2,v2
1,2,3-Trichloropropane	**<18.1**	ug/kg	208	18.1	1	06/25/26 14:28	06/26/26 07:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<21.1**	ug/kg	208	21.1	1	06/25/26 14:28	06/26/26 07:57	76-13-1	
1,2,4-Trimethylbenzene	**<15.1**	ug/kg	52.1	15.1	1	06/25/26 14:28	06/26/26 07:57	95-63-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: B-TP69-1_0-3.5 **Lab ID: 10777060016** Collected: 06/12/26 08:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<14.6**	ug/kg	52.1	14.6	1	06/25/26 14:28	06/26/26 07:57	108-67-8	
Vinyl chloride	**<9.6**	ug/kg	20.8	9.6	1	06/25/26 14:28	06/26/26 07:57	75-01-4	L2,v2
Xylene (Total)	**<29.6**	ug/kg	156	29.6	1	06/25/26 14:28	06/26/26 07:57	1330-20-7	
m&p-Xylene	**<29.6**	ug/kg	104	29.6	1	06/25/26 14:28	06/26/26 07:57	179601-23-1	
o-Xylene	**<16.3**	ug/kg	52.1	16.3	1	06/25/26 14:28	06/26/26 07:57	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%.	75-125		1	06/25/26 14:28	06/26/26 07:57	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125		1	06/25/26 14:28	06/26/26 07:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/25/26 14:28	06/26/26 07:57	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: Trip Blank-03 **Lab ID: 10777060017** Collected: 06/11/26 10:35 Received: 06/15/26 07:56 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.4**	mg/kg	10.0	2.4	1	06/27/26 14:08	06/29/26 04:55		
Surrogates									
a,a,a-Trifluorotoluene (S)	88	%.	80-200		1	06/27/26 14:08	06/29/26 04:55	98-08-8	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<321**	ug/kg	1000	321	1	06/25/26 09:21	06/25/26 15:22	67-64-1	
Allyl chloride	**<88.2**	ug/kg	200	88.2	1	06/25/26 09:21	06/25/26 15:22	107-05-1	
Benzene	**<6.7**	ug/kg	20.0	6.7	1	06/25/26 09:21	06/25/26 15:22	71-43-2	
Bromobenzene	**<17.3**	ug/kg	50.0	17.3	1	06/25/26 09:21	06/25/26 15:22	108-86-1	
Bromochloromethane	**<15.8**	ug/kg	50.0	15.8	1	06/25/26 09:21	06/25/26 15:22	74-97-5	
Bromodichloromethane	**<20.4**	ug/kg	50.0	20.4	1	06/25/26 09:21	06/25/26 15:22	75-27-4	
Bromoform	**<95.5**	ug/kg	200	95.5	1	06/25/26 09:21	06/25/26 15:22	75-25-2	
Bromomethane	**<174**	ug/kg	500	174	1	06/25/26 09:21	06/25/26 15:22	74-83-9	
2-Butanone (MEK)	**<117**	ug/kg	250	117	1	06/25/26 09:21	06/25/26 15:22	78-93-3	
n-Butylbenzene	**<17.5**	ug/kg	50.0	17.5	1	06/25/26 09:21	06/25/26 15:22	104-51-8	
sec-Butylbenzene	**<12.9**	ug/kg	50.0	12.9	1	06/25/26 09:21	06/25/26 15:22	135-98-8	
tert-Butylbenzene	**<14.7**	ug/kg	50.0	14.7	1	06/25/26 09:21	06/25/26 15:22	98-06-6	
Carbon tetrachloride	**<18.3**	ug/kg	50.0	18.3	1	06/25/26 09:21	06/25/26 15:22	56-23-5	
Chlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/25/26 09:21	06/25/26 15:22	108-90-7	
Chloroethane	**<138**	ug/kg	500	138	1	06/25/26 09:21	06/25/26 15:22	75-00-3	
Chloroform	**<19.3**	ug/kg	50.0	19.3	1	06/25/26 09:21	06/25/26 15:22	67-66-3	
Chloromethane	**<30.8**	ug/kg	200	30.8	1	06/25/26 09:21	06/25/26 15:22	74-87-3	
2-Chlorotoluene	**<14.2**	ug/kg	50.0	14.2	1	06/25/26 09:21	06/25/26 15:22	95-49-8	
4-Chlorotoluene	**<14.9**	ug/kg	50.0	14.9	1	06/25/26 09:21	06/25/26 15:22	106-43-4	
1,2-Dibromo-3-chloropropane	**<83.3**	ug/kg	500	83.3	1	06/25/26 09:21	06/25/26 15:22	96-12-8	
Dibromochloromethane	**<49.5**	ug/kg	200	49.5	1	06/25/26 09:21	06/25/26 15:22	124-48-1	
1,2-Dibromoethane (EDB)	**<16.0**	ug/kg	50.0	16.0	1	06/25/26 09:21	06/25/26 15:22	106-93-4	
Dibromomethane	**<20.4**	ug/kg	50.0	20.4	1	06/25/26 09:21	06/25/26 15:22	74-95-3	
1,2-Dichlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/25/26 09:21	06/25/26 15:22	95-50-1	
1,3-Dichlorobenzene	**<13.4**	ug/kg	50.0	13.4	1	06/25/26 09:21	06/25/26 15:22	541-73-1	
1,4-Dichlorobenzene	**<13.2**	ug/kg	50.0	13.2	1	06/25/26 09:21	06/25/26 15:22	106-46-7	
Dichlorodifluoromethane	**<26.7**	ug/kg	200	26.7	1	06/25/26 09:21	06/25/26 15:22	75-71-8	
1,1-Dichloroethane	**<13.8**	ug/kg	50.0	13.8	1	06/25/26 09:21	06/25/26 15:22	75-34-3	
1,2-Dichloroethane	**<13.9**	ug/kg	50.0	13.9	1	06/25/26 09:21	06/25/26 15:22	107-06-2	
1,1-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/25/26 09:21	06/25/26 15:22	75-35-4	
cis-1,2-Dichloroethene	**<15.1**	ug/kg	50.0	15.1	1	06/25/26 09:21	06/25/26 15:22	156-59-2	
trans-1,2-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/25/26 09:21	06/25/26 15:22	156-60-5	
Dichlorofluoromethane	**<73.4**	ug/kg	500	73.4	1	06/25/26 09:21	06/25/26 15:22	75-43-4	
1,2-Dichloropropane	**<15.2**	ug/kg	50.0	15.2	1	06/25/26 09:21	06/25/26 15:22	78-87-5	
1,3-Dichloropropane	**<15.8**	ug/kg	50.0	15.8	1	06/25/26 09:21	06/25/26 15:22	142-28-9	
2,2-Dichloropropane	**<21.9**	ug/kg	200	21.9	1	06/25/26 09:21	06/25/26 15:22	594-20-7	
1,1-Dichloropropene	**<12.8**	ug/kg	50.0	12.8	1	06/25/26 09:21	06/25/26 15:22	563-58-6	
cis-1,3-Dichloropropene	**<17.0**	ug/kg	50.0	17.0	1	06/25/26 09:21	06/25/26 15:22	10061-01-5	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Sample: Trip Blank-03 **Lab ID: 10777060017** Collected: 06/11/26 10:35 Received: 06/15/26 07:56 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
trans-1,3-Dichloropropene	**<15.6**	ug/kg	50.0	15.6	1	06/25/26 09:21	06/25/26 15:22	10061-02-6	
Diethyl ether (Ethyl ether)	**<34.5**	ug/kg	200	34.5	1	06/25/26 09:21	06/25/26 15:22	60-29-7	
Ethylbenzene	**<16.8**	ug/kg	50.0	16.8	1	06/25/26 09:21	06/25/26 15:22	100-41-4	
Hexachloro-1,3-butadiene	**<31.1**	ug/kg	250	31.1	1	06/25/26 09:21	06/25/26 15:22	87-68-3	
Isopropylbenzene (Cumene)	**<12.5**	ug/kg	50.0	12.5	1	06/25/26 09:21	06/25/26 15:22	98-82-8	
p-Isopropyltoluene	**<13.1**	ug/kg	50.0	13.1	1	06/25/26 09:21	06/25/26 15:22	99-87-6	
Methylene Chloride	**<99.3**	ug/kg	200	99.3	1	06/25/26 09:21	06/25/26 15:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<96.6**	ug/kg	250	96.6	1	06/25/26 09:21	06/25/26 15:22	108-10-1	
Methyl-tert-butyl ether	**<14.6**	ug/kg	50.0	14.6	1	06/25/26 09:21	06/25/26 15:22	1634-04-4	
Naphthalene	**<20.0**	ug/kg	200	20.0	1	06/25/26 09:21	06/25/26 15:22	91-20-3	
n-Propylbenzene	**<12.5**	ug/kg	50.0	12.5	1	06/25/26 09:21	06/25/26 15:22	103-65-1	
Styrene	**<16.1**	ug/kg	50.0	16.1	1	06/25/26 09:21	06/25/26 15:22	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.9**	ug/kg	50.0	16.9	1	06/25/26 09:21	06/25/26 15:22	630-20-6	
1,1,2,2-Tetrachloroethane	**<12.9**	ug/kg	50.0	12.9	1	06/25/26 09:21	06/25/26 15:22	79-34-5	
Tetrachloroethene	**<17.4**	ug/kg	50.0	17.4	1	06/25/26 09:21	06/25/26 15:22	127-18-4	
Tetrahydrofuran	**<374**	ug/kg	2000	374	1	06/25/26 09:21	06/25/26 15:22	109-99-9	
Toluene	**<20.0**	ug/kg	50.0	20.0	1	06/25/26 09:21	06/25/26 15:22	108-88-3	
1,2,3-Trichlorobenzene	**<15.6**	ug/kg	50.0	15.6	1	06/25/26 09:21	06/25/26 15:22	87-61-6	
1,2,4-Trichlorobenzene	**<16.2**	ug/kg	50.0	16.2	1	06/25/26 09:21	06/25/26 15:22	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	50.0	15.7	1	06/25/26 09:21	06/25/26 15:22	71-55-6	
1,1,2-Trichloroethane	**<15.1**	ug/kg	50.0	15.1	1	06/25/26 09:21	06/25/26 15:22	79-00-5	
Trichloroethene	**<13.5**	ug/kg	50.0	13.5	1	06/25/26 09:21	06/25/26 15:22	79-01-6	
Trichlorofluoromethane	**<58.7**	ug/kg	200	58.7	1	06/25/26 09:21	06/25/26 15:22	75-69-4	
1,2,3-Trichloropropane	**<17.4**	ug/kg	200	17.4	1	06/25/26 09:21	06/25/26 15:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<20.3**	ug/kg	200	20.3	1	06/25/26 09:21	06/25/26 15:22	76-13-1	
1,2,4-Trimethylbenzene	**<14.5**	ug/kg	50.0	14.5	1	06/25/26 09:21	06/25/26 15:22	95-63-6	
1,3,5-Trimethylbenzene	**<14.0**	ug/kg	50.0	14.0	1	06/25/26 09:21	06/25/26 15:22	108-67-8	
Vinyl chloride	**<9.2**	ug/kg	20.0	9.2	1	06/25/26 09:21	06/25/26 15:22	75-01-4	L2,v2
Xylene (Total)	**<28.4**	ug/kg	150	28.4	1	06/25/26 09:21	06/25/26 15:22	1330-20-7	
m&p-Xylene	**<28.4**	ug/kg	100	28.4	1	06/25/26 09:21	06/25/26 15:22	179601-23-1	
o-Xylene	**<15.6**	ug/kg	50.0	15.6	1	06/25/26 09:21	06/25/26 15:22	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/25/26 09:21	06/25/26 15:22	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/25/26 09:21	06/25/26 15:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/25/26 09:21	06/25/26 15:22	2199-69-1	

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1700 Elm Street
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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1072633
QC Batch Method: EPA 5030 Medium Soil
Analysis Method: WI MOD GRO
Analysis Description: WIGRO Solid GCV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060001, 10777060002, 10777060004, 10777060006, 10777060007, 10777060009, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016, 10777060017

METHOD BLANK: 5574817
Matrix: Solid

Associated Lab Samples: 10777060001, 10777060002, 10777060004, 10777060006, 10777060007, 10777060009, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016, 10777060017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.4	10.0	2.4	06/29/26 03:28	
a,a,a-Trifluorotoluene (S)	%.	89	80-200		06/29/26 03:28	

LABORATORY CONTROL SAMPLE & LCSD: 5574818 5574819

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	52.6	52.5	105	105	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%.				93	95	80-200			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1071777
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060001, 10777060003, 10777060005, 10777060006, 10777060007, 10777060008, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

METHOD BLANK: 5569967
Matrix: Solid

Associated Lab Samples: 10777060001, 10777060003, 10777060005, 10777060006, 10777060007, 10777060008, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.0078	0.018	0.0078	06/25/26 22:13	

LABORATORY CONTROL SAMPLE: 5569968

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.43	0.46	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5569969 5569970

Parameter	Units	10777060001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.085	0.5	0.5	0.57	0.62	98	108	80-120	8	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1076716
QC Batch Method: EPA 3015A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET ICP, TCLP MICRO
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060006, 10777060007, 10777060010, 10777060011

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METHOD BLANK: 5594853 Matrix: Water

Associated Lab Samples: 10777060006, 10777060007, 10777060010, 10777060011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/L	<0.010	0.10	0.010	07/22/26 13:30	

LABORATORY CONTROL SAMPLE: 5594854

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5594855 5594856

Parameter	Units	10781311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Lead	mg/L	ND	5	5	5.1	5.1	101	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1071776
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060001, 10777060003, 10777060005, 10777060006, 10777060007, 10777060008, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

METHOD BLANK: 5569963 Matrix: Solid

Associated Lab Samples: 10777060001, 10777060003, 10777060005, 10777060006, 10777060007, 10777060008, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.15	0.93	0.15	06/25/26 13:38	
Barium	mg/kg	<0.070	0.47	0.070	06/25/26 13:38	
Cadmium	mg/kg	<0.033	0.14	0.033	06/25/26 13:38	
Chromium	mg/kg	<0.14	0.47	0.14	06/25/26 13:38	
Lead	mg/kg	<0.21	0.47	0.21	06/25/26 13:38	
Selenium	mg/kg	<0.41	0.93	0.41	06/25/26 13:38	
Silver	mg/kg	<0.037	0.47	0.037	06/25/26 13:38	

LABORATORY CONTROL SAMPLE: 5569964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	47.3	45.8	97	80-120	
Barium	mg/kg	47.3	47.5	100	80-120	
Cadmium	mg/kg	47.3	45.3	96	80-120	
Chromium	mg/kg	47.3	46.9	99	80-120	
Lead	mg/kg	47.3	45.2	96	80-120	
Selenium	mg/kg	47.3	43.6	92	80-120	
Silver	mg/kg	23.7	22.5	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5569965 5569966

Parameter	Units	10777060001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	3.7	51.6	51	48.8	47.9	87	87	75-125	2	20	
Barium	mg/kg	57.3	51.6	51	93.4	89.9	70	64	75-125	4	20	M1
Cadmium	mg/kg	0.15J	51.6	51	45.2	44.3	87	86	75-125	2	20	
Chromium	mg/kg	16.3	51.6	51	63.7	61.8	92	89	75-125	3	20	
Lead	mg/kg	65.3	51.6	51	94.8	91.0	57	50	75-125	4	20	M1
Selenium	mg/kg	<0.47	51.6	51	42.9	43.0	83	84	75-125	0	20	
Silver	mg/kg	<0.043	25.8	25.5	23.3	22.9	90	90	75-125	2	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch	1072259	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight / %M by ASTM D2974
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060001, 10777060002, 10777060003, 10777060004, 10777060005, 10777060006, 10777060007, 10777060008, 10777060009, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

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SAMPLE DUPLICATE: 5572340

Parameter	Units	10777060001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.2	11.1	8	30	N2

SAMPLE DUPLICATE: 5573603

Parameter	Units	10777060012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.4	14.7	2	30	N2

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch	1072227	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260D MSV 5030 Med Level
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060001, 10777060002, 10777060004, 10777060006, 10777060007, 10777060009, 10777060010, 10777060011, 10777060017

METHOD BLANK: 5572179 Matrix: Solid

Associated Lab Samples: 10777060001, 10777060002, 10777060004, 10777060006, 10777060007, 10777060009, 10777060010, 10777060011, 10777060017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<16.9	50.0	16.9	06/25/26 15:05	
1,1,1-Trichloroethane	ug/kg	<15.7	50.0	15.7	06/25/26 15:05	
1,1,2,2-Tetrachloroethane	ug/kg	<12.9	50.0	12.9	06/25/26 15:05	
1,1,2-Trichloroethane	ug/kg	<15.1	50.0	15.1	06/25/26 15:05	
1,1,2-Trichlorotrifluoroethane	ug/kg	<20.3	200	20.3	06/25/26 15:05	
1,1-Dichloroethane	ug/kg	<13.8	50.0	13.8	06/25/26 15:05	
1,1-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/25/26 15:05	
1,1-Dichloropropene	ug/kg	<12.8	50.0	12.8	06/25/26 15:05	
1,2,3-Trichlorobenzene	ug/kg	<15.6	50.0	15.6	06/25/26 15:05	
1,2,3-Trichloropropane	ug/kg	<17.4	200	17.4	06/25/26 15:05	
1,2,4-Trichlorobenzene	ug/kg	<16.2	50.0	16.2	06/25/26 15:05	
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/25/26 15:05	
1,2-Dibromo-3-chloropropane	ug/kg	<83.3	500	83.3	06/25/26 15:05	
1,2-Dibromoethane (EDB)	ug/kg	<16.0	50.0	16.0	06/25/26 15:05	
1,2-Dichlorobenzene	ug/kg	<14.6	50.0	14.6	06/25/26 15:05	
1,2-Dichloroethane	ug/kg	<13.9	50.0	13.9	06/25/26 15:05	
1,2-Dichloropropane	ug/kg	<15.2	50.0	15.2	06/25/26 15:05	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/25/26 15:05	
1,3-Dichlorobenzene	ug/kg	<13.4	50.0	13.4	06/25/26 15:05	
1,3-Dichloropropane	ug/kg	<15.8	50.0	15.8	06/25/26 15:05	
1,4-Dichlorobenzene	ug/kg	<13.2	50.0	13.2	06/25/26 15:05	
2,2-Dichloropropane	ug/kg	<21.9	200	21.9	06/25/26 15:05	
2-Butanone (MEK)	ug/kg	<117	250	117	06/25/26 15:05	
2-Chlorotoluene	ug/kg	<14.2	50.0	14.2	06/25/26 15:05	
4-Chlorotoluene	ug/kg	<14.9	50.0	14.9	06/25/26 15:05	
4-Methyl-2-pentanone (MIBK)	ug/kg	<96.6	250	96.6	06/25/26 15:05	
Acetone	ug/kg	<321	1000	321	06/25/26 15:05	
Allyl chloride	ug/kg	<88.2	200	88.2	06/25/26 15:05	
Benzene	ug/kg	<6.7	20.0	6.7	06/25/26 15:05	
Bromobenzene	ug/kg	<17.3	50.0	17.3	06/25/26 15:05	
Bromochloromethane	ug/kg	<15.8	50.0	15.8	06/25/26 15:05	
Bromodichloromethane	ug/kg	<20.4	50.0	20.4	06/25/26 15:05	
Bromoform	ug/kg	<95.5	200	95.5	06/25/26 15:05	
Bromomethane	ug/kg	<174	500	174	06/25/26 15:05	
Carbon tetrachloride	ug/kg	<18.3	50.0	18.3	06/25/26 15:05	
Chlorobenzene	ug/kg	<14.6	50.0	14.6	06/25/26 15:05	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

METHOD BLANK: 5572179 Matrix: Solid

Associated Lab Samples: 10777060001, 10777060002, 10777060004, 10777060006, 10777060007, 10777060009, 10777060010, 10777060011, 10777060017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroethane	ug/kg	<138	500	138	06/25/26 15:05	
Chloroform	ug/kg	<19.3	50.0	19.3	06/25/26 15:05	
Chloromethane	ug/kg	<30.8	200	30.8	06/25/26 15:05	
cis-1,2-Dichloroethene	ug/kg	<15.1	50.0	15.1	06/25/26 15:05	
cis-1,3-Dichloropropene	ug/kg	<17.0	50.0	17.0	06/25/26 15:05	
Dibromochloromethane	ug/kg	<49.5	200	49.5	06/25/26 15:05	
Dibromomethane	ug/kg	<20.4	50.0	20.4	06/25/26 15:05	
Dichlorodifluoromethane	ug/kg	<26.7	200	26.7	06/25/26 15:05	
Dichlorofluoromethane	ug/kg	<73.4	500	73.4	06/25/26 15:05	
Diethyl ether (Ethyl ether)	ug/kg	<34.5	200	34.5	06/25/26 15:05	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/25/26 15:05	
Hexachloro-1,3-butadiene	ug/kg	<31.1	250	31.1	06/25/26 15:05	
Isopropylbenzene (Cumene)	ug/kg	<12.5	50.0	12.5	06/25/26 15:05	
m&p-Xylene	ug/kg	<28.4	100	28.4	06/25/26 15:05	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/25/26 15:05	
Methylene Chloride	ug/kg	<99.3	200	99.3	06/25/26 15:05	
n-Butylbenzene	ug/kg	<17.5	50.0	17.5	06/25/26 15:05	
n-Propylbenzene	ug/kg	<12.5	50.0	12.5	06/25/26 15:05	
Naphthalene	ug/kg	<20.0	200	20.0	06/25/26 15:05	
o-Xylene	ug/kg	<15.6	50.0	15.6	06/25/26 15:05	
p-Isopropyltoluene	ug/kg	<13.1	50.0	13.1	06/25/26 15:05	
sec-Butylbenzene	ug/kg	<12.9	50.0	12.9	06/25/26 15:05	
Styrene	ug/kg	<16.1	50.0	16.1	06/25/26 15:05	
tert-Butylbenzene	ug/kg	<14.7	50.0	14.7	06/25/26 15:05	
Tetrachloroethene	ug/kg	<17.4	50.0	17.4	06/25/26 15:05	
Tetrahydrofuran	ug/kg	<374	2000	374	06/25/26 15:05	
Toluene	ug/kg	<20.0	50.0	20.0	06/25/26 15:05	
trans-1,2-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/25/26 15:05	
trans-1,3-Dichloropropene	ug/kg	<15.6	50.0	15.6	06/25/26 15:05	
Trichloroethene	ug/kg	<13.5	50.0	13.5	06/25/26 15:05	
Trichlorofluoromethane	ug/kg	<58.7	200	58.7	06/25/26 15:05	
Vinyl chloride	ug/kg	<9.2	20.0	9.2	06/25/26 15:05	v2
Xylene (Total)	ug/kg	<28.4	150	28.4	06/25/26 15:05	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		06/25/26 15:05	
4-Bromofluorobenzene (S)	%.	102	75-125		06/25/26 15:05	
Toluene-d8 (S)	%.	105	75-125		06/25/26 15:05	

LABORATORY CONTROL SAMPLE & LCSD: 5572180 5572181

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1010	1020	101	102	69-133	1	20	
1,1,1-Trichloroethane	ug/kg	1000	1090	1070	109	107	75-135	2	20	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

LABORATORY CONTROL SAMPLE & LCSD:		5572180		5572181						
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2,2-Tetrachloroethane	ug/kg	1000	881	899	88	90	67-125	2	20	
1,1,2-Trichloroethane	ug/kg	1000	991	980	99	98	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1090	1050	109	105	73-140	3	20	
1,1-Dichloroethane	ug/kg	1000	1080	1030	108	103	75-129	5	20	
1,1-Dichloroethene	ug/kg	1000	1040	1050	104	105	75-129	2	20	
1,1-Dichloropropene	ug/kg	1000	1120	1090	112	109	75-131	3	20	
1,2,3-Trichlorobenzene	ug/kg	1000	831	863	83	86	73-128	4	20	
1,2,3-Trichloropropane	ug/kg	1000	978	997	98	100	75-125	2	20	
1,2,4-Trichlorobenzene	ug/kg	1000	906	927	91	93	74-128	2	20	
1,2,4-Trimethylbenzene	ug/kg	1000	972	956	97	96	75-125	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	860	927	86	93	62-128	7	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	978	961	98	96	75-125	2	20	
1,2-Dichlorobenzene	ug/kg	1000	964	948	96	95	72-125	2	20	
1,2-Dichloroethane	ug/kg	1000	1060	1030	106	103	75-133	3	20	
1,2-Dichloropropane	ug/kg	1000	1090	1020	109	102	75-132	7	20	
1,3,5-Trimethylbenzene	ug/kg	1000	946	947	95	95	75-125	0	20	
1,3-Dichlorobenzene	ug/kg	1000	986	960	99	96	75-125	3	20	
1,3-Dichloropropane	ug/kg	1000	980	975	98	98	75-125	0	20	
1,4-Dichlorobenzene	ug/kg	1000	956	967	96	97	75-125	1	20	
2,2-Dichloropropane	ug/kg	1000	1190	1140	119	114	66-134	4	20	
2-Butanone (MEK)	ug/kg	5000	5500	4850	110	97	65-138	12	20	
2-Chlorotoluene	ug/kg	1000	996	958	100	96	75-125	4	20	
4-Chlorotoluene	ug/kg	1000	946	943	95	94	75-128	0	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	4890	4570	98	91	75-130	7	20	
Acetone	ug/kg	5000	5470	5070	109	101	68-136	8	20	
Allyl chloride	ug/kg	1000	1050	1020	105	102	75-130	3	20	
Benzene	ug/kg	1000	1070	1040	107	104	75-133	3	20	
Bromobenzene	ug/kg	1000	969	929	97	93	75-125	4	20	
Bromochloromethane	ug/kg	1000	1110	1050	111	105	75-131	5	20	
Bromodichloromethane	ug/kg	1000	984	973	98	97	72-137	1	20	
Bromoform	ug/kg	1000	917	925	92	92	65-130	1	20	
Bromomethane	ug/kg	1000	1150	1090	115	109	48-150	5	20	
Carbon tetrachloride	ug/kg	1000	1050	1020	105	102	68-141	3	20	
Chlorobenzene	ug/kg	1000	1030	993	103	99	75-125	3	20	
Chloroethane	ug/kg	1000	1080	941	108	94	53-150	14	20	
Chloroform	ug/kg	1000	1110	1070	111	107	75-131	4	20	
Chloromethane	ug/kg	1000	999	932	100	93	72-137	7	20	
cis-1,2-Dichloroethene	ug/kg	1000	1080	1030	108	103	75-128	4	20	
cis-1,3-Dichloropropene	ug/kg	1000	1110	1070	111	107	75-127	4	20	
Dibromochloromethane	ug/kg	1000	935	924	93	92	59-135	1	20	
Dibromomethane	ug/kg	1000	1100	1060	110	106	75-128	4	20	
Dichlorodifluoromethane	ug/kg	1000	1110	998	111	100	63-150	11	20	
Dichlorofluoromethane	ug/kg	1000	1030	894	103	89	72-136	14	20	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

LABORATORY CONTROL SAMPLE & LCSD:		5572180		5572181						
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diethyl ether (Ethyl ether)	ug/kg	1000	1020	1000	102	100	75-131	2	20	
Ethylbenzene	ug/kg	1000	1020	988	102	99	75-125	3	20	
Hexachloro-1,3-butadiene	ug/kg	1000	1020	952	102	95	66-134	7	20	
Isopropylbenzene (Cumene)	ug/kg	1000	990	984	99	98	75-125	1	20	
m&p-Xylene	ug/kg	2000	2010	1990	100	99	75-125	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1050	1040	105	104	75-133	1	20	
Methylene Chloride	ug/kg	1000	985	974	98	97	75-125	1	20	
n-Butylbenzene	ug/kg	1000	901	902	90	90	71-127	0	20	
n-Propylbenzene	ug/kg	1000	961	954	96	95	75-125	1	20	
Naphthalene	ug/kg	1000	903	931	90	93	75-125	3	20	
o-Xylene	ug/kg	1000	1010	973	101	97	75-125	4	20	
p-Isopropyltoluene	ug/kg	1000	956	972	96	97	75-125	2	20	
sec-Butylbenzene	ug/kg	1000	960	948	96	95	75-125	1	20	
Styrene	ug/kg	1000	1050	1010	105	101	75-125	4	20	
tert-Butylbenzene	ug/kg	1000	979	959	98	96	75-126	2	20	
Tetrachloroethene	ug/kg	1000	981	977	98	98	75-126	0	20	
Tetrahydrofuran	ug/kg	5000	5430	4920	109	98	71-135	10	20	
Toluene	ug/kg	1000	1060	1030	106	103	75-125	3	20	
trans-1,2-Dichloroethene	ug/kg	1000	1060	1020	106	102	75-130	4	20	
trans-1,3-Dichloropropene	ug/kg	1000	979	979	98	98	73-125	0	20	
Trichloroethene	ug/kg	1000	1080	1040	108	104	73-146	4	20	
Trichlorofluoromethane	ug/kg	1000	1040	915	104	91	66-149	13	20	
Vinyl chloride	ug/kg	1000	765	628	76	63	75-138	20	20	L2,v2
Xylene (Total)	ug/kg	3000	3020	2960	101	99	75-125	2	20	
1,2-Dichlorobenzene-d4 (S)	%.				101	101	75-125			
4-Bromofluorobenzene (S)	%.				101	101	75-125			
Toluene-d8 (S)	%.				104	103	75-125			

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1700 Elm Street
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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1072342
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 5030 Med Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

METHOD BLANK: 5572861 Matrix: Solid

Associated Lab Samples: 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<16.9	50.0	16.9	06/26/26 04:22	
1,1,1-Trichloroethane	ug/kg	<15.7	50.0	15.7	06/26/26 04:22	
1,1,2,2-Tetrachloroethane	ug/kg	<12.9	50.0	12.9	06/26/26 04:22	
1,1,2-Trichloroethane	ug/kg	<15.1	50.0	15.1	06/26/26 04:22	
1,1,2-Trichlorotrifluoroethane	ug/kg	<20.3	200	20.3	06/26/26 04:22	
1,1-Dichloroethane	ug/kg	<13.8	50.0	13.8	06/26/26 04:22	
1,1-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/26/26 04:22	
1,1-Dichloropropene	ug/kg	<12.8	50.0	12.8	06/26/26 04:22	
1,2,3-Trichlorobenzene	ug/kg	<15.6	50.0	15.6	06/26/26 04:22	
1,2,3-Trichloropropane	ug/kg	<17.4	200	17.4	06/26/26 04:22	
1,2,4-Trichlorobenzene	ug/kg	<16.2	50.0	16.2	06/26/26 04:22	
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/26/26 04:22	
1,2-Dibromo-3-chloropropane	ug/kg	<83.3	500	83.3	06/26/26 04:22	
1,2-Dibromoethane (EDB)	ug/kg	<16.0	50.0	16.0	06/26/26 04:22	
1,2-Dichlorobenzene	ug/kg	<14.6	50.0	14.6	06/26/26 04:22	
1,2-Dichloroethane	ug/kg	<13.9	50.0	13.9	06/26/26 04:22	
1,2-Dichloropropane	ug/kg	<15.2	50.0	15.2	06/26/26 04:22	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/26/26 04:22	
1,3-Dichlorobenzene	ug/kg	<13.4	50.0	13.4	06/26/26 04:22	
1,3-Dichloropropane	ug/kg	<15.8	50.0	15.8	06/26/26 04:22	
1,4-Dichlorobenzene	ug/kg	<13.2	50.0	13.2	06/26/26 04:22	
2,2-Dichloropropane	ug/kg	<21.9	200	21.9	06/26/26 04:22	
2-Butanone (MEK)	ug/kg	<117	250	117	06/26/26 04:22	
2-Chlorotoluene	ug/kg	<14.2	50.0	14.2	06/26/26 04:22	
4-Chlorotoluene	ug/kg	<14.9	50.0	14.9	06/26/26 04:22	
4-Methyl-2-pentanone (MIBK)	ug/kg	<96.6	250	96.6	06/26/26 04:22	
Acetone	ug/kg	<321	1000	321	06/26/26 04:22	
Allyl chloride	ug/kg	<88.2	200	88.2	06/26/26 04:22	
Benzene	ug/kg	<6.7	20.0	6.7	06/26/26 04:22	
Bromobenzene	ug/kg	<17.3	50.0	17.3	06/26/26 04:22	
Bromochloromethane	ug/kg	<15.8	50.0	15.8	06/26/26 04:22	
Bromodichloromethane	ug/kg	<20.4	50.0	20.4	06/26/26 04:22	
Bromoform	ug/kg	<95.5	200	95.5	06/26/26 04:22	
Bromomethane	ug/kg	<174	500	174	06/26/26 04:22	
Carbon tetrachloride	ug/kg	<18.3	50.0	18.3	06/26/26 04:22	
Chlorobenzene	ug/kg	<14.6	50.0	14.6	06/26/26 04:22	
Chloroethane	ug/kg	<138	500	138	06/26/26 04:22	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

METHOD BLANK: 5572861 Matrix: Solid

Associated Lab Samples: 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	ug/kg	<19.3	50.0	19.3	06/26/26 04:22	
Chloromethane	ug/kg	<30.8	200	30.8	06/26/26 04:22	v2
cis-1,2-Dichloroethene	ug/kg	<15.1	50.0	15.1	06/26/26 04:22	
cis-1,3-Dichloropropene	ug/kg	<17.0	50.0	17.0	06/26/26 04:22	
Dibromochloromethane	ug/kg	<49.5	200	49.5	06/26/26 04:22	
Dibromomethane	ug/kg	<20.4	50.0	20.4	06/26/26 04:22	
Dichlorodifluoromethane	ug/kg	<26.7	200	26.7	06/26/26 04:22	
Dichlorofluoromethane	ug/kg	<73.4	500	73.4	06/26/26 04:22	
Diethyl ether (Ethyl ether)	ug/kg	<34.5	200	34.5	06/26/26 04:22	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/26/26 04:22	
Hexachloro-1,3-butadiene	ug/kg	<31.1	250	31.1	06/26/26 04:22	
Isopropylbenzene (Cumene)	ug/kg	<12.5	50.0	12.5	06/26/26 04:22	
m&p-Xylene	ug/kg	<28.4	100	28.4	06/26/26 04:22	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/26/26 04:22	
Methylene Chloride	ug/kg	<99.3	200	99.3	06/26/26 04:22	
n-Butylbenzene	ug/kg	<17.5	50.0	17.5	06/26/26 04:22	
n-Propylbenzene	ug/kg	<12.5	50.0	12.5	06/26/26 04:22	
Naphthalene	ug/kg	<20.0	200	20.0	06/26/26 04:22	
o-Xylene	ug/kg	<15.6	50.0	15.6	06/26/26 04:22	
p-Isopropyltoluene	ug/kg	<13.1	50.0	13.1	06/26/26 04:22	
sec-Butylbenzene	ug/kg	<12.9	50.0	12.9	06/26/26 04:22	
Styrene	ug/kg	<16.1	50.0	16.1	06/26/26 04:22	
tert-Butylbenzene	ug/kg	<14.7	50.0	14.7	06/26/26 04:22	
Tetrachloroethene	ug/kg	<17.4	50.0	17.4	06/26/26 04:22	
Tetrahydrofuran	ug/kg	<374	2000	374	06/26/26 04:22	
Toluene	ug/kg	<20.0	50.0	20.0	06/26/26 04:22	
trans-1,2-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/26/26 04:22	
trans-1,3-Dichloropropene	ug/kg	<15.6	50.0	15.6	06/26/26 04:22	
Trichloroethene	ug/kg	<13.5	50.0	13.5	06/26/26 04:22	
Trichlorofluoromethane	ug/kg	<58.7	200	58.7	06/26/26 04:22	v2
Vinyl chloride	ug/kg	<9.2	20.0	9.2	06/26/26 04:22	v2
Xylene (Total)	ug/kg	<28.4	150	28.4	06/26/26 04:22	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		06/26/26 04:22	
4-Bromofluorobenzene (S)	%.	103	75-125		06/26/26 04:22	
Toluene-d8 (S)	%.	104	75-125		06/26/26 04:22	

LABORATORY CONTROL SAMPLE & LCSD: 5572862 5572863

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1010	988	101	99	69-133	2	20	
1,1,1-Trichloroethane	ug/kg	1000	1120	1110	112	111	75-135	0	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	890	890	89	89	67-125	0	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

LABORATORY CONTROL SAMPLE & LCSD:		5572862			5572863					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/kg	1000	987	934	99	93	75-125	5	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1120	1100	112	110	73-140	2	20	
1,1-Dichloroethane	ug/kg	1000	1090	1070	109	107	75-129	2	20	
1,1-Dichloroethene	ug/kg	1000	1120	1110	112	111	75-129	1	20	
1,1-Dichloropropene	ug/kg	1000	1110	1060	111	106	75-131	5	20	
1,2,3-Trichlorobenzene	ug/kg	1000	944	907	94	91	73-128	4	20	
1,2,3-Trichloropropane	ug/kg	1000	939	972	94	97	75-125	3	20	
1,2,4-Trichlorobenzene	ug/kg	1000	992	973	99	97	74-128	2	20	
1,2,4-Trimethylbenzene	ug/kg	1000	984	967	98	97	75-125	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	862	870	86	87	62-128	1	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	927	924	93	92	75-125	0	20	
1,2-Dichlorobenzene	ug/kg	1000	983	975	98	98	72-125	1	20	
1,2-Dichloroethane	ug/kg	1000	1060	1050	106	105	75-133	1	20	
1,2-Dichloropropane	ug/kg	1000	1070	1050	107	105	75-132	2	20	
1,3,5-Trimethylbenzene	ug/kg	1000	972	957	97	96	75-125	2	20	
1,3-Dichlorobenzene	ug/kg	1000	995	993	100	99	75-125	0	20	
1,3-Dichloropropane	ug/kg	1000	960	946	96	95	75-125	2	20	
1,4-Dichlorobenzene	ug/kg	1000	974	962	97	96	75-125	1	20	
2,2-Dichloropropane	ug/kg	1000	924	904	92	90	66-134	2	20	
2-Butanone (MEK)	ug/kg	5000	4930	4970	99	99	65-138	1	20	
2-Chlorotoluene	ug/kg	1000	991	945	99	94	75-125	5	20	
4-Chlorotoluene	ug/kg	1000	956	940	96	94	75-128	2	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	4610	4430	92	89	75-130	4	20	
Acetone	ug/kg	5000	5260	5210	105	104	68-136	1	20	
Allyl chloride	ug/kg	1000	1040	1060	104	106	75-130	2	20	
Benzene	ug/kg	1000	1070	1050	107	105	75-133	2	20	
Bromobenzene	ug/kg	1000	966	947	97	95	75-125	2	20	
Bromochloromethane	ug/kg	1000	1110	1120	111	112	75-131	1	20	
Bromodichloromethane	ug/kg	1000	965	961	97	96	72-137	0	20	
Bromoform	ug/kg	1000	955	911	96	91	65-130	5	20	
Bromomethane	ug/kg	1000	1080	1040	108	104	48-150	4	20	
Carbon tetrachloride	ug/kg	1000	1050	1030	105	103	68-141	2	20	
Chlorobenzene	ug/kg	1000	991	985	99	98	75-125	1	20	
Chloroethane	ug/kg	1000	983	1030	98	103	53-150	4	20	
Chloroform	ug/kg	1000	1100	1100	110	110	75-131	0	20	
Chloromethane	ug/kg	1000	779	760	78	76	72-137	2	20	v2
cis-1,2-Dichloroethene	ug/kg	1000	1100	1060	110	106	75-128	4	20	
cis-1,3-Dichloropropene	ug/kg	1000	1040	1040	104	104	75-127	0	20	
Dibromochloromethane	ug/kg	1000	902	910	90	91	59-135	1	20	
Dibromomethane	ug/kg	1000	1100	1080	110	108	75-128	2	20	
Dichlorodifluoromethane	ug/kg	1000	1030	968	103	97	63-150	6	20	
Dichlorofluoromethane	ug/kg	1000	893	900	89	90	72-136	1	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	1030	1070	103	107	75-131	4	20	

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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

LABORATORY CONTROL SAMPLE & LCSD:		5572862			5572863					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/kg	1000	1000	984	100	98	75-125	2	20	
Hexachloro-1,3-butadiene	ug/kg	1000	938	904	94	90	66-134	4	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1020	991	102	99	75-125	3	20	
m&p-Xylene	ug/kg	2000	2010	1970	101	99	75-125	2	20	
Methyl-tert-butyl ether	ug/kg	1000	1060	1060	106	106	75-133	1	20	
Methylene Chloride	ug/kg	1000	1010	1010	101	101	75-125	0	20	
n-Butylbenzene	ug/kg	1000	902	888	90	89	71-127	2	20	
n-Propylbenzene	ug/kg	1000	983	945	98	95	75-125	4	20	
Naphthalene	ug/kg	1000	972	955	97	96	75-125	2	20	
o-Xylene	ug/kg	1000	1040	1000	104	100	75-125	4	20	
p-Isopropyltoluene	ug/kg	1000	980	968	98	97	75-125	1	20	
sec-Butylbenzene	ug/kg	1000	988	965	99	96	75-125	2	20	
Styrene	ug/kg	1000	1020	995	102	99	75-125	3	20	
tert-Butylbenzene	ug/kg	1000	995	978	100	98	75-126	2	20	
Tetrachloroethene	ug/kg	1000	994	971	99	97	75-126	2	20	
Tetrahydrofuran	ug/kg	5000	5120	5050	102	101	71-135	1	20	
Toluene	ug/kg	1000	1080	1060	108	106	75-125	2	20	
trans-1,2-Dichloroethene	ug/kg	1000	1060	1020	106	102	75-130	3	20	
trans-1,3-Dichloropropene	ug/kg	1000	892	907	89	91	73-125	2	20	
Trichloroethene	ug/kg	1000	1090	1070	109	107	73-146	1	20	
Trichlorofluoromethane	ug/kg	1000	745	643	74	64	66-149	15	20	L2,v2
Vinyl chloride	ug/kg	1000	698	691	70	69	75-138	1	20	L2,v2
Xylene (Total)	ug/kg	3000	3060	2970	102	99	75-125	3	20	
1,2-Dichlorobenzene-d4 (S)	%.				100	99	75-125			
4-Bromofluorobenzene (S)	%.				101	100	75-125			
Toluene-d8 (S)	%.				104	105	75-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1070940
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060001, 10777060003, 10777060005, 10777060006, 10777060007

METHOD BLANK: 5565615 Matrix: Solid

Associated Lab Samples: 10777060001, 10777060003, 10777060005, 10777060006, 10777060007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.4	50.0	12.4	06/19/26 17:44	
PCB-1221 (Aroclor 1221)	ug/kg	<13.7	50.0	13.7	06/19/26 17:44	
PCB-1232 (Aroclor 1232)	ug/kg	<16.1	50.0	16.1	06/19/26 17:44	
PCB-1242 (Aroclor 1242)	ug/kg	<18.3	50.0	18.3	06/19/26 17:44	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	15.2	06/19/26 17:44	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9	50.0	16.9	06/19/26 17:44	
PCB-1260 (Aroclor 1260)	ug/kg	<14.7	50.0	14.7	06/19/26 17:44	
Decachlorobiphenyl (S)	%.	98	30-125		06/19/26 17:44	
Tetrachloro-m-xylene (S)	%.	97	30-125		06/19/26 17:44	

LABORATORY CONTROL SAMPLE: 5565616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	1010	101	69-125	
PCB-1260 (Aroclor 1260)	ug/kg	1000	1030	103	69-125	
Decachlorobiphenyl (S)	%.			102	30-125	
Tetrachloro-m-xylene (S)	%.			100	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565617 5565618

Parameter	Units	10777128007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	1020	1020	995	945	98	93	33-128	5	30	
PCB-1260 (Aroclor 1260)	ug/kg	ND	1020	1020	1010	966	100	95	30-131	5	30	
Decachlorobiphenyl (S)	%.						95	92	30-125			
Tetrachloro-m-xylene (S)	%.						94	90	30-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1071000
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060008, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

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METHOD BLANK: 5565910 Matrix: Solid

Associated Lab Samples: 10777060008, 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.4	50.0	12.4	06/19/26 11:18	
PCB-1221 (Aroclor 1221)	ug/kg	<13.7	50.0	13.7	06/19/26 11:18	
PCB-1232 (Aroclor 1232)	ug/kg	<16.1	50.0	16.1	06/19/26 11:18	
PCB-1242 (Aroclor 1242)	ug/kg	<18.3	50.0	18.3	06/19/26 11:18	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	15.2	06/19/26 11:18	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9	50.0	16.9	06/19/26 11:18	
PCB-1260 (Aroclor 1260)	ug/kg	<14.7	50.0	14.7	06/19/26 11:18	
Decachlorobiphenyl (S)	%.	101	30-125		06/19/26 11:18	
Tetrachloro-m-xylene (S)	%.	97	30-125		06/19/26 11:18	

LABORATORY CONTROL SAMPLE: 5565911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	1150	115	69-125	
PCB-1260 (Aroclor 1260)	ug/kg	1000	1170	117	69-125	
Decachlorobiphenyl (S)	%.			118	30-125	
Tetrachloro-m-xylene (S)	%.			116	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565912 5565913

Parameter	Units	10777060008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<13.1	1030	1030	1010	1280	98	124	33-128	23	30	
PCB-1260 (Aroclor 1260)	ug/kg	<15.5	1030	1030	1050	1370	101	133	30-131	27	30	M1
Decachlorobiphenyl (S)	%.						86	119	30-125			
Tetrachloro-m-xylene (S)	%.						95	122	30-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1070893
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060001, 10777060003, 10777060005, 10777060006, 10777060007

METHOD BLANK: 5565535 Matrix: Solid

Associated Lab Samples: 10777060001, 10777060003, 10777060005, 10777060006, 10777060007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/23/26 03:00	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/23/26 03:00	
Anthracene	ug/kg	<1.2	10.0	1.2	06/23/26 03:00	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/23/26 03:00	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/23/26 03:00	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/23/26 03:00	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/23/26 03:00	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/23/26 03:00	
Chrysene	ug/kg	<1.3	10.0	1.3	06/23/26 03:00	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/23/26 03:00	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/23/26 03:00	
Fluorene	ug/kg	<1.1	10.0	1.1	06/23/26 03:00	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/23/26 03:00	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/23/26 03:00	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/23/26 03:00	
Pyrene	ug/kg	<2.1	10.0	2.1	06/23/26 03:00	
2-Fluorobiphenyl (S)	%.	78	61-125		06/23/26 03:00	
p-Terphenyl-d14 (S)	%.	76	61-125		06/23/26 03:00	

LABORATORY CONTROL SAMPLE: 5565536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	77.3	77	50-125	
Acenaphthylene	ug/kg	100	77.1	77	53-125	
Anthracene	ug/kg	100	77.9	78	58-125	
Benzo(a)anthracene	ug/kg	100	80.1	80	60-125	
Benzo(a)pyrene	ug/kg	100	83.4	83	64-125	
Benzo(b)fluoranthene	ug/kg	100	84.5	84	60-125	
Benzo(g,h,i)perylene	ug/kg	100	82.8	83	59-125	
Benzo(k)fluoranthene	ug/kg	100	83.8	84	62-125	
Chrysene	ug/kg	100	79.2	79	64-125	
Dibenz(a,h)anthracene	ug/kg	100	84.0	84	62-125	
Fluoranthene	ug/kg	100	85.8	86	62-125	
Fluorene	ug/kg	100	76.4	76	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	85.3	85	58-125	
Naphthalene	ug/kg	100	77.0	77	46-125	
Phenanthrene	ug/kg	100	78.6	79	59-125	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

LABORATORY CONTROL SAMPLE: 5565536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	77.7	78	59-125	
2-Fluorobiphenyl (S)	%.			74	61-125	
p-Terphenyl-d14 (S)	%.			74	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565537 5565538

Parameter	Units	10777128007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	ND	104	102	81.3	77.8	78	76	30-150	4	30	
Acenaphthylene	ug/kg	ND	104	102	82.8	77.5	79	76	30-138	7	30	
Anthracene	ug/kg	ND	104	102	86.4	80.7	83	79	30-150	7	30	
Benzo(a)anthracene	ug/kg	ND	104	102	89.6	81.3	86	79	30-150	10	30	
Benzo(a)pyrene	ug/kg	ND	104	102	93.4	85.1	90	83	30-150	9	30	
Benzo(b)fluoranthene	ug/kg	ND	104	102	95.9	84.2	92	82	30-150	13	30	
Benzo(g,h,i)perylene	ug/kg	ND	104	102	91.9	83.7	88	82	30-150	9	30	
Benzo(k)fluoranthene	ug/kg	ND	104	102	86.5	84.4	83	82	30-150	2	30	
Chrysene	ug/kg	ND	104	102	87.8	79.2	84	77	30-150	10	30	
Dibenz(a,h)anthracene	ug/kg	ND	104	102	90.3	83.8	86	82	30-150	7	30	
Fluoranthene	ug/kg	ND	104	102	103	89.7	99	88	30-150	14	30	
Fluorene	ug/kg	ND	104	102	83.6	78.3	80	76	30-150	7	30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	104	102	97.4	88.7	93	87	30-150	9	30	
Naphthalene	ug/kg	ND	104	102	80.1	75.8	77	74	30-150	6	30	
Phenanthrene	ug/kg	ND	104	102	87.9	81.0	84	79	30-150	8	30	
Pyrene	ug/kg	ND	104	102	88.6	79.0	85	77	30-150	11	30	
2-Fluorobiphenyl (S)	%.						75	71	61-125			
p-Terphenyl-d14 (S)	%.						71	69	61-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1070939
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060008, 10777060010, 10777060011, 10777060012, 10777060013

METHOD BLANK: 5565611 Matrix: Solid

Associated Lab Samples: 10777060008, 10777060010, 10777060011, 10777060012, 10777060013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/23/26 02:29	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/23/26 02:29	
Anthracene	ug/kg	<1.2	10.0	1.2	06/23/26 02:29	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/23/26 02:29	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/23/26 02:29	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/23/26 02:29	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/23/26 02:29	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/23/26 02:29	
Chrysene	ug/kg	<1.3	10.0	1.3	06/23/26 02:29	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/23/26 02:29	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/23/26 02:29	
Fluorene	ug/kg	<1.1	10.0	1.1	06/23/26 02:29	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/23/26 02:29	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/23/26 02:29	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/23/26 02:29	
Pyrene	ug/kg	<2.1	10.0	2.1	06/23/26 02:29	
2-Fluorobiphenyl (S)	%.	73	61-125		06/23/26 02:29	
p-Terphenyl-d14 (S)	%.	85	61-125		06/23/26 02:29	

LABORATORY CONTROL SAMPLE: 5565612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	75.1	75	50-125	
Acenaphthylene	ug/kg	100	75.5	75	53-125	
Anthracene	ug/kg	100	79.1	79	58-125	
Benzo(a)anthracene	ug/kg	100	72.2	72	60-125	
Benzo(a)pyrene	ug/kg	100	91.6	92	64-125	
Benzo(b)fluoranthene	ug/kg	100	77.2	77	60-125	
Benzo(g,h,i)perylene	ug/kg	100	82.9	83	59-125	
Benzo(k)fluoranthene	ug/kg	100	99.3	99	62-125	
Chrysene	ug/kg	100	84.7	85	64-125	
Dibenz(a,h)anthracene	ug/kg	100	92.7	93	62-125	
Fluoranthene	ug/kg	100	79.1	79	62-125	
Fluorene	ug/kg	100	72.8	73	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	70.8	71	58-125	
Naphthalene	ug/kg	100	64.8	65	46-125	
Phenanthrene	ug/kg	100	70.9	71	59-125	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

LABORATORY CONTROL SAMPLE: 5565612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	83.5	83	59-125	
2-Fluorobiphenyl (S)	%.			74	61-125	
p-Terphenyl-d14 (S)	%.			85	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565613 5565614

Parameter	Units	10777060008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	4.0J	105	105	72.9	79.8	65	72	30-150	9	30	
Acenaphthylene	ug/kg	5.9J	105	105	80.8	85.6	71	76	30-138	6	30	
Anthracene	ug/kg	36.5	105	105	102	118	62	77	30-150	15	30	
Benzo(a)anthracene	ug/kg	32.5	105	105	111	106	75	70	30-150	5	30	
Benzo(a)pyrene	ug/kg	32.1	105	105	113	112	76	75	30-150	1	30	
Benzo(b)fluoranthene	ug/kg	88.6	105	105	162	159	70	67	30-150	2	30	
Benzo(g,h,i)perylene	ug/kg	45.5	105	105	116	118	67	69	30-150	2	30	
Benzo(k)fluoranthene	ug/kg	30.0	105	105	110	109	76	75	30-150	0	30	
Chrysene	ug/kg	55.2	105	105	135	137	76	78	30-150	2	30	
Dibenz(a,h)anthracene	ug/kg	14.9	105	105	86.5	106	68	86	30-150	20	30	
Fluoranthene	ug/kg	48.6	105	105	130	127	77	74	30-150	3	30	
Fluorene	ug/kg	5.7J	105	105	73.8	78.3	65	69	30-150	6	30	
Indeno(1,2,3-cd)pyrene	ug/kg	42.8	105	105	118	118	71	71	30-150	0	30	
Naphthalene	ug/kg	91.2	105	105	149	148	54	54	30-150	0	30	
Phenanthrene	ug/kg	101	105	105	156	160	53	56	30-150	2	30	
Pyrene	ug/kg	45.8	105	105	124	115	74	65	30-150	7	30	
2-Fluorobiphenyl (S)	%.						62	64	61-125			
p-Terphenyl-d14 (S)	%.						74	74	61-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch: 1071006
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060014, 10777060015, 10777060016

METHOD BLANK: 5565966 Matrix: Solid

Associated Lab Samples: 10777060014, 10777060015, 10777060016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/19/26 12:48	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/19/26 12:48	
Anthracene	ug/kg	<1.2	10.0	1.2	06/19/26 12:48	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/19/26 12:48	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/19/26 12:48	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/19/26 12:48	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/19/26 12:48	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/19/26 12:48	
Chrysene	ug/kg	<1.3	10.0	1.3	06/19/26 12:48	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/19/26 12:48	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/19/26 12:48	
Fluorene	ug/kg	<1.1	10.0	1.1	06/19/26 12:48	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/19/26 12:48	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/19/26 12:48	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/19/26 12:48	
Pyrene	ug/kg	<2.1	10.0	2.1	06/19/26 12:48	
2-Fluorobiphenyl (S)	%.	80	61-125		06/19/26 12:48	
p-Terphenyl-d14 (S)	%.	95	61-125		06/19/26 12:48	

LABORATORY CONTROL SAMPLE: 5565967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	76.7	77	50-125	
Acenaphthylene	ug/kg	100	75.5	75	53-125	
Anthracene	ug/kg	100	86.6	87	58-125	
Benzo(a)anthracene	ug/kg	100	72.8	73	60-125	
Benzo(a)pyrene	ug/kg	100	84.0	84	64-125	
Benzo(b)fluoranthene	ug/kg	100	73.3	73	60-125	
Benzo(g,h,i)perylene	ug/kg	100	85.0	85	59-125	
Benzo(k)fluoranthene	ug/kg	100	94.2	94	62-125	
Chrysene	ug/kg	100	79.4	79	64-125	
Dibenz(a,h)anthracene	ug/kg	100	91.4	91	62-125	
Fluoranthene	ug/kg	100	78.5	79	62-125	
Fluorene	ug/kg	100	72.3	72	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	82.6	83	58-125	
Naphthalene	ug/kg	100	66.9	67	46-125	
Phenanthrene	ug/kg	100	68.4	68	59-125	

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1700 Elm Street
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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

LABORATORY CONTROL SAMPLE: 5565967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	85.5	86	59-125	
2-Fluorobiphenyl (S)	%.			75	61-125	
p-Terphenyl-d14 (S)	%.			87	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565968 5565969

Parameter	Units	10777485002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	0.0025J mg/kg	108	108	86.0	88.1	77	79	30-150	2	30	
Acenaphthylene	ug/kg	0.0069J mg/kg	108	108	89.2	91.7	76	78	30-138	3	30	
Anthracene	ug/kg	0.012 mg/kg	108	108	110	103	91	84	30-150	7	30	
Benzo(a)anthracene	ug/kg	0.020 mg/kg	108	108	93.7	101	68	75	30-150	8	30	
Benzo(a)pyrene	ug/kg	0.025 mg/kg	108	108	97.6	104	67	73	30-150	6	30	
Benzo(b)fluoranthene	ug/kg	0.047 mg/kg	108	108	107	119	56	67	30-150	11	30	
Benzo(g,h,i)perylene	ug/kg	0.032 mg/kg	108	108	84.1	92.6	48	56	30-150	10	30	
Benzo(k)fluoranthene	ug/kg	0.017 mg/kg	108	108	101	102	77	79	30-150	2	30	
Chrysene	ug/kg	0.031 mg/kg	108	108	99.0	102	63	65	30-150	3	30	
Dibenz(a,h)anthracene	ug/kg	0.011J mg/kg	108	108	84.3	95.3	68	78	30-150	12	30	
Fluoranthene	ug/kg	0.038 mg/kg	108	108	117	127	73	83	30-150	9	30	
Fluorene	ug/kg	0.0026J mg/kg	108	108	81.9	84.5	73	76	30-150	3	30	
Indeno(1,2,3-cd)pyrene	ug/kg	0.030 mg/kg	108	108	91.5	99.4	57	64	30-150	8	30	
Naphthalene	ug/kg	0.053 mg/kg	108	108	84.2	87.8	28	32	30-150	4	30	M1
Phenanthrene	ug/kg	0.049 mg/kg	108	108	122	119	67	64	30-150	3	30	
Pyrene	ug/kg	0.033 mg/kg	108	108	103	105	64	66	30-150	3	30	
2-Fluorobiphenyl (S)	%.						71	75	61-125			
p-Terphenyl-d14 (S)	%.						71	77	61-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch	1070892	Analysis Method:	WI MOD DRO
QC Batch Method:	WI MOD DRO	Analysis Description:	WIDRO GCS
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060001, 10777060002, 10777060004, 10777060006, 10777060007, 10777060009

METHOD BLANK: 5565532 Matrix: Solid

Associated Lab Samples: 10777060001, 10777060002, 10777060004, 10777060006, 10777060007, 10777060009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
WDRO C10-C28	mg/kg	<2.8	10.0	2.8	06/23/26 16:25	
n-Triacontane (S)	%.	119	50-150		06/23/26 16:25	CH

LABORATORY CONTROL SAMPLE & LCSD: 5565533 5565534

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	80	70.1	69.2	88	87	70-120	1	20	
n-Triacontane (S)	%.				121	119	50-150			CH

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565539 5565540

Parameter	Units	10777128007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	ND	83.1	82.1	57.7	61.8	67	72	70-120	7	20	D5,M1
n-Triacontane (S)	%.						96	106	50-150			CH

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

QC Batch	1071028	Analysis Method:	WI MOD DRO
QC Batch Method:	WI MOD DRO	Analysis Description:	WIDRO GCS
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

METHOD BLANK: 5566125 Matrix: Solid

Associated Lab Samples: 10777060010, 10777060011, 10777060012, 10777060013, 10777060014, 10777060015, 10777060016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
WDRO C10-C28	mg/kg	3.8J	10.0	2.8	06/24/26 18:49	
n-Triacontane (S)	%.	131	50-150		06/24/26 18:49	

LABORATORY CONTROL SAMPLE & LCSD: 5566126 5566127

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	80	70.1	74.0	88	93	70-120	5	20	
n-Triacontane (S)	%.				110	114	50-150			

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QUALIFIERS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

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 adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 1072401
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072404
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072688
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
D5	The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
G+	Late peaks present outside the GRO window.
G-	Early peaks present outside the GRO window.
G2	The sample weight in the container did not meet method specifications.
GO	Early and late peaks present outside the GRO window.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALIFIERS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
T6	High boiling point hydrocarbons are present in the sample.
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: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10777060001	B-TP48-1_2-3	EPA 3546	1070940	EPA 8082A	1071241
10777060003	B-COMP-08_0-1	EPA 3546	1070940	EPA 8082A	1071241
10777060005	B-COMP-09_0-1	EPA 3546	1070940	EPA 8082A	1071241
10777060006	B-TP57-1_0.5-3	EPA 3546	1070940	EPA 8082A	1071241
10777060007	B-TP58-1_1-2	EPA 3546	1070940	EPA 8082A	1071241
10777060008	B-COMP-10_0-2	EPA 3546	1071000	EPA 8082A	1071240
10777060010	B-TP62-1	EPA 3546	1071000	EPA 8082A	1071240
10777060011	B-TP63-1	EPA 3546	1071000	EPA 8082A	1071240
10777060012	B-TP64-1_3.3-3.5	EPA 3546	1071000	EPA 8082A	1071240
10777060013	B-TP66-1_0-3.5	EPA 3546	1071000	EPA 8082A	1071240
10777060014	B-TP67-1_0-3.5	EPA 3546	1071000	EPA 8082A	1071240
10777060015	B-TP68-1_0-3.5	EPA 3546	1071000	EPA 8082A	1071240
10777060016	B-TP69-1_0-3.5	EPA 3546	1071000	EPA 8082A	1071240
10777060001	B-TP48-1_2-3	WI MOD DRO	1070892	WI MOD DRO	1071601
10777060002	B-TP51-1_0-1	WI MOD DRO	1070892	WI MOD DRO	1071601
10777060004	B-TP53-1_0-1	WI MOD DRO	1070892	WI MOD DRO	1071601
10777060006	B-TP57-1_0.5-3	WI MOD DRO	1070892	WI MOD DRO	1071601
10777060007	B-TP58-1_1-2	WI MOD DRO	1070892	WI MOD DRO	1071601
10777060009	B-TP59-1_0-2	WI MOD DRO	1070892	WI MOD DRO	1071601
10777060010	B-TP62-1	WI MOD DRO	1071028	WI MOD DRO	1072123
10777060011	B-TP63-1	WI MOD DRO	1071028	WI MOD DRO	1072123
10777060012	B-TP64-1_3.3-3.5	WI MOD DRO	1071028	WI MOD DRO	1072123
10777060013	B-TP66-1_0-3.5	WI MOD DRO	1071028	WI MOD DRO	1072123
10777060014	B-TP67-1_0-3.5	WI MOD DRO	1071028	WI MOD DRO	1072123
10777060015	B-TP68-1_0-3.5	WI MOD DRO	1071028	WI MOD DRO	1072123
10777060016	B-TP69-1_0-3.5	WI MOD DRO	1071028	WI MOD DRO	1072123
10777060001	B-TP48-1_2-3	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060002	B-TP51-1_0-1	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060004	B-TP53-1_0-1	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060006	B-TP57-1_0.5-3	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060007	B-TP58-1_1-2	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060009	B-TP59-1_0-2	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060010	B-TP62-1	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060011	B-TP63-1	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060012	B-TP64-1_3.3-3.5	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060013	B-TP66-1_0-3.5	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060014	B-TP67-1_0-3.5	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060015	B-TP68-1_0-3.5	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060016	B-TP69-1_0-3.5	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060017	Trip Blank-03	EPA 5030 Medium Soil	1072633	WI MOD GRO	1072688
10777060006	B-TP57-1_0.5-3	EPA 3015A	1076716	EPA 6010D	1076804
10777060007	B-TP58-1_1-2	EPA 3015A	1076716	EPA 6010D	1076804
10777060010	B-TP62-1	EPA 3015A	1076716	EPA 6010D	1076804
10777060011	B-TP63-1	EPA 3015A	1076716	EPA 6010D	1076804
10777060001	B-TP48-1_2-3	EPA 3050B	1071776	EPA 6010D	1072208
10777060003	B-COMP-08_0-1	EPA 3050B	1071776	EPA 6010D	1072208
10777060005	B-COMP-09_0-1	EPA 3050B	1071776	EPA 6010D	1072208

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10777060006	B-TP57-1_0.5-3	EPA 3050B	1071776	EPA 6010D	1072208
10777060007	B-TP58-1_1-2	EPA 3050B	1071776	EPA 6010D	1072208
10777060008	B-COMP-10_0-2	EPA 3050B	1071776	EPA 6010D	1072208
10777060010	B-TP62-1	EPA 3050B	1071776	EPA 6010D	1072208
10777060011	B-TP63-1	EPA 3050B	1071776	EPA 6010D	1072208
10777060012	B-TP64-1_3.3-3.5	EPA 3050B	1071776	EPA 6010D	1072208
10777060013	B-TP66-1_0-3.5	EPA 3050B	1071776	EPA 6010D	1072208
10777060014	B-TP67-1_0-3.5	EPA 3050B	1071776	EPA 6010D	1072208
10777060015	B-TP68-1_0-3.5	EPA 3050B	1071776	EPA 6010D	1072208
10777060016	B-TP69-1_0-3.5	EPA 3050B	1071776	EPA 6010D	1072208
10777060001	B-TP48-1_2-3	EPA 7471B	1071777	EPA 7471B	1072221
10777060003	B-COMP-08_0-1	EPA 7471B	1071777	EPA 7471B	1072221
10777060005	B-COMP-09_0-1	EPA 7471B	1071777	EPA 7471B	1072221
10777060006	B-TP57-1_0.5-3	EPA 7471B	1071777	EPA 7471B	1072221
10777060007	B-TP58-1_1-2	EPA 7471B	1071777	EPA 7471B	1072221
10777060008	B-COMP-10_0-2	EPA 7471B	1071777	EPA 7471B	1072221
10777060010	B-TP62-1	EPA 7471B	1071777	EPA 7471B	1072221
10777060011	B-TP63-1	EPA 7471B	1071777	EPA 7471B	1072221
10777060012	B-TP64-1_3.3-3.5	EPA 7471B	1071777	EPA 7471B	1072221
10777060013	B-TP66-1_0-3.5	EPA 7471B	1071777	EPA 7471B	1072221
10777060014	B-TP67-1_0-3.5	EPA 7471B	1071777	EPA 7471B	1072221
10777060015	B-TP68-1_0-3.5	EPA 7471B	1071777	EPA 7471B	1072221
10777060016	B-TP69-1_0-3.5	EPA 7471B	1071777	EPA 7471B	1072221
10777060001	B-TP48-1_2-3	ASTM D2974	1072259		
10777060002	B-TP51-1_0-1	ASTM D2974	1072259		
10777060003	B-COMP-08_0-1	ASTM D2974	1072259		
10777060004	B-TP53-1_0-1	ASTM D2974	1072259		
10777060005	B-COMP-09_0-1	ASTM D2974	1072259		
10777060006	B-TP57-1_0.5-3	ASTM D2974	1072259		
10777060007	B-TP58-1_1-2	ASTM D2974	1072259		
10777060008	B-COMP-10_0-2	ASTM D2974	1072259		
10777060009	B-TP59-1_0-2	ASTM D2974	1072259		
10777060010	B-TP62-1	ASTM D2974	1072259		
10777060011	B-TP63-1	ASTM D2974	1072259		
10777060012	B-TP64-1_3.3-3.5	ASTM D2974	1072259		
10777060013	B-TP66-1_0-3.5	ASTM D2974	1072259		
10777060014	B-TP67-1_0-3.5	ASTM D2974	1072259		
10777060015	B-TP68-1_0-3.5	ASTM D2974	1072259		
10777060016	B-TP69-1_0-3.5	ASTM D2974	1072259		
10777060001	B-TP48-1_2-3	EPA 3546	1070893	EPA 8270E by SIM	1071436
10777060003	B-COMP-08_0-1	EPA 3546	1070893	EPA 8270E by SIM	1071436
10777060005	B-COMP-09_0-1	EPA 3546	1070893	EPA 8270E by SIM	1071436
10777060006	B-TP57-1_0.5-3	EPA 3546	1070893	EPA 8270E by SIM	1071436
10777060007	B-TP58-1_1-2	EPA 3546	1070893	EPA 8270E by SIM	1071436
10777060008	B-COMP-10_0-2	EPA 3546	1070939	EPA 8270E by SIM	1071595
10777060010	B-TP62-1	EPA 3546	1070939	EPA 8270E by SIM	1071595
10777060011	B-TP63-1	EPA 3546	1070939	EPA 8270E by SIM	1071595
10777060012	B-TP64-1_3.3-3.5	EPA 3546	1070939	EPA 8270E by SIM	1071595

REPORT OF LABORATORY ANALYSIS

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Date: 07/24/2026 09:22 AM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777060

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10777060013	**B-TP66-1_0-3.5**	EPA 3546	1070939	EPA 8270E by SIM	1071595
10777060014	**B-TP67-1_0-3.5**	EPA 3546	1071006	EPA 8270E by SIM	1071182
10777060015	**B-TP68-1_0-3.5**	EPA 3546	1071006	EPA 8270E by SIM	1071182
10777060016	**B-TP69-1_0-3.5**	EPA 3546	1071006	EPA 8270E by SIM	1071182
10777060001	**B-TP48-1_2-3**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060002	**B-TP51-1_0-1**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060004	**B-TP53-1_0-1**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060006	**B-TP57-1_0.5-3**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060007	**B-TP58-1_1-2**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060009	**B-TP59-1_0-2**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060010	**B-TP62-1**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060011	**B-TP63-1**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060017	**Trip Blank-03**	EPA 5035/5030B	1072227	EPA 8260D	1072401
10777060012	**B-TP64-1_3.3-3.5**	EPA 5035/5030B	1072342	EPA 8260D	1072404
10777060013	**B-TP66-1_0-3.5**	EPA 5035/5030B	1072342	EPA 8260D	1072404
10777060014	**B-TP67-1_0-3.5**	EPA 5035/5030B	1072342	EPA 8260D	1072404
10777060015	**B-TP68-1_0-3.5**	EPA 5035/5030B	1072342	EPA 8260D	1072404
10777060016	**B-TP69-1_0-3.5**	EPA 5035/5030B	1072342	EPA 8260D	1072404

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BARR Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

COC Number: COC 1 of 3

WO#: 10777060

10777060

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

W = Unspecified
S = Soil/Solid
SD = Sediment
SQ = MeOH blank
OTH = Other (Oil, etc.)
H = $Na_2S_2O_3$
I = Ascorbic Acid
J = Zn Acetate
K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - PVOCs F N	SOIL - VOCs F N	Soil: DRO A N	GRO F N	RCRA Metals A N	PAHs A N	PCBs A N	% Solids	Preservative Code / Field Filtered Y/N
1. B-TP48-1	2	3	ft	06/11/2026	10:35	S	N	6		1	1	1	1	1	1	1	Docking
2. B-TP51-1	0	1	ft	06/11/2026	11:00	S	N	6		1	1	1				1	Docking
3. B-COMP-08	0	1	ft	06/11/2026	11:02	S	N	2					1	1	1	1	Docking
4. B-TP53-1	0	1	ft	06/11/2026	11:55	S	N	6		1	1	1				1	Qonset
5. B-COMP-09	0	1	ft	06/11/2026	12:07	S	N	2					1	1	1	1	Qonset
6. B-TP57-1	0.5	3	ft	06/11/2026	14:25	S	N	6		1	1	1	1	1	1	1	Transformer 2
7. B-TP58-1	1	2	ft	06/11/2026	14:30	S	N	6		1	1	1	1	1	1	1	Transformer 2
8. B-COMP-10	0	2	ft	06/11/2026	15:25	S	N	2	JSP	JSP	JSP	1	1	1	1		Transformer 2 cont.
9. B-TP59-1	0	2	ft	06/11/2026	14:55	S	N	6		1	1	1				1	Transformer 2 cont
10. B-TP62-1	—	—	—	06/11/2026	16:10	S	N	6		1	1	1	1	1	1	1	Loco. shop

BARR USE ONLY	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Sampled by: JSP		Y N	6/15/26	0756	43028	6/15/26	0756
Barr Proj. Manager: Tristan Beaster	Relinquished by:	Y N	Date	Time	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen							
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:				Air Bill Number:		
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C): 4.4 4.3 1.8 AC Coolant			Custody Seal Intact? ☐ Y ☐ N ☒ None		

Requested Due Date:
☒ Standard Turn Around Time
☐ Rush _____ (mm/dd/yyyy)

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number: COC 2 of 3

Matrix Code: GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - PVOCs (F, N)	Water: SOIL - VOCs (F, N)	Soil: DRO (A, N)	Soil: GRO (F, N)	Soil: RCRA Metals (A, N)	Soil: PAHs (A, N)	Soil: PCBs (A, N)	Soil: % Solids	Preservative Code / Field Filtered Y/N
1. B-TP63-1				06/11/2026	16:15	S	N	6		1	1	1	1	1	1		Loco shop
2. B-TP64-1	3.3	3.5	ft	06/12/2026	08:20	S	N	6		1	1	1	1	1	1		Maint. shop catch basin
3. B-TP66-1	0	3.5	ft	06/12/2026	08:40	S	N	6		1	1	1	1	1	1		Maint. shop trench
4. B-TP67-1	0	3.5	ft	06/12/2026	08:45	S	N	6		1	1	1	1	1	1		"
5. B-TP68-1	0	3.5	ft	06/12/2026	08:53	S	N	6		1	1	1	1	1	1		"
6. B-TP69-1	0	3.5	ft	06/12/2026	08:55	S	N	6		1	1	1	1	1	1		"
7. Trip Blank-03				6/11/2026	10:35	S				1	1						
8.						S											
9.						S											
10.						S											

BARR USE ONLY	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Sampled by: JSP							
Barr Proj. Manager: Tristan Beaster	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen							
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:				Air Bill Number:		
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C):			Custody Seal Intact? ☐ Y ☐ N ☐ None		

Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

H:\AANChain of Custody Form 2024 Rev. 04/12/2024

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number: COC 3 of 3

Matrix Code: GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - PVOCs (F)	SOIL - VOCs (F)	Soil: DRO (A)	GRO (F)	RCRA Metals (A)	PAHs (A)	PCBs (A)	% Solids	Preservative Code	Field Filtered Y/N
1. B-TP45-1	0	1	Ft	06/11/2026	11:25	S	N	2										N
2. B-TP46-1	0	1	Ft		11:20	S	N	2										N
3. B-TP47-1	0	1	Ft		11:15	S	N	2										N
4. B-TP49-1	0	1	Ft		11:14	S	N	2										N
5. B-TP50-1	0	1	Ft		11:19	S	N	2										N
6. B-TP52-1	0	1	Ft	06/11/2026	12:02	S	N	2										N
7. B-TP55-1	0	2	Ft	06/11/2026	15:17	S	N	2										N
8. B-TP60-1	0	1	Ft		15:05	S	N	2										N
9. B-TP61-1	0	1	Ft		15:10	S	N	2										N
10. ~~B-TP62-1~~				06/11/2026	16:10	S	N	0										JSP

BARR USE ONLY	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Sampled by: JSP			6/15/26	07:50		6/15/26	0756
Barr Proj. Manager: Tristan Beaster	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen							
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____				Air Bill Number:	Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)	
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C):			Custody Seal Intact? ☐ Y ☐ N ☐ None		

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: AK 06/15/26

PROJECT #: **WO#: 10777060**

PM: CD3 Due Date: 06/29/26

CLIENT: BARR

Client Name: Barr Engineering

Custody Seal Present: ☐ YES ☒ NO Seals Intact: ☐ YES ☒ NO

Tracking Number: ☐ 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) ☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775) ☐ T9 (0428) ☒ 01339252 (0710)

Type of Ice: ☐ Blue ☐ Dry ☒ Wet ☒ Melted ☐ None

Temp Blank: ☒ YES ☐ NO

NOTE: Temp should be ≤ 6°C, but above freezing.

Read Temp w/Temp Blank: 4.3, 2.8 °C

Correction Factor: True

Corrected Temp w/Temp Blank: 4.3, 2.8 °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, 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? NOTE: < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☒	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? – Pace Containers Used?	☒ ☒	☐ ☐	☐	8.
Containers Intact?	☒	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? (If NO, fill out section 11.) Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other	☒	☐	☐	11. ☐ 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): 030926-3

CLIENT NOTIFICATION / RESOLUTION: Labeled By: _____ Line: _____

Person Contacted & Date/Time: _____ PM Review & Date: Craig D Douglas 06/15/2026

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.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

July 13, 2026

Jim Taraldsen
Barr Engineering Company
325 S Lake Ave
Duluth, MN 55802

RE: Project: 23311657 100 300 Hill Annex-Revised Report
Pace Project No.: 10777061

Dear Jim Taraldsen:

Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2026. 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 - Minneapolis

This report was revised on July 13, 2026, to include results for 6010D total arsenic on Pace samples 10777061-004, -009, -010, and -011.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Craig S Douglas

Craig Douglas
craig.douglas@pacelabs.com
(218) 727-6380
Project Manager

Enclosures

cc: Barr DM, Barr Engineering
Accounts Payable, Barr Engineering

REPORT OF LABORATORY ANALYSIS
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Pace Analytical Services, LLC
1700 Elm Stree
Minneapolis, MN 5541
(612)607-170

CERTIFICATIONS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alaska Contaminated Sites Certification #: 17-009
Arizona Certification #: AZ0014
Arkansas WW Certification #: 88-0680
Colorado Certification #: MN00064
DoD via A2LA Certification #: 2926.01
Florida Certification #: E87605
Idaho Certification #: MN00064
Indiana Certification #: C-MN-01
ISO/IEC 17025 via A2LA Certification #: 2926.01
Kentucky DW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Maine Certification #: MN00064
Michigan Certification #: 9909
Minnesota Dept of Ag Approval via Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nevada Certification #: MN00064
New Jersey Certification #: MN002
North Carolina DW Certification #: 27700
North Dakota Certification via A2LA #: R-036
Ohio DW Certification #: 41244
Oklahoma Certification #: 9507
Oregon Secondary Certification #: MN200001
Puerto Rico Certification #: MN00064
Tennessee Certification #: TN02818
Utah Certification #: MN00064
Virginia Certification #: 460163
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
USDA Permit #: P330-19-00208

Alabama Certification #: 40770
Alaska DW Certification #: MN00064
Arkansas DW Certification #: MN00064
California Certification #: 2929
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Georgia Certification #: 959
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky WW Certification #: 90062
Louisiana DW Certification #: MN00064
Maryland Certification #: 322
Minnesota Certification #: 027-053-137
Minnesota Petrofund Registration #: 1240
Missouri Certification #: 10100
Nebraska Certification #: NE-OS-18-06
New Hampshire Certification #: 2081
New York Certification #: 11647
North Carolina WW Certification #: 530
North Dakota Certification via MN #: R-036
Ohio VAP Certification (1700) #: CL101
Oregon Primary Certification #: MN300001
Pennsylvania Certification #: 68-00563
South Carolina Certification #:74003001
Texas Certification #: T104704192
Vermont Certification #: VT-027053137
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
Wyoming UST Certification via A2LA #: 2926.01

REPORT OF LABORATORY ANALYSIS

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Date: 07/13/2026 01:31 PM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10777061001	**C-COMP-12_0-1**	Solid	06/12/26 13:55	06/15/26 07:56
10777061002	**C-TP78-1_0-1**	Solid	06/12/26 13:50	06/15/26 07:56
10777061003	**C-COMP-11_0-1.7**	Solid	06/12/26 11:48	06/15/26 07:56
10777061004	**C-TP73-1_0-1.7**	Solid	06/12/26 11:40	06/15/26 07:56
10777061005	**C-TP70-1_0-1.5**	Solid	06/12/26 10:10	06/15/26 07:56
10777061006	**C-TP71-1_0-1**	Solid	06/12/26 10:22	06/15/26 07:56
10777061007	**C-TP76-1_0-1**	Solid	06/12/26 12:40	06/15/26 07:56
10777061008	**C-TP77-1_0-1**	Solid	06/12/26 12:36	06/15/26 07:56
10777061009	**C-TP72-1_0-1.7**	Solid	06/12/26 11:47	06/15/26 07:56
10777061010	**C-TP74-1_0-1.7**	Solid	06/12/26 11:51	06/15/26 07:56
10777061011	**C-TP75-1**	Solid	06/12/26 11:35	06/15/26 07:56
10777061012	**Trip Blank-04**	Solid	06/12/26 10:10	06/15/26 07:56

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777061001	**C-COMP-12_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777061002	**C-TP78-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777061003	**C-COMP-11_0-1.7**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777061004	**C-TP73-1_0-1.7**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777061005	**C-TP70-1_0-1.5**	WI MOD DRO	TT2	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	11	PASI-M
10777061006	**C-TP71-1_0-1**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777061009	**C-TP72-1_0-1.7**	EPA 6010D	IP	1	PASI-M
10777061010	**C-TP74-1_0-1.7**	EPA 6010D	IP	1	PASI-M
10777061011	**C-TP75-1**	EPA 6010D	IP	1	PASI-M
10777061012	**Trip Blank-04**	WI MOD GRO	NJ1	2	PASI-M
		EPA 8260D	NMB	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-COMP-12_0-1 **Lab ID: 10777061001** Collected: 06/12/26 13:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.0**	ug/kg	52.4	13.0	1	06/18/26 15:21	06/19/26 16:23	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.4**	ug/kg	52.4	14.4	1	06/18/26 15:21	06/19/26 16:23	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.9**	ug/kg	52.4	16.9	1	06/18/26 15:21	06/19/26 16:23	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.2**	ug/kg	52.4	19.2	1	06/18/26 15:21	06/19/26 16:23	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.9**	ug/kg	52.4	15.9	1	06/18/26 15:21	06/19/26 16:23	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.7**	ug/kg	52.4	17.7	1	06/18/26 15:21	06/19/26 16:23	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.4**	ug/kg	52.4	15.4	1	06/18/26 15:21	06/19/26 16:23	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	81	%.	30-125		1	06/18/26 15:21	06/19/26 16:23	877-09-8	
Decachlorobiphenyl (S)	78	%.	30-125		1	06/18/26 15:21	06/19/26 16:23	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**3.2**	mg/kg	1.1	0.18	1	06/23/26 13:27	06/24/26 15:44	7440-38-2	
Barium	**28.7**	mg/kg	0.53	0.079	1	06/23/26 13:27	06/24/26 15:44	7440-39-3	
Cadmium	**0.35**	mg/kg	0.16	0.037	1	06/23/26 13:27	06/24/26 15:44	7440-43-9	
Chromium	**9.9**	mg/kg	0.53	0.16	1	06/23/26 13:27	06/24/26 15:44	7440-47-3	
Lead	**58.8**	mg/kg	0.53	0.24	1	06/23/26 13:27	06/24/26 15:44	7439-92-1	
Selenium	**<0.46**	mg/kg	1.1	0.46	1	06/23/26 13:27	06/24/26 15:44	7782-49-2	
Silver	**<0.042**	mg/kg	0.53	0.042	1	06/23/26 13:27	06/24/26 15:44	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.21**	mg/kg	0.019	0.0080	1	06/23/26 14:32	06/24/26 10:12	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**7.4**	%	0.10	0.10	1		06/26/26 10:50		N2

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-COMP-12_0-1 **Lab ID: 10777061001** Collected: 06/12/26 13:55 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.2**	ug/kg	10.7	1.2	1	06/18/26 11:24	06/22/26 19:09	83-32-9	
Acenaphthylene	**8.4J**	ug/kg	10.7	1.9	1	06/18/26 11:24	06/22/26 19:09	208-96-8	
Anthracene	**8.6J**	ug/kg	10.7	1.2	1	06/18/26 11:24	06/22/26 19:09	120-12-7	
Benzo(a)anthracene	**33.9**	ug/kg	10.7	2.0	1	06/18/26 11:24	06/22/26 19:09	56-55-3	
Benzo(a)pyrene	**43.3**	ug/kg	10.7	1.8	1	06/18/26 11:24	06/22/26 19:09	50-32-8	
Benzo(b)fluoranthene	**46.1**	ug/kg	10.7	2.5	1	06/18/26 11:24	06/22/26 19:09	205-99-2	
Benzo(g,h,i)perylene	**50.6**	ug/kg	10.7	2.4	1	06/18/26 11:24	06/22/26 19:09	191-24-2	
Benzo(k)fluoranthene	**21.8**	ug/kg	10.7	1.4	1	06/18/26 11:24	06/22/26 19:09	207-08-9	
Chrysene	**39.7**	ug/kg	10.7	1.4	1	06/18/26 11:24	06/22/26 19:09	218-01-9	
Dibenz(a,h)anthracene	**10J**	ug/kg	10.7	1.5	1	06/18/26 11:24	06/22/26 19:09	53-70-3	
Fluoranthene	**45.2**	ug/kg	10.7	2.8	1	06/18/26 11:24	06/22/26 19:09	206-44-0	
Fluorene	**<1.2**	ug/kg	10.7	1.2	1	06/18/26 11:24	06/22/26 19:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**32.0**	ug/kg	10.7	2.2	1	06/18/26 11:24	06/22/26 19:09	193-39-5	
Naphthalene	**13.9**	ug/kg	10.7	3.8	1	06/18/26 11:24	06/22/26 19:09	91-20-3	
Phenanthrene	**19.2**	ug/kg	10.7	2.3	1	06/18/26 11:24	06/22/26 19:09	85-01-8	
Pyrene	**46.7**	ug/kg	10.7	2.2	1	06/18/26 11:24	06/22/26 19:09	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%.	61-125		1	06/18/26 11:24	06/22/26 19:09	321-60-8	
p-Terphenyl-d14 (S)	97	%.	61-125		1	06/18/26 11:24	06/22/26 19:09	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP78-1_0-1 **Lab ID: 10777061002** Collected: 06/12/26 13:50 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**25.5**	mg/kg	10.1	2.8	1	06/18/26 12:12	06/24/26 19:45		B,T6
Surrogates									
n-Triacontane (S)	120	%.	50-150		1	06/18/26 12:12	06/24/26 19:45		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.6**	mg/kg	14.5	3.6	1	06/27/26 14:21	06/29/26 02:02		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	92	%.	80-200		1	06/27/26 14:21	06/29/26 02:02	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**12.2**	%	0.10	0.10	1		06/26/26 10:50		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<434**	ug/kg	1350	434	1	06/26/26 09:54	06/26/26 19:53	67-64-1	
Allyl chloride	**<119**	ug/kg	271	119	1	06/26/26 09:54	06/26/26 19:53	107-05-1	
Benzene	**<9.1**	ug/kg	27.1	9.1	1	06/26/26 09:54	06/26/26 19:53	71-43-2	
Bromobenzene	**<23.4**	ug/kg	67.6	23.4	1	06/26/26 09:54	06/26/26 19:53	108-86-1	
Bromochloromethane	**<21.4**	ug/kg	67.6	21.4	1	06/26/26 09:54	06/26/26 19:53	74-97-5	
Bromodichloromethane	**<27.6**	ug/kg	67.6	27.6	1	06/26/26 09:54	06/26/26 19:53	75-27-4	
Bromoform	**<129**	ug/kg	271	129	1	06/26/26 09:54	06/26/26 19:53	75-25-2	
Bromomethane	**<235**	ug/kg	676	235	1	06/26/26 09:54	06/26/26 19:53	74-83-9	
2-Butanone (MEK)	**<158**	ug/kg	338	158	1	06/26/26 09:54	06/26/26 19:53	78-93-3	
n-Butylbenzene	**<23.7**	ug/kg	67.6	23.7	1	06/26/26 09:54	06/26/26 19:53	104-51-8	
sec-Butylbenzene	**<17.4**	ug/kg	67.6	17.4	1	06/26/26 09:54	06/26/26 19:53	135-98-8	
tert-Butylbenzene	**<19.9**	ug/kg	67.6	19.9	1	06/26/26 09:54	06/26/26 19:53	98-06-6	
Carbon tetrachloride	**<24.8**	ug/kg	67.6	24.8	1	06/26/26 09:54	06/26/26 19:53	56-23-5	
Chlorobenzene	**<19.7**	ug/kg	67.6	19.7	1	06/26/26 09:54	06/26/26 19:53	108-90-7	
Chloroethane	**<187**	ug/kg	676	187	1	06/26/26 09:54	06/26/26 19:53	75-00-3	
Chloroform	**<26.1**	ug/kg	67.6	26.1	1	06/26/26 09:54	06/26/26 19:53	67-66-3	
Chloromethane	**<41.7**	ug/kg	271	41.7	1	06/26/26 09:54	06/26/26 19:53	74-87-3	
2-Chlorotoluene	**<19.2**	ug/kg	67.6	19.2	1	06/26/26 09:54	06/26/26 19:53	95-49-8	
4-Chlorotoluene	**<20.2**	ug/kg	67.6	20.2	1	06/26/26 09:54	06/26/26 19:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<113**	ug/kg	676	113	1	06/26/26 09:54	06/26/26 19:53	96-12-8	
Dibromochloromethane	**<67.0**	ug/kg	271	67.0	1	06/26/26 09:54	06/26/26 19:53	124-48-1	
1,2-Dibromoethane (EDB)	**<21.6**	ug/kg	67.6	21.6	1	06/26/26 09:54	06/26/26 19:53	106-93-4	
Dibromomethane	**<27.6**	ug/kg	67.6	27.6	1	06/26/26 09:54	06/26/26 19:53	74-95-3	
1,2-Dichlorobenzene	**<19.7**	ug/kg	67.6	19.7	1	06/26/26 09:54	06/26/26 19:53	95-50-1	
1,3-Dichlorobenzene	**<18.1**	ug/kg	67.6	18.1	1	06/26/26 09:54	06/26/26 19:53	541-73-1	
1,4-Dichlorobenzene	**<17.9**	ug/kg	67.6	17.9	1	06/26/26 09:54	06/26/26 19:53	106-46-7	
Dichlorodifluoromethane	**<36.1**	ug/kg	271	36.1	1	06/26/26 09:54	06/26/26 19:53	75-71-8	
1,1-Dichloroethane	**<18.7**	ug/kg	67.6	18.7	1	06/26/26 09:54	06/26/26 19:53	75-34-3	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP78-1_0-1 **Lab ID: 10777061002** Collected: 06/12/26 13:50 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<18.8**	ug/kg	67.6	18.8	1	06/26/26 09:54	06/26/26 19:53	107-06-2	
1,1-Dichloroethene	**<18.0**	ug/kg	67.6	18.0	1	06/26/26 09:54	06/26/26 19:53	75-35-4	
cis-1,2-Dichloroethene	**<20.4**	ug/kg	67.6	20.4	1	06/26/26 09:54	06/26/26 19:53	156-59-2	
trans-1,2-Dichloroethene	**<18.0**	ug/kg	67.6	18.0	1	06/26/26 09:54	06/26/26 19:53	156-60-5	
Dichlorofluoromethane	**<99.3**	ug/kg	676	99.3	1	06/26/26 09:54	06/26/26 19:53	75-43-4	
1,2-Dichloropropane	**<20.6**	ug/kg	67.6	20.6	1	06/26/26 09:54	06/26/26 19:53	78-87-5	
1,3-Dichloropropane	**<21.4**	ug/kg	67.6	21.4	1	06/26/26 09:54	06/26/26 19:53	142-28-9	
2,2-Dichloropropane	**<29.6**	ug/kg	271	29.6	1	06/26/26 09:54	06/26/26 19:53	594-20-7	
1,1-Dichloropropene	**<17.3**	ug/kg	67.6	17.3	1	06/26/26 09:54	06/26/26 19:53	563-58-6	
cis-1,3-Dichloropropene	**<23.0**	ug/kg	67.6	23.0	1	06/26/26 09:54	06/26/26 19:53	10061-01-5	
trans-1,3-Dichloropropene	**<21.1**	ug/kg	67.6	21.1	1	06/26/26 09:54	06/26/26 19:53	10061-02-6	
Diethyl ether (Ethyl ether)	**<46.7**	ug/kg	271	46.7	1	06/26/26 09:54	06/26/26 19:53	60-29-7	
Ethylbenzene	**<22.7**	ug/kg	67.6	22.7	1	06/26/26 09:54	06/26/26 19:53	100-41-4	
Hexachloro-1,3-butadiene	**<42.1**	ug/kg	338	42.1	1	06/26/26 09:54	06/26/26 19:53	87-68-3	
Isopropylbenzene (Cumene)	**<16.9**	ug/kg	67.6	16.9	1	06/26/26 09:54	06/26/26 19:53	98-82-8	
p-Isopropyltoluene	**<17.7**	ug/kg	67.6	17.7	1	06/26/26 09:54	06/26/26 19:53	99-87-6	
Methylene Chloride	**<134**	ug/kg	271	134	1	06/26/26 09:54	06/26/26 19:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<131**	ug/kg	338	131	1	06/26/26 09:54	06/26/26 19:53	108-10-1	
Methyl-tert-butyl ether	**<19.7**	ug/kg	67.6	19.7	1	06/26/26 09:54	06/26/26 19:53	1634-04-4	
Naphthalene	**30.1J**	ug/kg	271	27.1	1	06/26/26 09:54	06/26/26 19:53	91-20-3	
n-Propylbenzene	**<16.9**	ug/kg	67.6	16.9	1	06/26/26 09:54	06/26/26 19:53	103-65-1	
Styrene	**<21.8**	ug/kg	67.6	21.8	1	06/26/26 09:54	06/26/26 19:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<22.9**	ug/kg	67.6	22.9	1	06/26/26 09:54	06/26/26 19:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<17.4**	ug/kg	67.6	17.4	1	06/26/26 09:54	06/26/26 19:53	79-34-5	
Tetrachloroethene	**<23.5**	ug/kg	67.6	23.5	1	06/26/26 09:54	06/26/26 19:53	127-18-4	
Tetrahydrofuran	**<506**	ug/kg	2710	506	1	06/26/26 09:54	06/26/26 19:53	109-99-9	
Toluene	**<27.1**	ug/kg	67.6	27.1	1	06/26/26 09:54	06/26/26 19:53	108-88-3	
1,2,3-Trichlorobenzene	**<21.1**	ug/kg	67.6	21.1	1	06/26/26 09:54	06/26/26 19:53	87-61-6	
1,2,4-Trichlorobenzene	**<21.9**	ug/kg	67.6	21.9	1	06/26/26 09:54	06/26/26 19:53	120-82-1	
1,1,1-Trichloroethane	**<21.2**	ug/kg	67.6	21.2	1	06/26/26 09:54	06/26/26 19:53	71-55-6	
1,1,2-Trichloroethane	**<20.4**	ug/kg	67.6	20.4	1	06/26/26 09:54	06/26/26 19:53	79-00-5	
Trichloroethene	**<18.3**	ug/kg	67.6	18.3	1	06/26/26 09:54	06/26/26 19:53	79-01-6	
Trichlorofluoromethane	**<79.4**	ug/kg	271	79.4	1	06/26/26 09:54	06/26/26 19:53	75-69-4	
1,2,3-Trichloropropane	**<23.5**	ug/kg	271	23.5	1	06/26/26 09:54	06/26/26 19:53	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<27.5**	ug/kg	271	27.5	1	06/26/26 09:54	06/26/26 19:53	76-13-1	
1,2,4-Trimethylbenzene	**<19.6**	ug/kg	67.6	19.6	1	06/26/26 09:54	06/26/26 19:53	95-63-6	
1,3,5-Trimethylbenzene	**<18.9**	ug/kg	67.6	18.9	1	06/26/26 09:54	06/26/26 19:53	108-67-8	
Vinyl chloride	**<12.5**	ug/kg	27.1	12.5	1	06/26/26 09:54	06/26/26 19:53	75-01-4	L2,v2
Xylene (Total)	**<38.4**	ug/kg	203	38.4	1	06/26/26 09:54	06/26/26 19:53	1330-20-7	
m&p-Xylene	**<38.4**	ug/kg	135	38.4	1	06/26/26 09:54	06/26/26 19:53	179601-23-1	
o-Xylene	**<21.1**	ug/kg	67.6	21.1	1	06/26/26 09:54	06/26/26 19:53	95-47-6	
Surrogates									
Toluene-d8 (S)	106	%.	75-125		1	06/26/26 09:54	06/26/26 19:53	2037-26-5	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP78-1_0-1 **Lab ID: 10777061002** Collected: 06/12/26 13:50 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	103	%.	75-125		1	06/26/26 09:54	06/26/26 19:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/26/26 09:54	06/26/26 19:53	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-COMP-11_0-1.7 **Lab ID: 10777061003** Collected: 06/12/26 11:48 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.0**	ug/kg	52.5	13.0	1	06/18/26 15:21	06/19/26 16:39	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.4**	ug/kg	52.5	14.4	1	06/18/26 15:21	06/19/26 16:39	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.9**	ug/kg	52.5	16.9	1	06/18/26 15:21	06/19/26 16:39	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.2**	ug/kg	52.5	19.2	1	06/18/26 15:21	06/19/26 16:39	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.0**	ug/kg	52.5	16.0	1	06/18/26 15:21	06/19/26 16:39	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.7**	ug/kg	52.5	17.7	1	06/18/26 15:21	06/19/26 16:39	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.4**	ug/kg	52.5	15.4	1	06/18/26 15:21	06/19/26 16:39	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	93	%.	30-125		1	06/18/26 15:21	06/19/26 16:39	877-09-8	
Decachlorobiphenyl (S)	96	%.	30-125		1	06/18/26 15:21	06/19/26 16:39	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**11.7**	mg/kg	1.0	0.17	1	06/23/26 13:27	06/24/26 15:46	7440-38-2	
Barium	**46.7**	mg/kg	0.51	0.077	1	06/23/26 13:27	06/24/26 15:46	7440-39-3	
Cadmium	**0.32**	mg/kg	0.15	0.036	1	06/23/26 13:27	06/24/26 15:46	7440-43-9	
Chromium	**15.6**	mg/kg	0.51	0.15	1	06/23/26 13:27	06/24/26 15:46	7440-47-3	
Lead	**19.9**	mg/kg	0.51	0.23	1	06/23/26 13:27	06/24/26 15:46	7439-92-1	
Selenium	**0.72J**	mg/kg	1.0	0.45	1	06/23/26 13:27	06/24/26 15:46	7782-49-2	
Silver	**<0.041**	mg/kg	0.51	0.041	1	06/23/26 13:27	06/24/26 15:46	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.22**	mg/kg	0.019	0.0082	1	06/23/26 14:32	06/24/26 10:14	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**5.7**	%	0.10	0.10	1		06/26/26 10:51		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-COMP-11_0-1.7 **Lab ID: 10777061003** Collected: 06/12/26 11:48 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**2.5J**	ug/kg	10.6	1.2	1	06/18/26 11:24	06/22/26 19:31	83-32-9	
Acenaphthylene	**6.3J**	ug/kg	10.6	1.9	1	06/18/26 11:24	06/22/26 19:31	208-96-8	
Anthracene	**22.0**	ug/kg	10.6	1.2	1	06/18/26 11:24	06/22/26 19:31	120-12-7	
Benzo(a)anthracene	**48.0**	ug/kg	10.6	2.0	1	06/18/26 11:24	06/22/26 19:31	56-55-3	
Benzo(a)pyrene	**95.6**	ug/kg	10.6	1.8	1	06/18/26 11:24	06/22/26 19:31	50-32-8	
Benzo(b)fluoranthene	**227**	ug/kg	10.6	2.5	1	06/18/26 11:24	06/22/26 19:31	205-99-2	
Benzo(g,h,i)perylene	**494**	ug/kg	10.6	2.4	1	06/18/26 11:24	06/22/26 19:31	191-24-2	
Benzo(k)fluoranthene	**84.0**	ug/kg	10.6	1.4	1	06/18/26 11:24	06/22/26 19:31	207-08-9	
Chrysene	**64.5**	ug/kg	10.6	1.4	1	06/18/26 11:24	06/22/26 19:31	218-01-9	
Dibenz(a,h)anthracene	**76.8**	ug/kg	10.6	1.5	1	06/18/26 11:24	06/22/26 19:31	53-70-3	
Fluoranthene	**52.4**	ug/kg	10.6	2.8	1	06/18/26 11:24	06/22/26 19:31	206-44-0	
Fluorene	**2.8J**	ug/kg	10.6	1.2	1	06/18/26 11:24	06/22/26 19:31	86-73-7	
Indeno(1,2,3-cd)pyrene	**435**	ug/kg	10.6	2.2	1	06/18/26 11:24	06/22/26 19:31	193-39-5	
Naphthalene	**110**	ug/kg	10.6	3.8	1	06/18/26 11:24	06/22/26 19:31	91-20-3	
Phenanthrene	**91.3**	ug/kg	10.6	2.3	1	06/18/26 11:24	06/22/26 19:31	85-01-8	
Pyrene	**49.5**	ug/kg	10.6	2.2	1	06/18/26 11:24	06/22/26 19:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%.	61-125		1	06/18/26 11:24	06/22/26 19:31	321-60-8	
p-Terphenyl-d14 (S)	85	%.	61-125		1	06/18/26 11:24	06/22/26 19:31	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP73-1_0-1.7 **Lab ID: 10777061004** Collected: 06/12/26 11:40 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**150**	mg/kg	11.4	3.2	1	06/18/26 12:12	06/24/26 20:14		T6
Surrogates									
n-Triacontane (S)	105	%.	50-150		1	06/18/26 12:12	06/24/26 20:14		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**6.7J**	mg/kg	14.2	3.5	1	06/27/26 14:21	06/29/26 01:40		G2,GO
Surrogates									
a,a,a-Trifluorotoluene (S)	94	%.	80-200		1	06/27/26 14:21	06/29/26 01:40	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.8**	mg/kg	0.98	0.16	1	07/08/26 09:10	07/08/26 15:37	7440-38-2	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**4.5**	%	0.10	0.10	1		06/26/26 10:51		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<423**	ug/kg	1320	423	1	06/26/26 09:54	06/26/26 19:37	67-64-1	
Allyl chloride	**<116**	ug/kg	263	116	1	06/26/26 09:54	06/26/26 19:37	107-05-1	
Benzene	**553**	ug/kg	26.3	8.9	1	06/26/26 09:54	06/26/26 19:37	71-43-2	
Bromobenzene	**<22.8**	ug/kg	65.8	22.8	1	06/26/26 09:54	06/26/26 19:37	108-86-1	
Bromochloromethane	**<20.8**	ug/kg	65.8	20.8	1	06/26/26 09:54	06/26/26 19:37	74-97-5	
Bromodichloromethane	**<26.9**	ug/kg	65.8	26.9	1	06/26/26 09:54	06/26/26 19:37	75-27-4	
Bromoform	**<126**	ug/kg	263	126	1	06/26/26 09:54	06/26/26 19:37	75-25-2	
Bromomethane	**<229**	ug/kg	658	229	1	06/26/26 09:54	06/26/26 19:37	74-83-9	
2-Butanone (MEK)	**<154**	ug/kg	329	154	1	06/26/26 09:54	06/26/26 19:37	78-93-3	
n-Butylbenzene	**75.9**	ug/kg	65.8	23.0	1	06/26/26 09:54	06/26/26 19:37	104-51-8	
sec-Butylbenzene	**90.1**	ug/kg	65.8	17.0	1	06/26/26 09:54	06/26/26 19:37	135-98-8	
tert-Butylbenzene	**<19.3**	ug/kg	65.8	19.3	1	06/26/26 09:54	06/26/26 19:37	98-06-6	
Carbon tetrachloride	**<24.1**	ug/kg	65.8	24.1	1	06/26/26 09:54	06/26/26 19:37	56-23-5	
Chlorobenzene	**<19.2**	ug/kg	65.8	19.2	1	06/26/26 09:54	06/26/26 19:37	108-90-7	
Chloroethane	**<182**	ug/kg	658	182	1	06/26/26 09:54	06/26/26 19:37	75-00-3	
Chloroform	**<25.4**	ug/kg	65.8	25.4	1	06/26/26 09:54	06/26/26 19:37	67-66-3	
Chloromethane	**<40.5**	ug/kg	263	40.5	1	06/26/26 09:54	06/26/26 19:37	74-87-3	
2-Chlorotoluene	**<18.7**	ug/kg	65.8	18.7	1	06/26/26 09:54	06/26/26 19:37	95-49-8	
4-Chlorotoluene	**<19.6**	ug/kg	65.8	19.6	1	06/26/26 09:54	06/26/26 19:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<110**	ug/kg	658	110	1	06/26/26 09:54	06/26/26 19:37	96-12-8	
Dibromochloromethane	**<65.2**	ug/kg	263	65.2	1	06/26/26 09:54	06/26/26 19:37	124-48-1	
1,2-Dibromoethane (EDB)	**<21.1**	ug/kg	65.8	21.1	1	06/26/26 09:54	06/26/26 19:37	106-93-4	
Dibromomethane	**<26.9**	ug/kg	65.8	26.9	1	06/26/26 09:54	06/26/26 19:37	74-95-3	
1,2-Dichlorobenzene	**<19.2**	ug/kg	65.8	19.2	1	06/26/26 09:54	06/26/26 19:37	95-50-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP73-1_0-1.7 **Lab ID: 10777061004** Collected: 06/12/26 11:40 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3-Dichlorobenzene	**<17.6**	ug/kg	65.8	17.6	1	06/26/26 09:54	06/26/26 19:37	541-73-1	
1,4-Dichlorobenzene	**<17.4**	ug/kg	65.8	17.4	1	06/26/26 09:54	06/26/26 19:37	106-46-7	
Dichlorodifluoromethane	**<35.1**	ug/kg	263	35.1	1	06/26/26 09:54	06/26/26 19:37	75-71-8	
1,1-Dichloroethane	**<18.2**	ug/kg	65.8	18.2	1	06/26/26 09:54	06/26/26 19:37	75-34-3	
1,2-Dichloroethane	**<18.3**	ug/kg	65.8	18.3	1	06/26/26 09:54	06/26/26 19:37	107-06-2	
1,1-Dichloroethene	**<17.5**	ug/kg	65.8	17.5	1	06/26/26 09:54	06/26/26 19:37	75-35-4	
cis-1,2-Dichloroethene	**<19.9**	ug/kg	65.8	19.9	1	06/26/26 09:54	06/26/26 19:37	156-59-2	
trans-1,2-Dichloroethene	**<17.5**	ug/kg	65.8	17.5	1	06/26/26 09:54	06/26/26 19:37	156-60-5	
Dichlorofluoromethane	**<96.6**	ug/kg	658	96.6	1	06/26/26 09:54	06/26/26 19:37	75-43-4	
1,2-Dichloropropane	**<20.0**	ug/kg	65.8	20.0	1	06/26/26 09:54	06/26/26 19:37	78-87-5	
1,3-Dichloropropane	**<20.8**	ug/kg	65.8	20.8	1	06/26/26 09:54	06/26/26 19:37	142-28-9	
2,2-Dichloropropane	**<28.8**	ug/kg	263	28.8	1	06/26/26 09:54	06/26/26 19:37	594-20-7	
1,1-Dichloropropene	**<16.8**	ug/kg	65.8	16.8	1	06/26/26 09:54	06/26/26 19:37	563-58-6	
cis-1,3-Dichloropropene	**<22.4**	ug/kg	65.8	22.4	1	06/26/26 09:54	06/26/26 19:37	10061-01-5	
trans-1,3-Dichloropropene	**<20.5**	ug/kg	65.8	20.5	1	06/26/26 09:54	06/26/26 19:37	10061-02-6	
Diethyl ether (Ethyl ether)	**<45.4**	ug/kg	263	45.4	1	06/26/26 09:54	06/26/26 19:37	60-29-7	
Ethylbenzene	**302**	ug/kg	65.8	22.1	1	06/26/26 09:54	06/26/26 19:37	100-41-4	
Hexachloro-1,3-butadiene	**<40.9**	ug/kg	329	40.9	1	06/26/26 09:54	06/26/26 19:37	87-68-3	
Isopropylbenzene (Cumene)	**209**	ug/kg	65.8	16.5	1	06/26/26 09:54	06/26/26 19:37	98-82-8	
p-Isopropyltoluene	**39.9J**	ug/kg	65.8	17.2	1	06/26/26 09:54	06/26/26 19:37	99-87-6	
Methylene Chloride	**<131**	ug/kg	263	131	1	06/26/26 09:54	06/26/26 19:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<127**	ug/kg	329	127	1	06/26/26 09:54	06/26/26 19:37	108-10-1	
Methyl-tert-butyl ether	**<19.2**	ug/kg	65.8	19.2	1	06/26/26 09:54	06/26/26 19:37	1634-04-4	
Naphthalene	**984**	ug/kg	263	26.3	1	06/26/26 09:54	06/26/26 19:37	91-20-3	
n-Propylbenzene	**226**	ug/kg	65.8	16.5	1	06/26/26 09:54	06/26/26 19:37	103-65-1	
Styrene	**<21.2**	ug/kg	65.8	21.2	1	06/26/26 09:54	06/26/26 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<22.2**	ug/kg	65.8	22.2	1	06/26/26 09:54	06/26/26 19:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<17.0**	ug/kg	65.8	17.0	1	06/26/26 09:54	06/26/26 19:37	79-34-5	
Tetrachloroethene	**101**	ug/kg	65.8	22.9	1	06/26/26 09:54	06/26/26 19:37	127-18-4	
Tetrahydrofuran	**<492**	ug/kg	2630	492	1	06/26/26 09:54	06/26/26 19:37	109-99-9	
Toluene	**1630**	ug/kg	65.8	26.3	1	06/26/26 09:54	06/26/26 19:37	108-88-3	
1,2,3-Trichlorobenzene	**<20.5**	ug/kg	65.8	20.5	1	06/26/26 09:54	06/26/26 19:37	87-61-6	
1,2,4-Trichlorobenzene	**<21.3**	ug/kg	65.8	21.3	1	06/26/26 09:54	06/26/26 19:37	120-82-1	
1,1,1-Trichloroethane	**<20.7**	ug/kg	65.8	20.7	1	06/26/26 09:54	06/26/26 19:37	71-55-6	
1,1,2-Trichloroethane	**<19.9**	ug/kg	65.8	19.9	1	06/26/26 09:54	06/26/26 19:37	79-00-5	
Trichloroethene	**<17.8**	ug/kg	65.8	17.8	1	06/26/26 09:54	06/26/26 19:37	79-01-6	
Trichlorofluoromethane	**<77.3**	ug/kg	263	77.3	1	06/26/26 09:54	06/26/26 19:37	75-69-4	
1,2,3-Trichloropropane	**<22.9**	ug/kg	263	22.9	1	06/26/26 09:54	06/26/26 19:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<26.7**	ug/kg	263	26.7	1	06/26/26 09:54	06/26/26 19:37	76-13-1	
1,2,4-Trimethylbenzene	**459**	ug/kg	65.8	19.1	1	06/26/26 09:54	06/26/26 19:37	95-63-6	
1,3,5-Trimethylbenzene	**99.4**	ug/kg	65.8	18.4	1	06/26/26 09:54	06/26/26 19:37	108-67-8	
Vinyl chloride	**<12.1**	ug/kg	26.3	12.1	1	06/26/26 09:54	06/26/26 19:37	75-01-4	L2,v2
Xylene (Total)	**1840**	ug/kg	197	37.4	1	06/26/26 09:54	06/26/26 19:37	1330-20-7	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP73-1_0-1.7 **Lab ID: 10777061004** Collected: 06/12/26 11:40 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
m&p-Xylene	**988**	ug/kg	132	37.4	1	06/26/26 09:54	06/26/26 19:37	179601-23-1	
o-Xylene	**853**	ug/kg	65.8	20.5	1	06/26/26 09:54	06/26/26 19:37	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%.	75-125		1	06/26/26 09:54	06/26/26 19:37	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125		1	06/26/26 09:54	06/26/26 19:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/26/26 09:54	06/26/26 19:37	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP70-1_0-1.5 **Lab ID: 10777061005** Collected: 06/12/26 10:10 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**37.3**	mg/kg	11.8	3.3	1	06/18/26 12:14	06/23/26 21:22		B,T6
Surrogates									
n-Triacontane (S)	127	%.	50-150		1	06/18/26 12:14	06/23/26 21:22		CH
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**6.9**	%	0.10	0.10	1		06/26/26 10:51		N2
8260D MSV UST	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Benzene	**470**	ug/kg	36.2	12.2	1	06/23/26 13:57	06/24/26 08:12	71-43-2	
Ethylbenzene	**817**	ug/kg	90.5	30.4	1	06/23/26 13:57	06/24/26 08:12	100-41-4	
Methyl-tert-butyl ether	**<26.4**	ug/kg	90.5	26.4	1	06/23/26 13:57	06/24/26 08:12	1634-04-4	
Naphthalene	**4560**	ug/kg	362	36.2	1	06/23/26 13:57	06/24/26 08:12	91-20-3	
Toluene	**3050**	ug/kg	90.5	36.2	1	06/23/26 13:57	06/24/26 08:12	108-88-3	
1,2,4-Trimethylbenzene	**2230**	ug/kg	90.5	26.2	1	06/23/26 13:57	06/24/26 08:12	95-63-6	
1,3,5-Trimethylbenzene	**499**	ug/kg	90.5	25.3	1	06/23/26 13:57	06/24/26 08:12	108-67-8	
Xylene (Total)	**7260**	ug/kg	271	51.4	1	06/23/26 13:57	06/24/26 08:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/23/26 13:57	06/24/26 08:12	460-00-4	
Toluene-d8 (S)	101	%.	75-125		1	06/23/26 13:57	06/24/26 08:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/23/26 13:57	06/24/26 08:12	2199-69-1	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP71-1_0-1 **Lab ID: 10777061006** Collected: 06/12/26 10:22 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.7**	ug/kg	51.4	12.7	1	06/18/26 15:21	06/19/26 16:55	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.1**	ug/kg	51.4	14.1	1	06/18/26 15:21	06/19/26 16:55	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.5**	ug/kg	51.4	16.5	1	06/18/26 15:21	06/19/26 16:55	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.8**	ug/kg	51.4	18.8	1	06/18/26 15:21	06/19/26 16:55	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.6**	ug/kg	51.4	15.6	1	06/18/26 15:21	06/19/26 16:55	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.4**	ug/kg	51.4	17.4	1	06/18/26 15:21	06/19/26 16:55	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.1**	ug/kg	51.4	15.1	1	06/18/26 15:21	06/19/26 16:55	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	82	%.	30-125		1	06/18/26 15:21	06/19/26 16:55	877-09-8	
Decachlorobiphenyl (S)	83	%.	30-125		1	06/18/26 15:21	06/19/26 16:55	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**29.7**	mg/kg	9.7	2.7	1	06/18/26 12:14	06/23/26 21:15		B,T6
Surrogates									
n-Triacontane (S)	92	%.	50-150		1	06/18/26 12:14	06/23/26 21:15		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**22.0**	mg/kg	13.5	3.3	1	06/27/26 14:21	06/29/26 01:18		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	94	%.	80-200		1	06/27/26 14:21	06/29/26 01:18	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**4.9**	mg/kg	1.0	0.17	1	06/23/26 13:27	06/24/26 15:47	7440-38-2	
Barium	**35.1**	mg/kg	0.52	0.078	1	06/23/26 13:27	06/24/26 15:47	7440-39-3	
Cadmium	**0.76**	mg/kg	0.16	0.037	1	06/23/26 13:27	06/24/26 15:47	7440-43-9	
Chromium	**12.7**	mg/kg	0.52	0.16	1	06/23/26 13:27	06/24/26 15:47	7440-47-3	
Lead	**50.8**	mg/kg	0.52	0.24	1	06/23/26 13:27	06/24/26 15:47	7439-92-1	
Selenium	**0.51J**	mg/kg	1.0	0.46	1	06/23/26 13:27	06/24/26 15:47	7782-49-2	
Silver	**<0.042**	mg/kg	0.52	0.042	1	06/23/26 13:27	06/24/26 15:47	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.24**	mg/kg	0.018	0.0079	1	06/23/26 14:32	06/24/26 10:15	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**6.4**	%	0.10	0.10	1		06/26/26 10:51		N2

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP71-1_0-1 **Lab ID: 10777061006** Collected: 06/12/26 10:22 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**3.2J**	ug/kg	10.2	1.1	1	06/18/26 11:24	06/22/26 19:54	83-32-9	
Acenaphthylene	**21.8**	ug/kg	10.2	1.8	1	06/18/26 11:24	06/22/26 19:54	208-96-8	
Anthracene	**26.8**	ug/kg	10.2	1.2	1	06/18/26 11:24	06/22/26 19:54	120-12-7	
Benzo(a)anthracene	**58.9**	ug/kg	10.2	1.9	1	06/18/26 11:24	06/22/26 19:54	56-55-3	
Benzo(a)pyrene	**74.5**	ug/kg	10.2	1.7	1	06/18/26 11:24	06/22/26 19:54	50-32-8	
Benzo(b)fluoranthene	**105**	ug/kg	10.2	2.4	1	06/18/26 11:24	06/22/26 19:54	205-99-2	
Benzo(g,h,i)perylene	**69.8**	ug/kg	10.2	2.3	1	06/18/26 11:24	06/22/26 19:54	191-24-2	
Benzo(k)fluoranthene	**48.3**	ug/kg	10.2	1.3	1	06/18/26 11:24	06/22/26 19:54	207-08-9	
Chrysene	**73.8**	ug/kg	10.2	1.3	1	06/18/26 11:24	06/22/26 19:54	218-01-9	
Dibenz(a,h)anthracene	**19.5**	ug/kg	10.2	1.4	1	06/18/26 11:24	06/22/26 19:54	53-70-3	
Fluoranthene	**85.9**	ug/kg	10.2	2.6	1	06/18/26 11:24	06/22/26 19:54	206-44-0	
Fluorene	**3.4J**	ug/kg	10.2	1.1	1	06/18/26 11:24	06/22/26 19:54	86-73-7	
Indeno(1,2,3-cd)pyrene	**71.2**	ug/kg	10.2	2.1	1	06/18/26 11:24	06/22/26 19:54	193-39-5	
Naphthalene	**140**	ug/kg	10.2	3.6	1	06/18/26 11:24	06/22/26 19:54	91-20-3	
Phenanthrene	**95.1**	ug/kg	10.2	2.2	1	06/18/26 11:24	06/22/26 19:54	85-01-8	
Pyrene	**79.0**	ug/kg	10.2	2.1	1	06/18/26 11:24	06/22/26 19:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%.	61-125		1	06/18/26 11:24	06/22/26 19:54	321-60-8	
p-Terphenyl-d14 (S)	84	%.	61-125		1	06/18/26 11:24	06/22/26 19:54	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<414**	ug/kg	1290	414	1	06/26/26 09:54	06/26/26 19:20	67-64-1	
Allyl chloride	**<114**	ug/kg	258	114	1	06/26/26 09:54	06/26/26 19:20	107-05-1	
Benzene	**132**	ug/kg	25.8	8.7	1	06/26/26 09:54	06/26/26 19:20	71-43-2	
Bromobenzene	**<22.3**	ug/kg	64.5	22.3	1	06/26/26 09:54	06/26/26 19:20	108-86-1	
Bromochloromethane	**<20.4**	ug/kg	64.5	20.4	1	06/26/26 09:54	06/26/26 19:20	74-97-5	
Bromodichloromethane	**<26.3**	ug/kg	64.5	26.3	1	06/26/26 09:54	06/26/26 19:20	75-27-4	
Bromoform	**<123**	ug/kg	258	123	1	06/26/26 09:54	06/26/26 19:20	75-25-2	
Bromomethane	**<225**	ug/kg	645	225	1	06/26/26 09:54	06/26/26 19:20	74-83-9	
2-Butanone (MEK)	**<151**	ug/kg	323	151	1	06/26/26 09:54	06/26/26 19:20	78-93-3	
n-Butylbenzene	**87.0**	ug/kg	64.5	22.6	1	06/26/26 09:54	06/26/26 19:20	104-51-8	
sec-Butylbenzene	**61.0J**	ug/kg	64.5	16.7	1	06/26/26 09:54	06/26/26 19:20	135-98-8	
tert-Butylbenzene	**<19.0**	ug/kg	64.5	19.0	1	06/26/26 09:54	06/26/26 19:20	98-06-6	
Carbon tetrachloride	**<23.6**	ug/kg	64.5	23.6	1	06/26/26 09:54	06/26/26 19:20	56-23-5	
Chlorobenzene	**<18.8**	ug/kg	64.5	18.8	1	06/26/26 09:54	06/26/26 19:20	108-90-7	
Chloroethane	**<178**	ug/kg	645	178	1	06/26/26 09:54	06/26/26 19:20	75-00-3	
Chloroform	**<24.9**	ug/kg	64.5	24.9	1	06/26/26 09:54	06/26/26 19:20	67-66-3	
Chloromethane	**<39.8**	ug/kg	258	39.8	1	06/26/26 09:54	06/26/26 19:20	74-87-3	
2-Chlorotoluene	**<18.3**	ug/kg	64.5	18.3	1	06/26/26 09:54	06/26/26 19:20	95-49-8	
4-Chlorotoluene	**<19.2**	ug/kg	64.5	19.2	1	06/26/26 09:54	06/26/26 19:20	106-43-4	
1,2-Dibromo-3-chloropropane	**<108**	ug/kg	645	108	1	06/26/26 09:54	06/26/26 19:20	96-12-8	
Dibromochloromethane	**<63.9**	ug/kg	258	63.9	1	06/26/26 09:54	06/26/26 19:20	124-48-1	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP71-1_0-1 **Lab ID: 10777061006** Collected: 06/12/26 10:22 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<20.7**	ug/kg	64.5	20.7	1	06/26/26 09:54	06/26/26 19:20	106-93-4	
Dibromomethane	**<26.3**	ug/kg	64.5	26.3	1	06/26/26 09:54	06/26/26 19:20	74-95-3	
1,2-Dichlorobenzene	**<18.8**	ug/kg	64.5	18.8	1	06/26/26 09:54	06/26/26 19:20	95-50-1	
1,3-Dichlorobenzene	**<17.3**	ug/kg	64.5	17.3	1	06/26/26 09:54	06/26/26 19:20	541-73-1	
1,4-Dichlorobenzene	**<17.0**	ug/kg	64.5	17.0	1	06/26/26 09:54	06/26/26 19:20	106-46-7	
Dichlorodifluoromethane	**<34.5**	ug/kg	258	34.5	1	06/26/26 09:54	06/26/26 19:20	75-71-8	
1,1-Dichloroethane	**<17.8**	ug/kg	64.5	17.8	1	06/26/26 09:54	06/26/26 19:20	75-34-3	
1,2-Dichloroethane	**<17.9**	ug/kg	64.5	17.9	1	06/26/26 09:54	06/26/26 19:20	107-06-2	
1,1-Dichloroethene	**<17.2**	ug/kg	64.5	17.2	1	06/26/26 09:54	06/26/26 19:20	75-35-4	
cis-1,2-Dichloroethene	**<19.5**	ug/kg	64.5	19.5	1	06/26/26 09:54	06/26/26 19:20	156-59-2	
trans-1,2-Dichloroethene	**<17.2**	ug/kg	64.5	17.2	1	06/26/26 09:54	06/26/26 19:20	156-60-5	
Dichlorofluoromethane	**<94.8**	ug/kg	645	94.8	1	06/26/26 09:54	06/26/26 19:20	75-43-4	
1,2-Dichloropropane	**<19.6**	ug/kg	64.5	19.6	1	06/26/26 09:54	06/26/26 19:20	78-87-5	
1,3-Dichloropropane	**<20.4**	ug/kg	64.5	20.4	1	06/26/26 09:54	06/26/26 19:20	142-28-9	
2,2-Dichloropropane	**<28.3**	ug/kg	258	28.3	1	06/26/26 09:54	06/26/26 19:20	594-20-7	
1,1-Dichloropropene	**<16.5**	ug/kg	64.5	16.5	1	06/26/26 09:54	06/26/26 19:20	563-58-6	
cis-1,3-Dichloropropene	**<21.9**	ug/kg	64.5	21.9	1	06/26/26 09:54	06/26/26 19:20	10061-01-5	
trans-1,3-Dichloropropene	**<20.1**	ug/kg	64.5	20.1	1	06/26/26 09:54	06/26/26 19:20	10061-02-6	
Diethyl ether (Ethyl ether)	**<44.5**	ug/kg	258	44.5	1	06/26/26 09:54	06/26/26 19:20	60-29-7	
Ethylbenzene	**192**	ug/kg	64.5	21.7	1	06/26/26 09:54	06/26/26 19:20	100-41-4	
Hexachloro-1,3-butadiene	**<40.1**	ug/kg	323	40.1	1	06/26/26 09:54	06/26/26 19:20	87-68-3	
Isopropylbenzene (Cumene)	**160**	ug/kg	64.5	16.1	1	06/26/26 09:54	06/26/26 19:20	98-82-8	
p-Isopropyltoluene	**56.8J**	ug/kg	64.5	16.9	1	06/26/26 09:54	06/26/26 19:20	99-87-6	
Methylene Chloride	**<128**	ug/kg	258	128	1	06/26/26 09:54	06/26/26 19:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<125**	ug/kg	323	125	1	06/26/26 09:54	06/26/26 19:20	108-10-1	
Methyl-tert-butyl ether	**<18.8**	ug/kg	64.5	18.8	1	06/26/26 09:54	06/26/26 19:20	1634-04-4	
Naphthalene	**1190**	ug/kg	258	25.8	1	06/26/26 09:54	06/26/26 19:20	91-20-3	
n-Propylbenzene	**157**	ug/kg	64.5	16.1	1	06/26/26 09:54	06/26/26 19:20	103-65-1	
Styrene	**<20.8**	ug/kg	64.5	20.8	1	06/26/26 09:54	06/26/26 19:20	100-42-5	
1,1,1,2-Tetrachloroethane	**<21.8**	ug/kg	64.5	21.8	1	06/26/26 09:54	06/26/26 19:20	630-20-6	
1,1,2,2-Tetrachloroethane	**<16.7**	ug/kg	64.5	16.7	1	06/26/26 09:54	06/26/26 19:20	79-34-5	
Tetrachloroethene	**3530**	ug/kg	64.5	22.5	1	06/26/26 09:54	06/26/26 19:20	127-18-4	
Tetrahydrofuran	**<483**	ug/kg	2580	483	1	06/26/26 09:54	06/26/26 19:20	109-99-9	
Toluene	**803**	ug/kg	64.5	25.8	1	06/26/26 09:54	06/26/26 19:20	108-88-3	
1,2,3-Trichlorobenzene	**<20.1**	ug/kg	64.5	20.1	1	06/26/26 09:54	06/26/26 19:20	87-61-6	
1,2,4-Trichlorobenzene	**<20.9**	ug/kg	64.5	20.9	1	06/26/26 09:54	06/26/26 19:20	120-82-1	
1,1,1-Trichloroethane	**<20.3**	ug/kg	64.5	20.3	1	06/26/26 09:54	06/26/26 19:20	71-55-6	
1,1,2-Trichloroethane	**<19.5**	ug/kg	64.5	19.5	1	06/26/26 09:54	06/26/26 19:20	79-00-5	
Trichloroethene	**<17.4**	ug/kg	64.5	17.4	1	06/26/26 09:54	06/26/26 19:20	79-01-6	
Trichlorofluoromethane	**<75.8**	ug/kg	258	75.8	1	06/26/26 09:54	06/26/26 19:20	75-69-4	
1,2,3-Trichloropropane	**<22.5**	ug/kg	258	22.5	1	06/26/26 09:54	06/26/26 19:20	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<26.2**	ug/kg	258	26.2	1	06/26/26 09:54	06/26/26 19:20	76-13-1	
1,2,4-Trimethylbenzene	**634**	ug/kg	64.5	18.7	1	06/26/26 09:54	06/26/26 19:20	95-63-6	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP71-1_0-1 **Lab ID: 10777061006** Collected: 06/12/26 10:22 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**150**	ug/kg	64.5	18.1	1	06/26/26 09:54	06/26/26 19:20	108-67-8	
Vinyl chloride	**<11.9**	ug/kg	25.8	11.9	1	06/26/26 09:54	06/26/26 19:20	75-01-4	L2,v2
Xylene (Total)	**1850**	ug/kg	194	36.7	1	06/26/26 09:54	06/26/26 19:20	1330-20-7	
m&p-Xylene	**968**	ug/kg	129	36.7	1	06/26/26 09:54	06/26/26 19:20	179601-23-1	
o-Xylene	**880**	ug/kg	64.5	20.1	1	06/26/26 09:54	06/26/26 19:20	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%.	75-125		1	06/26/26 09:54	06/26/26 19:20	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/26/26 09:54	06/26/26 19:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/26/26 09:54	06/26/26 19:20	2199-69-1	

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP72-1_0-1.7 **Lab ID: 10777061009** Collected: 06/12/26 11:47 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.7**	mg/kg	0.95	0.16	1	07/08/26 09:10	07/08/26 15:46	7440-38-2	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP74-1_0-1.7 **Lab ID: 10777061010** Collected: 06/12/26 11:51 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**12.1**	mg/kg	0.94	0.16	1	07/08/26 09:10	07/08/26 15:48	7440-38-2	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: C-TP75-1 **Lab ID: 10777061011** Collected: 06/12/26 11:35 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**7.0**	mg/kg	0.95	0.16	1	07/08/26 09:10	07/08/26 15:49	7440-38-2	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: Trip Blank-04 **Lab ID: 10777061012** Collected: 06/12/26 10:10 Received: 06/15/26 07:56 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.4**	mg/kg	10.0	2.4	1	06/27/26 14:21	06/29/26 00:57		
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%.	80-200		1	06/27/26 14:21	06/29/26 00:57	98-08-8	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<321**	ug/kg	1000	321	1	06/26/26 09:54	06/26/26 15:42	67-64-1	
Allyl chloride	**<88.2**	ug/kg	200	88.2	1	06/26/26 09:54	06/26/26 15:42	107-05-1	
Benzene	**<6.7**	ug/kg	20.0	6.7	1	06/26/26 09:54	06/26/26 15:42	71-43-2	
Bromobenzene	**<17.3**	ug/kg	50.0	17.3	1	06/26/26 09:54	06/26/26 15:42	108-86-1	
Bromochloromethane	**<15.8**	ug/kg	50.0	15.8	1	06/26/26 09:54	06/26/26 15:42	74-97-5	
Bromodichloromethane	**<20.4**	ug/kg	50.0	20.4	1	06/26/26 09:54	06/26/26 15:42	75-27-4	
Bromoform	**<95.5**	ug/kg	200	95.5	1	06/26/26 09:54	06/26/26 15:42	75-25-2	
Bromomethane	**<174**	ug/kg	500	174	1	06/26/26 09:54	06/26/26 15:42	74-83-9	
2-Butanone (MEK)	**<117**	ug/kg	250	117	1	06/26/26 09:54	06/26/26 15:42	78-93-3	
n-Butylbenzene	**<17.5**	ug/kg	50.0	17.5	1	06/26/26 09:54	06/26/26 15:42	104-51-8	
sec-Butylbenzene	**<12.9**	ug/kg	50.0	12.9	1	06/26/26 09:54	06/26/26 15:42	135-98-8	
tert-Butylbenzene	**<14.7**	ug/kg	50.0	14.7	1	06/26/26 09:54	06/26/26 15:42	98-06-6	
Carbon tetrachloride	**<18.3**	ug/kg	50.0	18.3	1	06/26/26 09:54	06/26/26 15:42	56-23-5	
Chlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/26/26 09:54	06/26/26 15:42	108-90-7	
Chloroethane	**<138**	ug/kg	500	138	1	06/26/26 09:54	06/26/26 15:42	75-00-3	
Chloroform	**<19.3**	ug/kg	50.0	19.3	1	06/26/26 09:54	06/26/26 15:42	67-66-3	
Chloromethane	**<30.8**	ug/kg	200	30.8	1	06/26/26 09:54	06/26/26 15:42	74-87-3	
2-Chlorotoluene	**<14.2**	ug/kg	50.0	14.2	1	06/26/26 09:54	06/26/26 15:42	95-49-8	
4-Chlorotoluene	**<14.9**	ug/kg	50.0	14.9	1	06/26/26 09:54	06/26/26 15:42	106-43-4	
1,2-Dibromo-3-chloropropane	**<83.3**	ug/kg	500	83.3	1	06/26/26 09:54	06/26/26 15:42	96-12-8	
Dibromochloromethane	**<49.5**	ug/kg	200	49.5	1	06/26/26 09:54	06/26/26 15:42	124-48-1	
1,2-Dibromoethane (EDB)	**<16.0**	ug/kg	50.0	16.0	1	06/26/26 09:54	06/26/26 15:42	106-93-4	
Dibromomethane	**<20.4**	ug/kg	50.0	20.4	1	06/26/26 09:54	06/26/26 15:42	74-95-3	
1,2-Dichlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/26/26 09:54	06/26/26 15:42	95-50-1	
1,3-Dichlorobenzene	**<13.4**	ug/kg	50.0	13.4	1	06/26/26 09:54	06/26/26 15:42	541-73-1	
1,4-Dichlorobenzene	**<13.2**	ug/kg	50.0	13.2	1	06/26/26 09:54	06/26/26 15:42	106-46-7	
Dichlorodifluoromethane	**<26.7**	ug/kg	200	26.7	1	06/26/26 09:54	06/26/26 15:42	75-71-8	
1,1-Dichloroethane	**<13.8**	ug/kg	50.0	13.8	1	06/26/26 09:54	06/26/26 15:42	75-34-3	
1,2-Dichloroethane	**<13.9**	ug/kg	50.0	13.9	1	06/26/26 09:54	06/26/26 15:42	107-06-2	
1,1-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/26/26 09:54	06/26/26 15:42	75-35-4	
cis-1,2-Dichloroethene	**<15.1**	ug/kg	50.0	15.1	1	06/26/26 09:54	06/26/26 15:42	156-59-2	
trans-1,2-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/26/26 09:54	06/26/26 15:42	156-60-5	
Dichlorofluoromethane	**<73.4**	ug/kg	500	73.4	1	06/26/26 09:54	06/26/26 15:42	75-43-4	
1,2-Dichloropropane	**<15.2**	ug/kg	50.0	15.2	1	06/26/26 09:54	06/26/26 15:42	78-87-5	
1,3-Dichloropropane	**<15.8**	ug/kg	50.0	15.8	1	06/26/26 09:54	06/26/26 15:42	142-28-9	
2,2-Dichloropropane	**<21.9**	ug/kg	200	21.9	1	06/26/26 09:54	06/26/26 15:42	594-20-7	
1,1-Dichloropropene	**<12.8**	ug/kg	50.0	12.8	1	06/26/26 09:54	06/26/26 15:42	563-58-6	
cis-1,3-Dichloropropene	**<17.0**	ug/kg	50.0	17.0	1	06/26/26 09:54	06/26/26 15:42	10061-01-5	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Sample: Trip Blank-04 **Lab ID: 10777061012** Collected: 06/12/26 10:10 Received: 06/15/26 07:56 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
trans-1,3-Dichloropropene	**<15.6**	ug/kg	50.0	15.6	1	06/26/26 09:54	06/26/26 15:42	10061-02-6	
Diethyl ether (Ethyl ether)	**<34.5**	ug/kg	200	34.5	1	06/26/26 09:54	06/26/26 15:42	60-29-7	
Ethylbenzene	**<16.8**	ug/kg	50.0	16.8	1	06/26/26 09:54	06/26/26 15:42	100-41-4	
Hexachloro-1,3-butadiene	**<31.1**	ug/kg	250	31.1	1	06/26/26 09:54	06/26/26 15:42	87-68-3	
Isopropylbenzene (Cumene)	**<12.5**	ug/kg	50.0	12.5	1	06/26/26 09:54	06/26/26 15:42	98-82-8	
p-Isopropyltoluene	**<13.1**	ug/kg	50.0	13.1	1	06/26/26 09:54	06/26/26 15:42	99-87-6	
Methylene Chloride	**<99.3**	ug/kg	200	99.3	1	06/26/26 09:54	06/26/26 15:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<96.6**	ug/kg	250	96.6	1	06/26/26 09:54	06/26/26 15:42	108-10-1	
Methyl-tert-butyl ether	**<14.6**	ug/kg	50.0	14.6	1	06/26/26 09:54	06/26/26 15:42	1634-04-4	
Naphthalene	**<20.0**	ug/kg	200	20.0	1	06/26/26 09:54	06/26/26 15:42	91-20-3	
n-Propylbenzene	**<12.5**	ug/kg	50.0	12.5	1	06/26/26 09:54	06/26/26 15:42	103-65-1	
Styrene	**<16.1**	ug/kg	50.0	16.1	1	06/26/26 09:54	06/26/26 15:42	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.9**	ug/kg	50.0	16.9	1	06/26/26 09:54	06/26/26 15:42	630-20-6	
1,1,2,2-Tetrachloroethane	**<12.9**	ug/kg	50.0	12.9	1	06/26/26 09:54	06/26/26 15:42	79-34-5	
Tetrachloroethene	**<17.4**	ug/kg	50.0	17.4	1	06/26/26 09:54	06/26/26 15:42	127-18-4	
Tetrahydrofuran	**<374**	ug/kg	2000	374	1	06/26/26 09:54	06/26/26 15:42	109-99-9	
Toluene	**<20.0**	ug/kg	50.0	20.0	1	06/26/26 09:54	06/26/26 15:42	108-88-3	
1,2,3-Trichlorobenzene	**<15.6**	ug/kg	50.0	15.6	1	06/26/26 09:54	06/26/26 15:42	87-61-6	
1,2,4-Trichlorobenzene	**<16.2**	ug/kg	50.0	16.2	1	06/26/26 09:54	06/26/26 15:42	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	50.0	15.7	1	06/26/26 09:54	06/26/26 15:42	71-55-6	
1,1,2-Trichloroethane	**<15.1**	ug/kg	50.0	15.1	1	06/26/26 09:54	06/26/26 15:42	79-00-5	
Trichloroethene	**<13.5**	ug/kg	50.0	13.5	1	06/26/26 09:54	06/26/26 15:42	79-01-6	
Trichlorofluoromethane	**<58.7**	ug/kg	200	58.7	1	06/26/26 09:54	06/26/26 15:42	75-69-4	
1,2,3-Trichloropropane	**<17.4**	ug/kg	200	17.4	1	06/26/26 09:54	06/26/26 15:42	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<20.3**	ug/kg	200	20.3	1	06/26/26 09:54	06/26/26 15:42	76-13-1	
1,2,4-Trimethylbenzene	**<14.5**	ug/kg	50.0	14.5	1	06/26/26 09:54	06/26/26 15:42	95-63-6	
1,3,5-Trimethylbenzene	**<14.0**	ug/kg	50.0	14.0	1	06/26/26 09:54	06/26/26 15:42	108-67-8	
Vinyl chloride	**<9.2**	ug/kg	20.0	9.2	1	06/26/26 09:54	06/26/26 15:42	75-01-4	L2,v2
Xylene (Total)	**<28.4**	ug/kg	150	28.4	1	06/26/26 09:54	06/26/26 15:42	1330-20-7	
m&p-Xylene	**<28.4**	ug/kg	100	28.4	1	06/26/26 09:54	06/26/26 15:42	179601-23-1	
o-Xylene	**<15.6**	ug/kg	50.0	15.6	1	06/26/26 09:54	06/26/26 15:42	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%.	75-125		1	06/26/26 09:54	06/26/26 15:42	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/26/26 09:54	06/26/26 15:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/26/26 09:54	06/26/26 15:42	2199-69-1	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch	1072632	Analysis Method:	WI MOD GRO
QC Batch Method:	EPA 5030 Medium Soil	Analysis Description:	WIGRO Solid GCV
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061002, 10777061004, 10777061006, 10777061012

METHOD BLANK: 5574814 Matrix: Solid

Associated Lab Samples: 10777061002, 10777061004, 10777061006, 10777061012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.4	10.0	2.4	06/28/26 18:49	
a,a,a-Trifluorotoluene (S)	%.	90	80-200		06/28/26 18:49	

LABORATORY CONTROL SAMPLE & LCSD: 5574815 5574816

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	55.9	55.2	112	110	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%.				98	95	80-200			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch: 1071108
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061001, 10777061003, 10777061006

METHOD BLANK: 5566558 Matrix: Solid

Associated Lab Samples: 10777061001, 10777061003, 10777061006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.0080	0.018	0.0080	06/24/26 09:29	

LABORATORY CONTROL SAMPLE: 5566559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.44	0.47	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5566560 5566561

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.040	0.45	0.46	0.50	0.50	102	98	80-120	1	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch: 1071101
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061001, 10777061003, 10777061006

METHOD BLANK: 5566500 Matrix: Solid

Associated Lab Samples: 10777061001, 10777061003, 10777061006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.16	0.96	0.16	06/24/26 14:37	
Barium	mg/kg	0.10J	0.48	0.071	06/24/26 14:37	
Cadmium	mg/kg	<0.034	0.14	0.034	06/24/26 14:37	
Chromium	mg/kg	<0.14	0.48	0.14	06/24/26 14:37	
Lead	mg/kg	<0.22	0.48	0.22	06/24/26 14:37	
Selenium	mg/kg	<0.42	0.96	0.42	06/24/26 14:37	
Silver	mg/kg	<0.038	0.48	0.038	06/24/26 14:37	

LABORATORY CONTROL SAMPLE: 5566501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	47.8	47.2	99	80-120	
Barium	mg/kg	47.8	50.9	106	80-120	
Cadmium	mg/kg	47.8	47.8	100	80-120	
Chromium	mg/kg	47.8	50.4	105	80-120	
Lead	mg/kg	47.8	47.7	100	80-120	
Selenium	mg/kg	47.8	43.8	91	80-120	
Silver	mg/kg	23.9	22.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5566502 5566503

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	3.3	50.7	49.2	47.1	44.9	86	85	75-125	5	20	
Barium	mg/kg	33.5	50.7	49.2	89.9	79.8	111	94	75-125	12	20	
Cadmium	mg/kg	0.64	50.7	49.2	44.8	43.6	87	87	75-125	3	20	
Chromium	mg/kg	17.1	50.7	49.2	66.9	62.3	98	92	75-125	7	20	
Lead	mg/kg	27.4	50.7	49.2	64.9	63.1	74	73	75-125	3	20	M1
Selenium	mg/kg	0.76J	50.7	49.2	38.6	35.9	75	71	75-125	7	20	M1
Silver	mg/kg	1.4	25.4	24.7	23.5	23.5	87	90	75-125	0	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch: 1073896
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061004, 10777061009, 10777061010, 10777061011

5

METHOD BLANK: 5580587 Matrix: Solid

Associated Lab Samples: 10777061004, 10777061009, 10777061010, 10777061011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.15	0.94	0.15	07/08/26 15:30	

LABORATORY CONTROL SAMPLE: 5580588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	48.5	45.9	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5580589 5580590

Parameter	Units	10777061004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	2.8	48.3	49.3	47.1	51.9	92	100	75-125	10	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch	1072262	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight / %M by ASTM D2974
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061001, 10777061002, 10777061003, 10777061004, 10777061005, 10777061006

SAMPLE DUPLICATE: 5572347

Parameter	Units	10777844001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.2	17.2	6	30	N2

SAMPLE DUPLICATE: 5573674

Parameter	Units	10776395004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	88.3	88.1	0	30	N2

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch	1072468	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260D MSV 5030 Med Level
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061002, 10777061004, 10777061006, 10777061012

METHOD BLANK: 5573576 Matrix: Solid

Associated Lab Samples: 10777061002, 10777061004, 10777061006, 10777061012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<16.9	50.0	16.9	06/26/26 15:25	
1,1,1-Trichloroethane	ug/kg	<15.7	50.0	15.7	06/26/26 15:25	
1,1,2,2-Tetrachloroethane	ug/kg	<12.9	50.0	12.9	06/26/26 15:25	
1,1,2-Trichloroethane	ug/kg	<15.1	50.0	15.1	06/26/26 15:25	
1,1,2-Trichlorotrifluoroethane	ug/kg	<20.3	200	20.3	06/26/26 15:25	
1,1-Dichloroethane	ug/kg	<13.8	50.0	13.8	06/26/26 15:25	
1,1-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/26/26 15:25	
1,1-Dichloropropene	ug/kg	<12.8	50.0	12.8	06/26/26 15:25	
1,2,3-Trichlorobenzene	ug/kg	<15.6	50.0	15.6	06/26/26 15:25	
1,2,3-Trichloropropane	ug/kg	<17.4	200	17.4	06/26/26 15:25	
1,2,4-Trichlorobenzene	ug/kg	<16.2	50.0	16.2	06/26/26 15:25	
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/26/26 15:25	
1,2-Dibromo-3-chloropropane	ug/kg	<83.3	500	83.3	06/26/26 15:25	
1,2-Dibromoethane (EDB)	ug/kg	<16.0	50.0	16.0	06/26/26 15:25	
1,2-Dichlorobenzene	ug/kg	<14.6	50.0	14.6	06/26/26 15:25	
1,2-Dichloroethane	ug/kg	<13.9	50.0	13.9	06/26/26 15:25	
1,2-Dichloropropane	ug/kg	<15.2	50.0	15.2	06/26/26 15:25	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/26/26 15:25	
1,3-Dichlorobenzene	ug/kg	<13.4	50.0	13.4	06/26/26 15:25	
1,3-Dichloropropane	ug/kg	<15.8	50.0	15.8	06/26/26 15:25	
1,4-Dichlorobenzene	ug/kg	<13.2	50.0	13.2	06/26/26 15:25	
2,2-Dichloropropane	ug/kg	<21.9	200	21.9	06/26/26 15:25	
2-Butanone (MEK)	ug/kg	<117	250	117	06/26/26 15:25	
2-Chlorotoluene	ug/kg	<14.2	50.0	14.2	06/26/26 15:25	
4-Chlorotoluene	ug/kg	<14.9	50.0	14.9	06/26/26 15:25	
4-Methyl-2-pentanone (MIBK)	ug/kg	<96.6	250	96.6	06/26/26 15:25	
Acetone	ug/kg	<321	1000	321	06/26/26 15:25	
Allyl chloride	ug/kg	<88.2	200	88.2	06/26/26 15:25	
Benzene	ug/kg	<6.7	20.0	6.7	06/26/26 15:25	
Bromobenzene	ug/kg	<17.3	50.0	17.3	06/26/26 15:25	
Bromochloromethane	ug/kg	<15.8	50.0	15.8	06/26/26 15:25	
Bromodichloromethane	ug/kg	<20.4	50.0	20.4	06/26/26 15:25	
Bromoform	ug/kg	<95.5	200	95.5	06/26/26 15:25	
Bromomethane	ug/kg	<174	500	174	06/26/26 15:25	
Carbon tetrachloride	ug/kg	<18.3	50.0	18.3	06/26/26 15:25	
Chlorobenzene	ug/kg	<14.6	50.0	14.6	06/26/26 15:25	
Chloroethane	ug/kg	<138	500	138	06/26/26 15:25	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

METHOD BLANK: 5573576 Matrix: Solid

Associated Lab Samples: 10777061002, 10777061004, 10777061006, 10777061012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	ug/kg	<19.3	50.0	19.3	06/26/26 15:25	
Chloromethane	ug/kg	<30.8	200	30.8	06/26/26 15:25	
cis-1,2-Dichloroethene	ug/kg	<15.1	50.0	15.1	06/26/26 15:25	
cis-1,3-Dichloropropene	ug/kg	<17.0	50.0	17.0	06/26/26 15:25	
Dibromochloromethane	ug/kg	<49.5	200	49.5	06/26/26 15:25	
Dibromomethane	ug/kg	<20.4	50.0	20.4	06/26/26 15:25	
Dichlorodifluoromethane	ug/kg	<26.7	200	26.7	06/26/26 15:25	
Dichlorofluoromethane	ug/kg	<73.4	500	73.4	06/26/26 15:25	
Diethyl ether (Ethyl ether)	ug/kg	<34.5	200	34.5	06/26/26 15:25	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/26/26 15:25	
Hexachloro-1,3-butadiene	ug/kg	<31.1	250	31.1	06/26/26 15:25	
Isopropylbenzene (Cumene)	ug/kg	<12.5	50.0	12.5	06/26/26 15:25	
m&p-Xylene	ug/kg	<28.4	100	28.4	06/26/26 15:25	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/26/26 15:25	
Methylene Chloride	ug/kg	<99.3	200	99.3	06/26/26 15:25	
n-Butylbenzene	ug/kg	<17.5	50.0	17.5	06/26/26 15:25	
n-Propylbenzene	ug/kg	<12.5	50.0	12.5	06/26/26 15:25	
Naphthalene	ug/kg	<20.0	200	20.0	06/26/26 15:25	
o-Xylene	ug/kg	<15.6	50.0	15.6	06/26/26 15:25	
p-Isopropyltoluene	ug/kg	<13.1	50.0	13.1	06/26/26 15:25	
sec-Butylbenzene	ug/kg	<12.9	50.0	12.9	06/26/26 15:25	
Styrene	ug/kg	<16.1	50.0	16.1	06/26/26 15:25	
tert-Butylbenzene	ug/kg	<14.7	50.0	14.7	06/26/26 15:25	
Tetrachloroethene	ug/kg	<17.4	50.0	17.4	06/26/26 15:25	
Tetrahydrofuran	ug/kg	<374	2000	374	06/26/26 15:25	
Toluene	ug/kg	<20.0	50.0	20.0	06/26/26 15:25	
trans-1,2-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/26/26 15:25	
trans-1,3-Dichloropropene	ug/kg	<15.6	50.0	15.6	06/26/26 15:25	
Trichloroethene	ug/kg	<13.5	50.0	13.5	06/26/26 15:25	
Trichlorofluoromethane	ug/kg	<58.7	200	58.7	06/26/26 15:25	
Vinyl chloride	ug/kg	<9.2	20.0	9.2	06/26/26 15:25	v2
Xylene (Total)	ug/kg	<28.4	150	28.4	06/26/26 15:25	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		06/26/26 15:25	
4-Bromofluorobenzene (S)	%.	103	75-125		06/26/26 15:25	
Toluene-d8 (S)	%.	106	75-125		06/26/26 15:25	

LABORATORY CONTROL SAMPLE & LCSD: 5573577 5573578

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	983	1030	98	103	69-133	5	20	
1,1,1-Trichloroethane	ug/kg	1000	1130	1160	113	116	75-135	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	928	907	93	91	67-125	2	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

LABORATORY CONTROL SAMPLE & LCSD:		5573577		5573578						
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/kg	1000	985	981	99	98	75-125	0	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1170	1170	117	117	73-140	0	20	
1,1-Dichloroethane	ug/kg	1000	1090	1080	109	108	75-129	1	20	
1,1-Dichloroethene	ug/kg	1000	1100	1130	110	113	75-129	2	20	
1,1-Dichloropropene	ug/kg	1000	1140	1140	114	114	75-131	0	20	
1,2,3-Trichlorobenzene	ug/kg	1000	923	923	92	92	73-128	0	20	
1,2,3-Trichloropropane	ug/kg	1000	1030	967	103	97	75-125	7	20	
1,2,4-Trichlorobenzene	ug/kg	1000	988	985	99	99	74-128	0	20	
1,2,4-Trimethylbenzene	ug/kg	1000	986	972	99	97	75-125	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	923	923	92	92	62-128	0	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	951	976	95	98	75-125	3	20	
1,2-Dichlorobenzene	ug/kg	1000	974	956	97	96	72-125	2	20	
1,2-Dichloroethane	ug/kg	1000	1090	1080	109	108	75-133	1	20	
1,2-Dichloropropane	ug/kg	1000	1100	1070	110	107	75-132	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	971	954	97	95	75-125	2	20	
1,3-Dichlorobenzene	ug/kg	1000	1010	984	101	98	75-125	3	20	
1,3-Dichloropropane	ug/kg	1000	979	995	98	99	75-125	2	20	
1,4-Dichlorobenzene	ug/kg	1000	999	974	100	97	75-125	2	20	
2,2-Dichloropropane	ug/kg	1000	1180	1200	118	120	66-134	2	20	
2-Butanone (MEK)	ug/kg	5000	5710	5330	114	107	65-138	7	20	
2-Chlorotoluene	ug/kg	1000	990	984	99	98	75-125	1	20	
4-Chlorotoluene	ug/kg	1000	968	959	97	96	75-128	1	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	5040	4840	101	97	75-130	4	20	
Acetone	ug/kg	5000	5940	5830	119	117	68-136	2	20	
Allyl chloride	ug/kg	1000	1080	1090	108	109	75-130	1	20	
Benzene	ug/kg	1000	1080	1070	108	107	75-133	1	20	
Bromobenzene	ug/kg	1000	951	928	95	93	75-125	3	20	
Bromochloromethane	ug/kg	1000	1120	1140	112	114	75-131	1	20	
Bromodichloromethane	ug/kg	1000	967	991	97	99	72-137	2	20	
Bromoform	ug/kg	1000	938	958	94	96	65-130	2	20	
Bromomethane	ug/kg	1000	1080	998	108	100	48-150	8	20	
Carbon tetrachloride	ug/kg	1000	1010	1060	101	106	68-141	5	20	
Chlorobenzene	ug/kg	1000	1010	1010	101	101	75-125	0	20	
Chloroethane	ug/kg	1000	925	966	93	97	53-150	4	20	
Chloroform	ug/kg	1000	1080	1110	108	111	75-131	2	20	
Chloromethane	ug/kg	1000	776	769	78	77	72-137	1	20	
cis-1,2-Dichloroethene	ug/kg	1000	1060	1070	106	107	75-128	1	20	
cis-1,3-Dichloropropene	ug/kg	1000	1110	1090	111	109	75-127	1	20	
Dibromochloromethane	ug/kg	1000	930	931	93	93	59-135	0	20	
Dibromomethane	ug/kg	1000	1130	1130	113	113	75-128	0	20	
Dichlorodifluoromethane	ug/kg	1000	931	916	93	92	63-150	2	20	
Dichlorofluoromethane	ug/kg	1000	994	1010	99	101	72-136	2	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	1070	1050	107	105	75-131	1	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

LABORATORY CONTROL SAMPLE & LCSD:		5573577		5573578						
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/kg	1000	1020	1020	102	102	75-125	1	20	
Hexachloro-1,3-butadiene	ug/kg	1000	998	928	100	93	66-134	7	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1010	1020	101	102	75-125	1	20	
m&p-Xylene	ug/kg	2000	2030	2050	101	102	75-125	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1100	1100	110	110	75-133	1	20	
Methylene Chloride	ug/kg	1000	1040	1020	104	102	75-125	3	20	
n-Butylbenzene	ug/kg	1000	955	930	96	93	71-127	3	20	
n-Propylbenzene	ug/kg	1000	987	963	99	96	75-125	2	20	
Naphthalene	ug/kg	1000	981	958	98	96	75-125	2	20	
o-Xylene	ug/kg	1000	1010	1010	101	101	75-125	0	20	
p-Isopropyltoluene	ug/kg	1000	1010	979	101	98	75-125	3	20	
sec-Butylbenzene	ug/kg	1000	971	974	97	97	75-125	0	20	
Styrene	ug/kg	1000	1040	1030	104	103	75-125	1	20	
tert-Butylbenzene	ug/kg	1000	981	974	98	97	75-126	1	20	
Tetrachloroethene	ug/kg	1000	999	1020	100	102	75-126	2	20	
Tetrahydrofuran	ug/kg	5000	5680	5690	114	114	71-135	0	20	
Toluene	ug/kg	1000	1090	1070	109	107	75-125	2	20	
trans-1,2-Dichloroethene	ug/kg	1000	1060	1080	106	108	75-130	2	20	
trans-1,3-Dichloropropene	ug/kg	1000	954	968	95	97	73-125	1	20	
Trichloroethene	ug/kg	1000	1100	1090	110	109	73-146	0	20	
Trichlorofluoromethane	ug/kg	1000	1000	968	100	97	66-149	3	20	
Vinyl chloride	ug/kg	1000	703	666	70	67	75-138	5	20	L2,v2
Xylene (Total)	ug/kg	3000	3040	3060	101	102	75-125	0	20	
1,2-Dichlorobenzene-d4 (S)	%.				101	99	75-125			
4-Bromofluorobenzene (S)	%.				102	103	75-125			
Toluene-d8 (S)	%.				105	106	75-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch: 1071763
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV UST
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061005

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METHOD BLANK: 5569915 Matrix: Solid

Associated Lab Samples: 10777061005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/24/26 07:22	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/24/26 07:22	
Benzene	ug/kg	<6.7	20.0	6.7	06/24/26 07:22	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/24/26 07:22	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/24/26 07:22	
Naphthalene	ug/kg	<20.0	200	20.0	06/24/26 07:22	
Toluene	ug/kg	<20.0	50.0	20.0	06/24/26 07:22	
Xylene (Total)	ug/kg	<28.4	150	28.4	06/24/26 07:22	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		06/24/26 07:22	
4-Bromofluorobenzene (S)	%.	102	75-125		06/24/26 07:22	
Toluene-d8 (S)	%.	99	75-125		06/24/26 07:22	

LABORATORY CONTROL SAMPLE & LCSD: 5569916 5569917

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1070	1060	107	106	75-125	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1050	107	105	75-125	2	20	
Benzene	ug/kg	1000	1090	1060	109	106	75-133	3	20	
Ethylbenzene	ug/kg	1000	1100	1070	110	107	75-125	2	20	
Methyl-tert-butyl ether	ug/kg	1000	1100	1090	110	109	75-133	1	20	
Naphthalene	ug/kg	1000	1080	1070	108	107	75-125	1	20	
Toluene	ug/kg	1000	1070	1040	107	104	75-125	2	20	
Xylene (Total)	ug/kg	3000	3240	3160	108	105	75-125	3	20	
1,2-Dichlorobenzene-d4 (S)	%.				99	100	75-125			
4-Bromofluorobenzene (S)	%.				101	101	75-125			
Toluene-d8 (S)	%.				100	101	75-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch: 1071000
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061001, 10777061003, 10777061006

METHOD BLANK: 5565910 Matrix: Solid

Associated Lab Samples: 10777061001, 10777061003, 10777061006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.4	50.0	12.4	06/19/26 11:18	
PCB-1221 (Aroclor 1221)	ug/kg	<13.7	50.0	13.7	06/19/26 11:18	
PCB-1232 (Aroclor 1232)	ug/kg	<16.1	50.0	16.1	06/19/26 11:18	
PCB-1242 (Aroclor 1242)	ug/kg	<18.3	50.0	18.3	06/19/26 11:18	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	15.2	06/19/26 11:18	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9	50.0	16.9	06/19/26 11:18	
PCB-1260 (Aroclor 1260)	ug/kg	<14.7	50.0	14.7	06/19/26 11:18	
Decachlorobiphenyl (S)	%.	101	30-125		06/19/26 11:18	
Tetrachloro-m-xylene (S)	%.	97	30-125		06/19/26 11:18	

LABORATORY CONTROL SAMPLE: 5565911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	1150	115	69-125	
PCB-1260 (Aroclor 1260)	ug/kg	1000	1170	117	69-125	
Decachlorobiphenyl (S)	%.			118	30-125	
Tetrachloro-m-xylene (S)	%.			116	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565912 5565913

Parameter	Units	10777060008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<13.1	1030	1030	1010	1280	98	124	33-128	23	30	
PCB-1260 (Aroclor 1260)	ug/kg	<15.5	1030	1030	1050	1370	101	133	30-131	27	30	M1
Decachlorobiphenyl (S)	%.						86	119	30-125			
Tetrachloro-m-xylene (S)	%.						95	122	30-125			

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch: 1071006
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061001, 10777061003, 10777061006

METHOD BLANK: 5565966 Matrix: Solid

Associated Lab Samples: 10777061001, 10777061003, 10777061006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/19/26 12:48	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/19/26 12:48	
Anthracene	ug/kg	<1.2	10.0	1.2	06/19/26 12:48	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/19/26 12:48	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/19/26 12:48	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/19/26 12:48	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/19/26 12:48	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/19/26 12:48	
Chrysene	ug/kg	<1.3	10.0	1.3	06/19/26 12:48	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/19/26 12:48	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/19/26 12:48	
Fluorene	ug/kg	<1.1	10.0	1.1	06/19/26 12:48	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/19/26 12:48	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/19/26 12:48	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/19/26 12:48	
Pyrene	ug/kg	<2.1	10.0	2.1	06/19/26 12:48	
2-Fluorobiphenyl (S)	%.	80	61-125		06/19/26 12:48	
p-Terphenyl-d14 (S)	%.	95	61-125		06/19/26 12:48	

LABORATORY CONTROL SAMPLE: 5565967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	76.7	77	50-125	
Acenaphthylene	ug/kg	100	75.5	75	53-125	
Anthracene	ug/kg	100	86.6	87	58-125	
Benzo(a)anthracene	ug/kg	100	72.8	73	60-125	
Benzo(a)pyrene	ug/kg	100	84.0	84	64-125	
Benzo(b)fluoranthene	ug/kg	100	73.3	73	60-125	
Benzo(g,h,i)perylene	ug/kg	100	85.0	85	59-125	
Benzo(k)fluoranthene	ug/kg	100	94.2	94	62-125	
Chrysene	ug/kg	100	79.4	79	64-125	
Dibenz(a,h)anthracene	ug/kg	100	91.4	91	62-125	
Fluoranthene	ug/kg	100	78.5	79	62-125	
Fluorene	ug/kg	100	72.3	72	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	82.6	83	58-125	
Naphthalene	ug/kg	100	66.9	67	46-125	
Phenanthrene	ug/kg	100	68.4	68	59-125	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

LABORATORY CONTROL SAMPLE: 5565967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	85.5	86	59-125	
2-Fluorobiphenyl (S)	%.			75	61-125	
p-Terphenyl-d14 (S)	%.			87	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565968 5565969

Parameter	Units	10777485002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	0.0025J mg/kg	108	108	86.0	88.1	77	79	30-150	2	30	
Acenaphthylene	ug/kg	0.0069J mg/kg	108	108	89.2	91.7	76	78	30-138	3	30	
Anthracene	ug/kg	0.012 mg/kg	108	108	110	103	91	84	30-150	7	30	
Benzo(a)anthracene	ug/kg	0.020 mg/kg	108	108	93.7	101	68	75	30-150	8	30	
Benzo(a)pyrene	ug/kg	0.025 mg/kg	108	108	97.6	104	67	73	30-150	6	30	
Benzo(b)fluoranthene	ug/kg	0.047 mg/kg	108	108	107	119	56	67	30-150	11	30	
Benzo(g,h,i)perylene	ug/kg	0.032 mg/kg	108	108	84.1	92.6	48	56	30-150	10	30	
Benzo(k)fluoranthene	ug/kg	0.017 mg/kg	108	108	101	102	77	79	30-150	2	30	
Chrysene	ug/kg	0.031 mg/kg	108	108	99.0	102	63	65	30-150	3	30	
Dibenz(a,h)anthracene	ug/kg	0.011J mg/kg	108	108	84.3	95.3	68	78	30-150	12	30	
Fluoranthene	ug/kg	0.038 mg/kg	108	108	117	127	73	83	30-150	9	30	
Fluorene	ug/kg	0.0026J mg/kg	108	108	81.9	84.5	73	76	30-150	3	30	
Indeno(1,2,3-cd)pyrene	ug/kg	0.030 mg/kg	108	108	91.5	99.4	57	64	30-150	8	30	
Naphthalene	ug/kg	0.053 mg/kg	108	108	84.2	87.8	28	32	30-150	4	30	M1
Phenanthrene	ug/kg	0.049 mg/kg	108	108	122	119	67	64	30-150	3	30	
Pyrene	ug/kg	0.033 mg/kg	108	108	103	105	64	66	30-150	3	30	
2-Fluorobiphenyl (S)	%.						71	75	61-125			
p-Terphenyl-d14 (S)	%.						71	77	61-125			

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch	1071028	Analysis Method:	WI MOD DRO
QC Batch Method:	WI MOD DRO	Analysis Description:	WIDRO GCS
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061002, 10777061004

METHOD BLANK: 5566125 Matrix: Solid

Associated Lab Samples: 10777061002, 10777061004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
WDRO C10-C28	mg/kg	3.8J	10.0	2.8	06/24/26 18:49	
n-Triacontane (S)	%.	131	50-150		06/24/26 18:49	

LABORATORY CONTROL SAMPLE & LCSD: 5566126 5566127

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	80	70.1	74.0	88	93	70-120	5	20	
n-Triacontane (S)	%.				110	114	50-150			

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1700 Elm Street
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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

QC Batch: 1071029
QC Batch Method: WI MOD DRO
Analysis Method: WI MOD DRO
Analysis Description: WIDRO GCS
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777061005, 10777061006

METHOD BLANK: 5566128 Matrix: Solid

Associated Lab Samples: 10777061005, 10777061006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
WDRO C10-C28	mg/kg	3.7J	10.0	2.8	06/23/26 19:57	
n-Triacontane (S)	%.	122	50-150		06/23/26 19:57	CH

LABORATORY CONTROL SAMPLE & LCSD: 5566129 5566130

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	80	73.1	89.6	91	112	70-120	20	20	
n-Triacontane (S)	%.				116	144	50-150			CH

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

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 adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 1072119
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072604
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072687
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
G-	Early peaks present outside the GRO window.
G2	The sample weight in the container did not meet method specifications.
GO	Early and late peaks present outside the GRO window.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
T6	High boiling point hydrocarbons are present in the sample.
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.

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777061

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10777061001	**C-COMP-12_0-1**	EPA 3546	1071000	EPA 8082A	1071240
10777061003	**C-COMP-11_0-1.7**	EPA 3546	1071000	EPA 8082A	1071240
10777061006	**C-TP71-1_0-1**	EPA 3546	1071000	EPA 8082A	1071240
10777061002	**C-TP78-1_0-1**	WI MOD DRO	1071028	WI MOD DRO	1072123
10777061004	**C-TP73-1_0-1.7**	WI MOD DRO	1071028	WI MOD DRO	1072123
10777061005	**C-TP70-1_0-1.5**	WI MOD DRO	1071029	WI MOD DRO	1071925
10777061006	**C-TP71-1_0-1**	WI MOD DRO	1071029	WI MOD DRO	1071925
10777061002	**C-TP78-1_0-1**	EPA 5030 Medium Soil	1072632	WI MOD GRO	1072687
10777061004	**C-TP73-1_0-1.7**	EPA 5030 Medium Soil	1072632	WI MOD GRO	1072687
10777061006	**C-TP71-1_0-1**	EPA 5030 Medium Soil	1072632	WI MOD GRO	1072687
10777061012	**Trip Blank-04**	EPA 5030 Medium Soil	1072632	WI MOD GRO	1072687
10777061001	**C-COMP-12_0-1**	EPA 3050B	1071101	EPA 6010D	1071850
10777061003	**C-COMP-11_0-1.7**	EPA 3050B	1071101	EPA 6010D	1071850
10777061006	**C-TP71-1_0-1**	EPA 3050B	1071101	EPA 6010D	1071850
10777061004	**C-TP73-1_0-1.7**	EPA 3050B	1073896	EPA 6010D	1074337
10777061009	**C-TP72-1_0-1.7**	EPA 3050B	1073896	EPA 6010D	1074337
10777061010	**C-TP74-1_0-1.7**	EPA 3050B	1073896	EPA 6010D	1074337
10777061011	**C-TP75-1**	EPA 3050B	1073896	EPA 6010D	1074337
10777061001	**C-COMP-12_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10777061003	**C-COMP-11_0-1.7**	EPA 7471B	1071108	EPA 7471B	1071863
10777061006	**C-TP71-1_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10777061001	**C-COMP-12_0-1**	ASTM D2974	1072262		
10777061002	**C-TP78-1_0-1**	ASTM D2974	1072262		
10777061003	**C-COMP-11_0-1.7**	ASTM D2974	1072262		
10777061004	**C-TP73-1_0-1.7**	ASTM D2974	1072262		
10777061005	**C-TP70-1_0-1.5**	ASTM D2974	1072262		
10777061006	**C-TP71-1_0-1**	ASTM D2974	1072262		
10777061001	**C-COMP-12_0-1**	EPA 3546	1071006	EPA 8270E by SIM	1071182
10777061003	**C-COMP-11_0-1.7**	EPA 3546	1071006	EPA 8270E by SIM	1071182
10777061006	**C-TP71-1_0-1**	EPA 3546	1071006	EPA 8270E by SIM	1071182
10777061002	**C-TP78-1_0-1**	EPA 5035/5030B	1072468	EPA 8260D	1072604
10777061004	**C-TP73-1_0-1.7**	EPA 5035/5030B	1072468	EPA 8260D	1072604
10777061006	**C-TP71-1_0-1**	EPA 5035/5030B	1072468	EPA 8260D	1072604
10777061012	**Trip Blank-04**	EPA 5035/5030B	1072468	EPA 8260D	1072604
10777061005	**C-TP70-1_0-1.5**	EPA 5035/5030B	1071763	EPA 8260D	1072119

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BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

COC Number: COC 1 of 2

WO# : 10777061

10777061

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

W = Unspecified, S = Soil/Solid, SD = Sediment, SQ = MeOH blank, OTH = Other (Oil, etc.)
G = $NaHSO_4$, H = $Na_2S_2O_3$, I = Ascorbic Acid, J = Zn Acetate, K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Water: SOIL - PVOCs	Water: SOIL - VOCs	Soil: DRO	Soil: GRO	Soil: RCRA Metals	Soil: PAHs	Soil: PCBs	Soil: % Solids	Preservative Code	Field Filtered Y/N	
																	F	F	A	F	A	A	A		
																	N	N	N	N	N	N	N		
1. C-COMP- 12	0	1	ft	06/12/2026	~~13:55~~	S	N	2					1	1	1	1									Elect shop drain - Conf
2. C-TP 78- 1	0	1	ft	06/12/2026	13:50	S	N	6			1	1	1			1									Elect shop drain- Conf
3. C-COMP- 11	0	1.7	ft	06/12/2026	11:46	S	N	2					1	1	1	1									Material mgmt - Conf
4. C-TP 73- 1	0	1.7	ft	06/12/2026	11:40	S	N	6			1	1	1			1									Material mgmt - Conf
5. C-TP 70 - 1	0	1.5	ft	06/12/2026	10:10	S	N	6		1		1				1									AST Hold PCB sample
6. C-TP 71 - 1	0	1.0	ft	06/12/2026	10:22	S	N	6			1	1	1	1	1	1									Transformer
7. C-TP 76 - 1	0	1	ft	06/12/2026	12:40	S	N	2																	Hold
8. C-TP 77- 1	0	1	ft	06/12/2026	12:36	S	N	2																	Hold
9. C-TP 72- 1	0	1.7	ft	06/12/2026	11:47	S	N																		Hold
10. C-TP 74- 1	0	1.7	ft	06/12/2026	11:51	S	N																		Hold

BARR USE ONLY	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Sampled by: JSP	[signature]	Y N	6/15/26	07:57	[signature] 3.3	6/15/26	0756
Barr Proj. Manager: Tristan Beaster	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen							
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____				Air Bill Number:	Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)	
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C): 3.3	Custody Seal Intact? ☐ Y ☐ N ☒ None				

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number:
COC 2 of 2

Matrix Code: GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water — SOIL - PVOCs	SOIL - VOCs	Soil — DRO	GRO	RCRA Metals	PAHs	PCBs	% Solids	Preservative Code	Field Filtered Y/N
									F	F	A	A	A	A	A			
									N	N	N	N	N	N	N			
1. C-TP75-1			ft	06/12/2026	11:55	S	N	2									Hold	
2. ~~TP~~ TripBlank-04				06/12/2026	10:10	S	N	2		1		1						
3. -TP-						S												
4. -TP-						S												
5. -TP-						S												
6. -TP-						S												
7. -TP-						S												
8. -TP-						S												
9. -TP-						S												
10. -TP-						S												

BARR USE ONLY	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Sampled by: JSP		☐ N	6/15/26	0756		6/15/26	0756
Barr Proj. Manager: Tristan Beaster	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen							
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____				Air Bill Number:	Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)	
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C):			Custody Seal Intact? ☐ Y ☐ N ☐ None		

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: AK 06/15/26 PROJECT #: **WO#: 10777061**

PM: CD3 Due Date: 06/29/26

CLIENT: BARR

Client Name: Barr Engineering

Custody Seal Present: ☐ YES ☒ NO Seals Intact: ☐ YES ☑ NO

Tracking Number: ☐ 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) ☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775) ☐ T9 (0428) ☒ 01339252 (0710)

Type of Ice: ☐ Blue ☐ Dry ☒ Wet ☐ Melted ☐ None

Temp Blank: ☒ YES ☐ NO

NOTE: Temp should be ≤ 6°C, but above freezing.

Read Temp w/Temp Blank: 3.3 °C

Correction Factor: True

Corrected Temp w/Temp Blank: 3.3 °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, 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? **NOTE:** < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☒	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? – Pace Containers Used?	☒ ☒	☐ ☐	☐	8.
Containers Intact?	☒	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other	☒	☐	☐	11. ☐ 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): 030426-3

CLIENT NOTIFICATION / RESOLUTION: Labeled By: _____ Line: _____

Person Contacted & Date/Time: _____ PM Review & Date: Craig D Douglas 06/15/2026

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.

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

COC Number: COC 1 of 2

WO#: 10777061

10777061

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.); G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Water: SOIL - PVOCs	Water: SOIL - VOCs	Soil: DRO	Soil: GRO	Soil: RCRA Metals	Soil: PAHs	Soil: PCBs	Soil: % Solids	
									F	F	A	F	A	A	A		Preservative Code
									N	N	N	N	N	N	N		Field Filtered Y/N
1. C-COMP- 12	0	1	ft	06/12/2026	13:55 ~~11:46~~	S	N	2					1	1	1	1	Elect shop drain - Conf
2. C-TP 78- 1	0	1	ft	06/12/2026	13:50	S	N	6		1	1	1				1	Elect shop drain- Conf
3. C-COMP- 11	0	1.7	ft	06/12/2026	11:46	S	N	2					1	1	1	1	Material mgmt - Conf
4. C-TP 73- 1	0	1.7	ft	06/12/2026	11:40	S	N	6		1	1	1				1	Material mgmt - Conf
5. C-TP 70- 1	0	1.5	ft	06/12/2026	10:10	S	N	6	1		1					1	AST Hold PCB sample
6. C-TP 71- 1	0	1.0	ft	06/12/2026	10:22	S	N	6		1	1	1	1	1	1	1	Transformer
7. C-TP 76- 1	0	1	ft	06/12/2026	12:40	S	N	2									Hold
8. C-TP 77- 1	0	1	ft	06/12/2026	12:36	S	N	2									Hold
9. C-TP 72- 1	0	1.7	ft	06/12/2026	11:47	S	N										Hold
10. C-TP 74- 1	0	1.7	ft	06/12/2026	11:51	S	N										Hold

BARR USE ONLY	Relinquished by:	On Ice?	Date	Time	Received by:	Date	Time
Sampled by: JSP		(Y) N	6/15/26	07:56	3.3	6/15/26	0756
Barr Proj. Manager: Tristan Beaster	Relinquished by:	On Ice?	Date	Time	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen		(Y) N	6/16/26	1055		6-16-26	1055
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____				Air Bill Number:		
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C): 3.3			Custody Seal Intact? ☐ Y ☐ N ☒ None		

Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number:
COC 2 of 2

Matrix Code:
GW = Groundwater
SW = Surface Water
DW = Drinking Water
PW = Pore Water
WW = Waste Water
WQ = TB, FB, EB, etc.
W = Unspecified
S = Soil/Solid
SD = Sediment
SQ = MeOH blank
OTH = Other (Oil, etc.)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
I = Ascorbic Acid
J = Zn Acetate
K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - PVOCs	SOIL - VOCs	Soil: DRO	GRO	RCRA Metals	PAHs	PCBs	% Solids	Preservative Code / Field Filtered Y/N
									F	F	A	F	A	A	A		
									N	N	N	N	N	N	N		
1. C-TP75-1			ft	06/12/2026	11:55	S	N	2									Hold
2. ~~TP~~ TripBlank-04				06/12/2026	10:10	~~S~~ WQ	N	2		1		1					
3. ~~TP~~ -						S											
4. ~~TP~~ -						S											
5. ~~TP~~ -						S											
6. ~~TP~~ -						S											
7. ~~TP~~ -						S											
8. ~~TP~~ -						S											
9. ~~TP~~ -						S											
10. ~~TP~~ -						S											

BARR USE ONLY	Relinquished by:	On Ice?	Date	Time	Received by:	Date	Time
Sampled by: JSP		☒ Y ☐ N	6/15/26	0756		6/15/26	0756
Barr Proj. Manager: Tristan Beaster	Relinquished by:	On Ice?	Date	Time	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen		☒ Y ☐ N	6/16/26	1055		6-16-26	1055
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____				Air Bill Number:		
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C):			Custody Seal Intact? ☐ Y ☐ N ☐ None		

Requested Due Date:
☒ Standard Turn Around Time
☐ Rush _____ (mm/dd/yyyy)

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: JSH 6/17/26 **PROJECT #:**

Place LIMS WO Label Here

10777061

Client Name: Barr Engineering

Custody Seal Present: ☑ YES ☐ NO **Seals Intact:** ☑ YES ☐ NO

Tracking Number: ☐ 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) ☐ T5 (0187) ☑ T6 (0396) ☐ T7 (0377) ☐ T8 (0775) ☐ T9 (0428) ☐ 01339252 (0710)

Type of Ice: ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None

Temp Blank: ☑ YES ☐ NO

NOTE: *Temp should be ≤ 6°C, but above freezing.*

Read Temp w/Temp Blank: 0.8 °C

Correction Factor: 0.0

Corrected Temp w/Temp Blank: 0.8 °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, 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? **NOTE:** < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☑	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? – Pace Containers Used?	☑ ☑	☐ ☐	☐	8.
Containers Intact?	☑	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☑ Soil ☐ Water ☐ Other	☑	☐	☐	11. ☐ 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) **EXCEPTIONS (water only):** VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐ ☐	☐ ☐	☑ ☑	☐ See Exceptions form ENV-FRM-MIN4-0142
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. no Pace custody seal, original c+G sealintact
Trip Blank Custody Seals Present?	☐	☑	☐	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION / RESOLUTION:

Labeled By: AGD **Line:** 4

Person Contacted & Date/Time: _____ **PM Review & Date:** Craig S Douglas 06/18/2026

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.*

8.1.2

8

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: AK 06/15/26 PROJECT #: **WO#: 10777061**

PM: CD3 Due Date: 06/29/26
CLIENT: BARR

Client Name: Barr Engineering
Custody Seal Present: ☐ YES ☒ NO Seals Intact: ☐ YES ☒ NO

Tracking Number: ☐ 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 ≤ 6°C, but above freezing.
Read Temp w/Temp Blank: 3.3 °C
Correction Factor: True
Corrected Temp w/Temp Blank: 3.3 °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, 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? NOTE: < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☒	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? – Pace Containers Used?	☒ ☒	☐ ☐	☐	8.
Containers Intact?	☒	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? (If NO, fill out section 11.) Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other	☒	☐	☐	11. ☐ 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): 050926-3

CLIENT NOTIFICATION / RESOLUTION: Labeled By: _____ Line: _____

Person Contacted & Date/Time: _____ PM Review & Date: Gary D Douglas 06/15/2026

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.

Data File: \\v10wintarget\chem\10gcs9.i\062426dro.b\062426000048.D

Date : 24-JUN-2026 19:45

Client ID: C-TP78-1_0-1

Instrument: 10gcs9.i

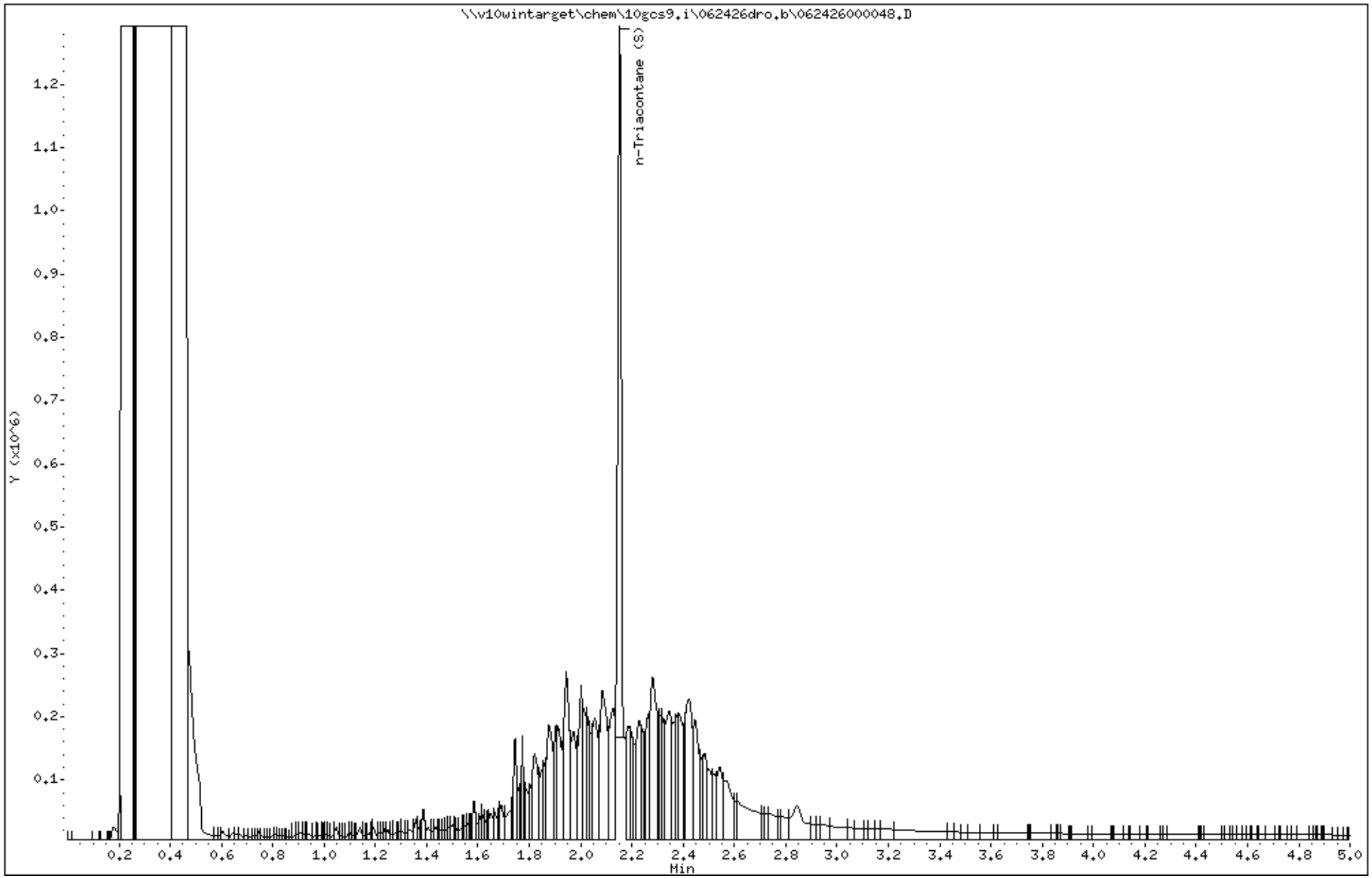
Sample Info: 10777061002

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\062426dro.b\062426000052.D

Date : 24-JUN-2026 20:14

Client ID: C-TP73-1_0-1.7

Instrument: 10gcs9.i

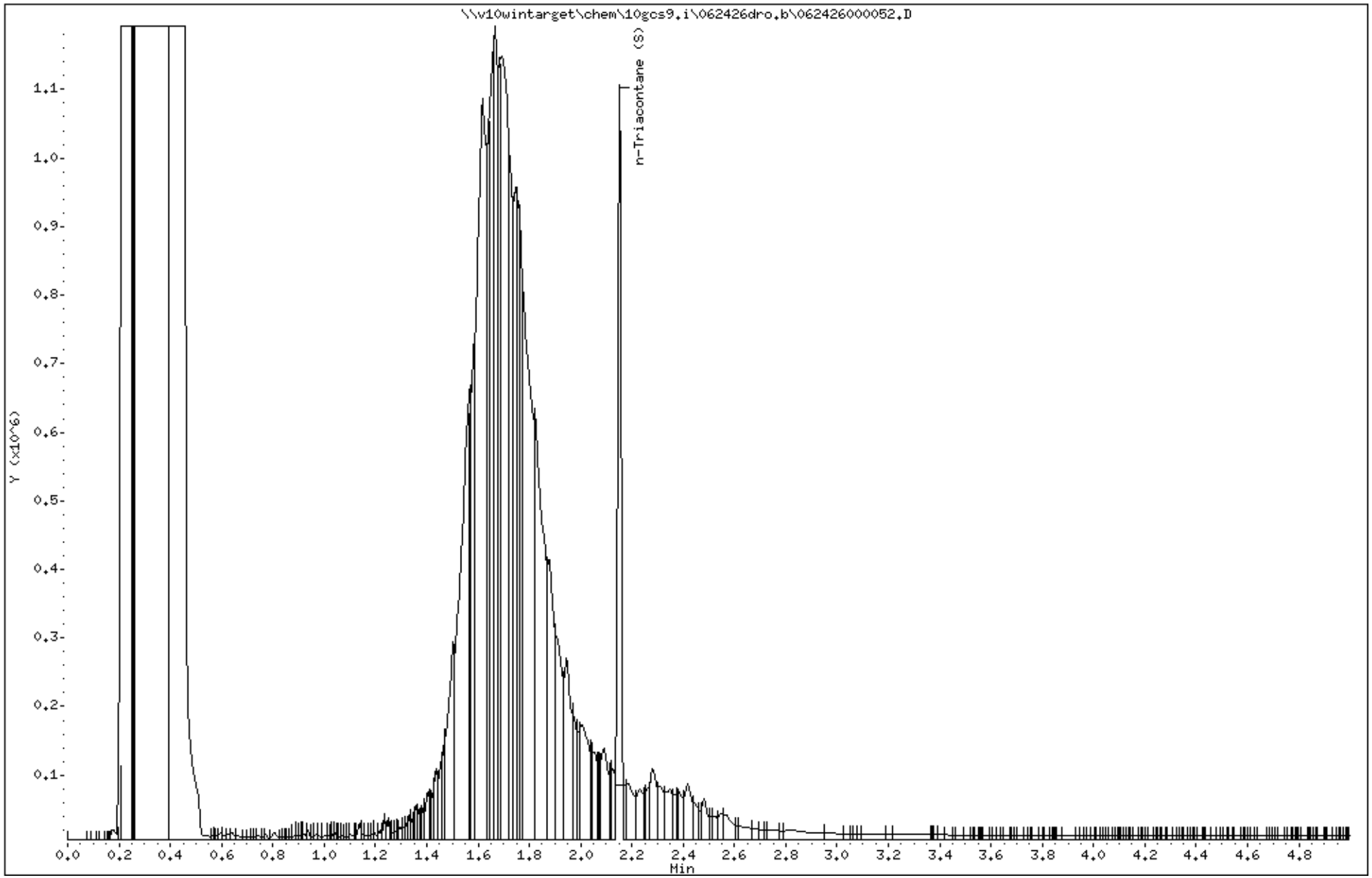
Sample Info: 10777061004

Volume Injected (uL): 1.0

Operator: TT2

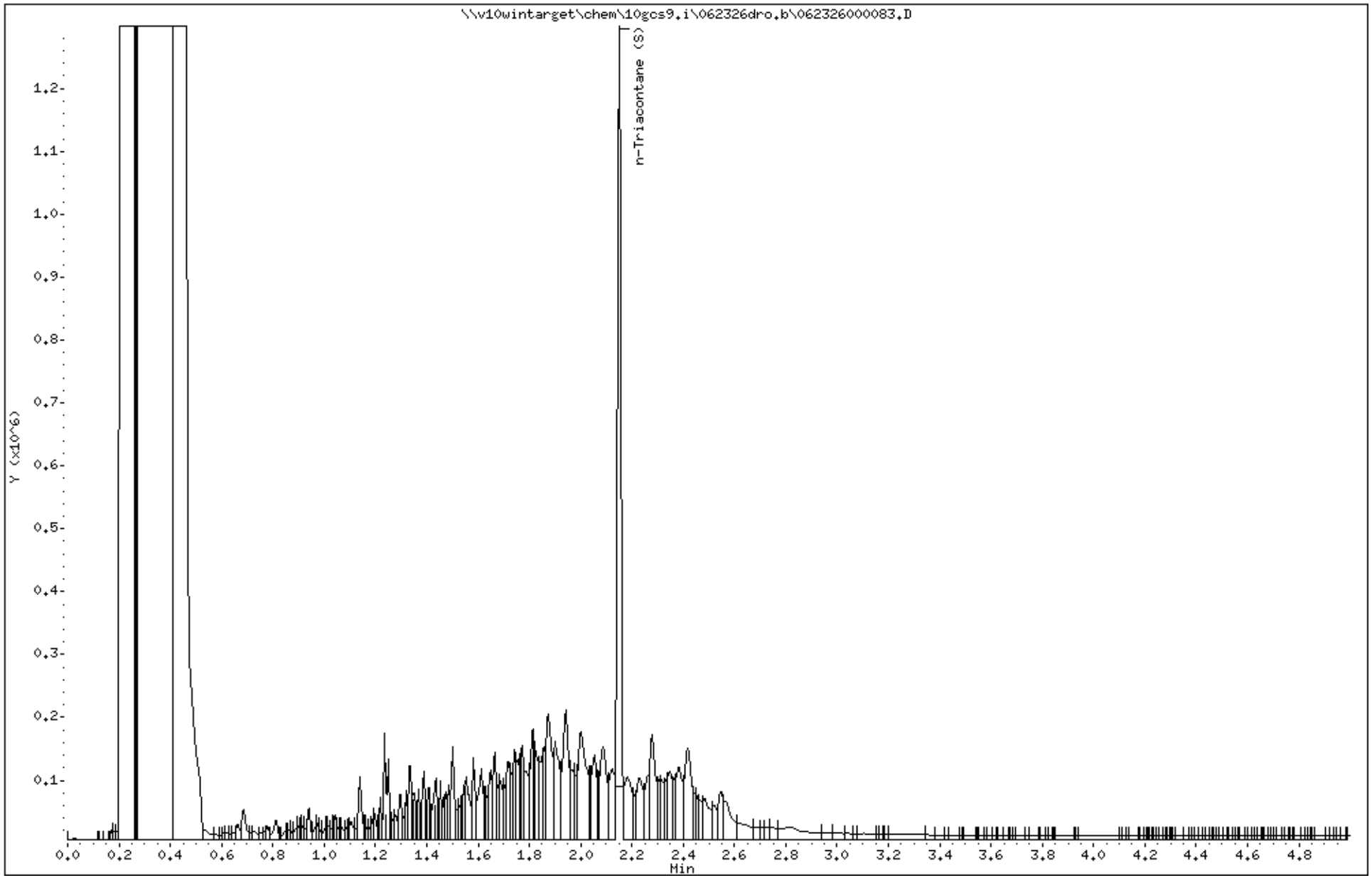
Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\062326dro.b\062326000083.D
Date : 23-JUN-2026 21:22
Client ID: C-TP70-1_0-1.5
Sample Info: 10777061005
Volume Injected (uL): 1.0
Column phase: DB-5-US25400018

Instrument: 10gcs9.i
Operator: TT2
Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\062326dro.b\062326000082.D

Date : 23-JUN-2026 21:15

Client ID: C-TP71-1_0-1

Instrument: 10gcs9.i

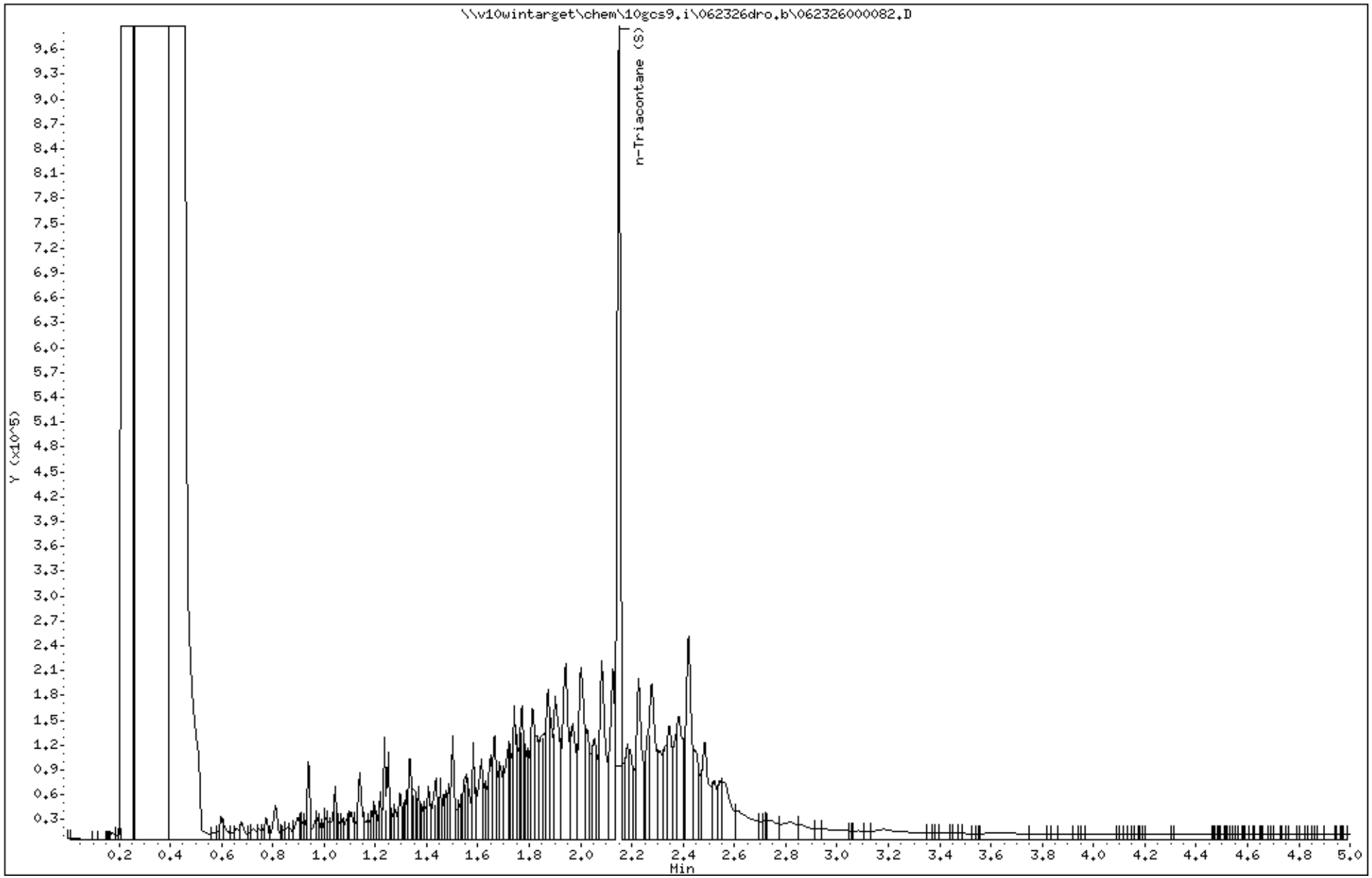
Sample Info: 10777061006

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32

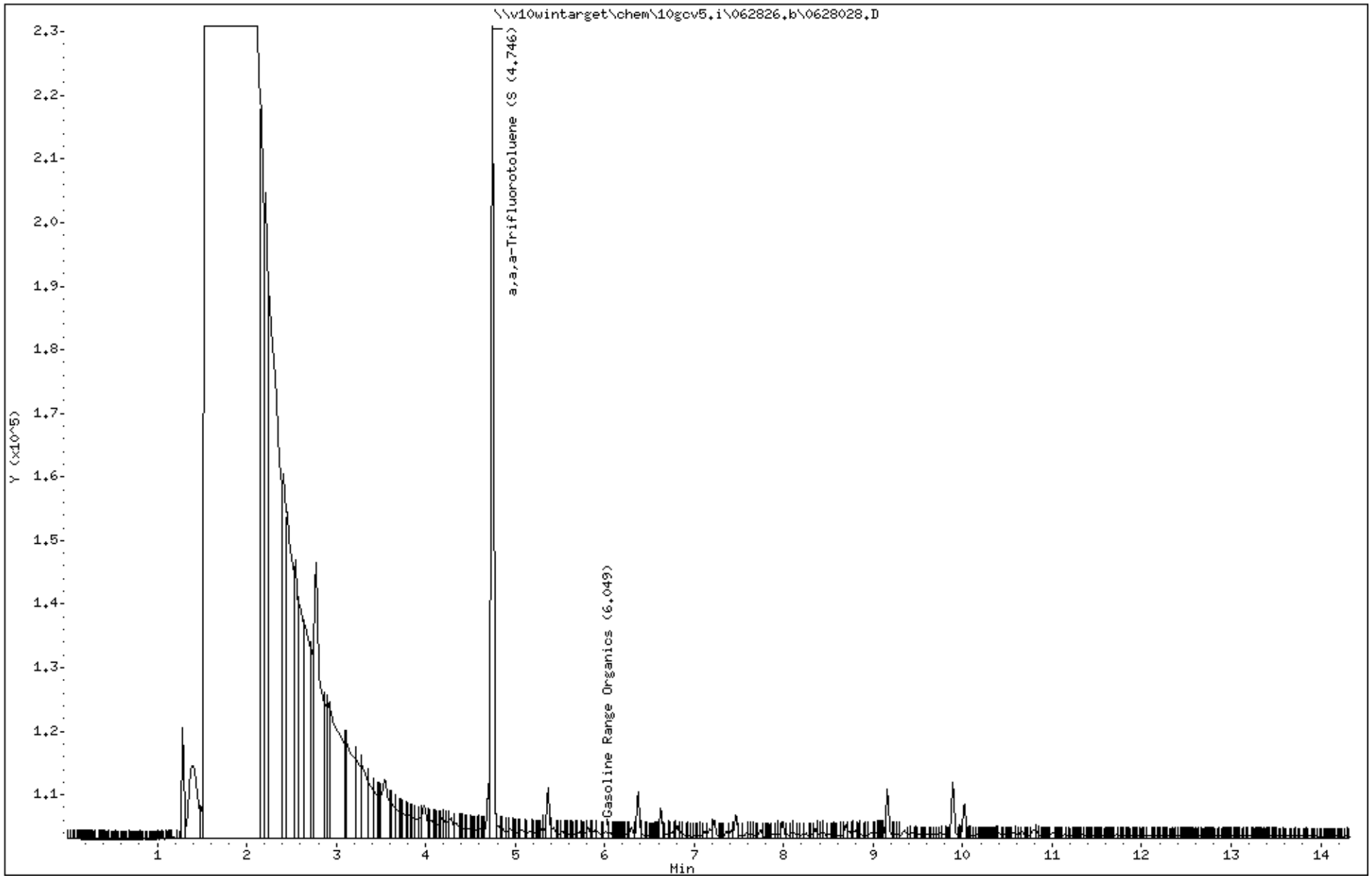


Data File: \\v10wintarget\chem\10gcv5.i\062826.b\0628028.D
Date : 29-JUN-2026 02:02
Client ID: C-TP78-1_0-1
Sample Info: 10777061002,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18

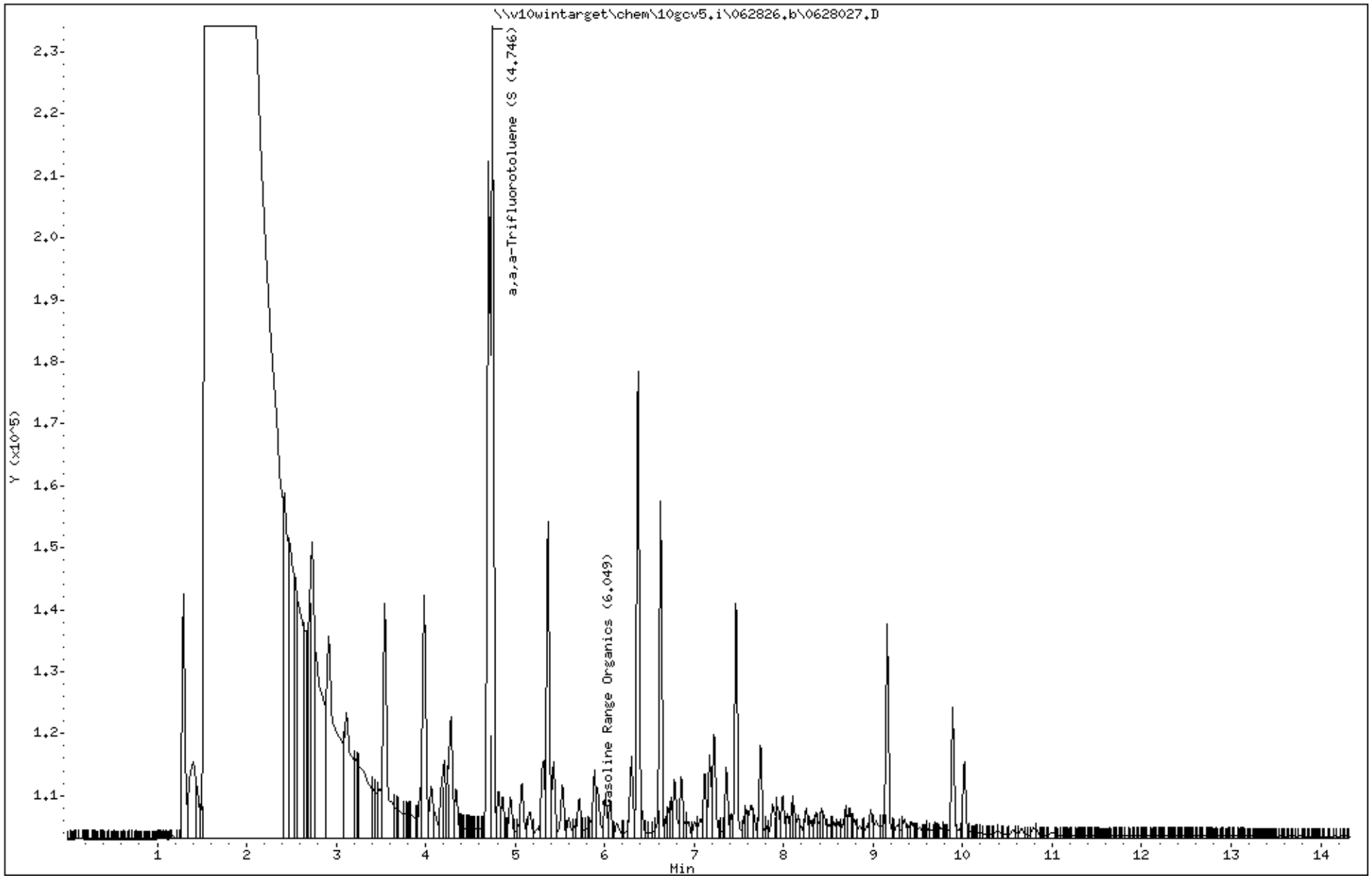


Data File: \\v10wintarget\chem\10gcv5.i\062826.b\0628027.D
Date : 29-JUN-2026 01:40
Client ID: C-TP73-1_0-1.7
Sample Info: 10777061004,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062826.b\0628026.D

Date : 29-JUN-2026 01:18

Client ID: C-TP71-1_0-1

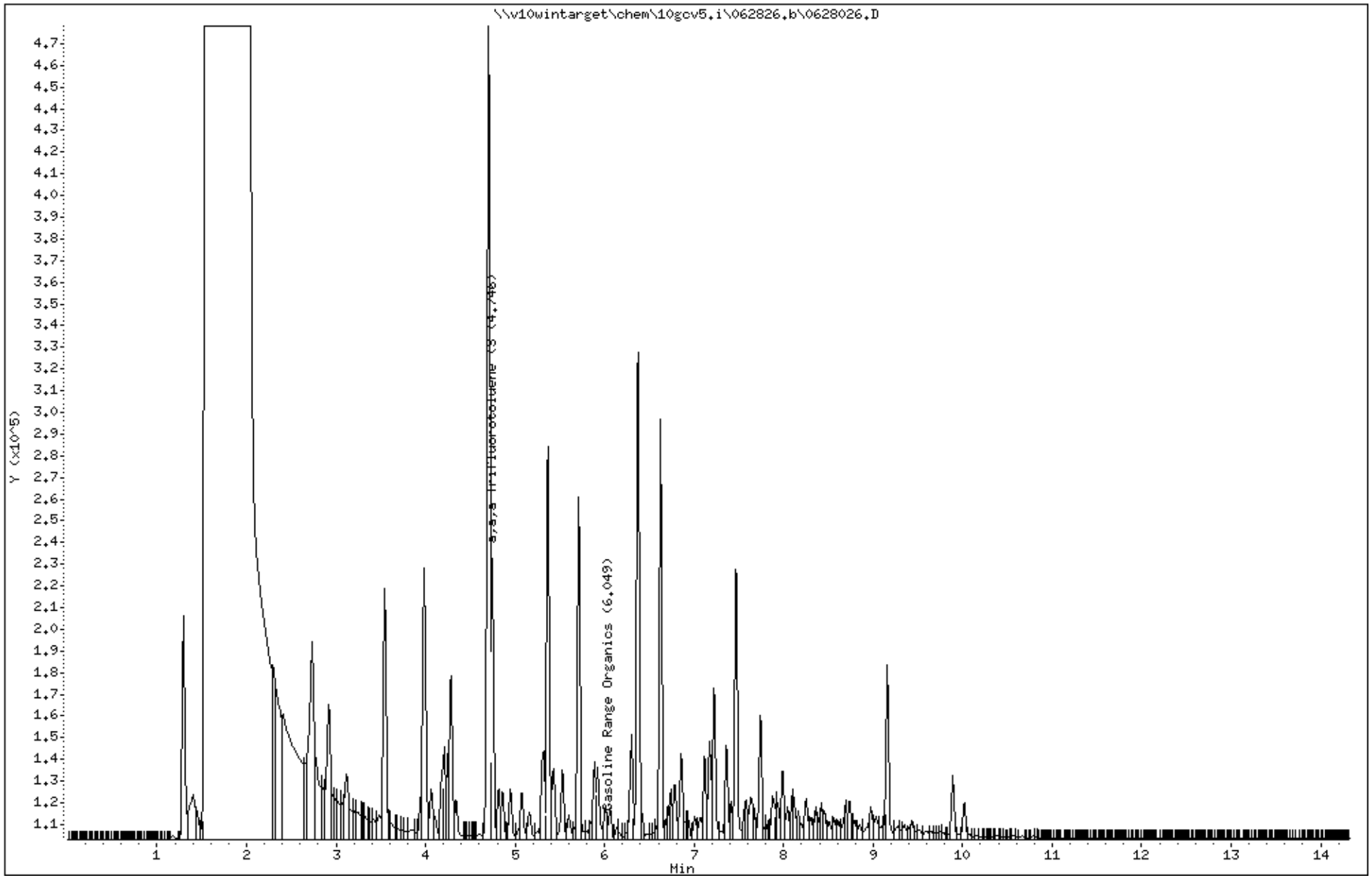
Sample Info: 10777061006,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18

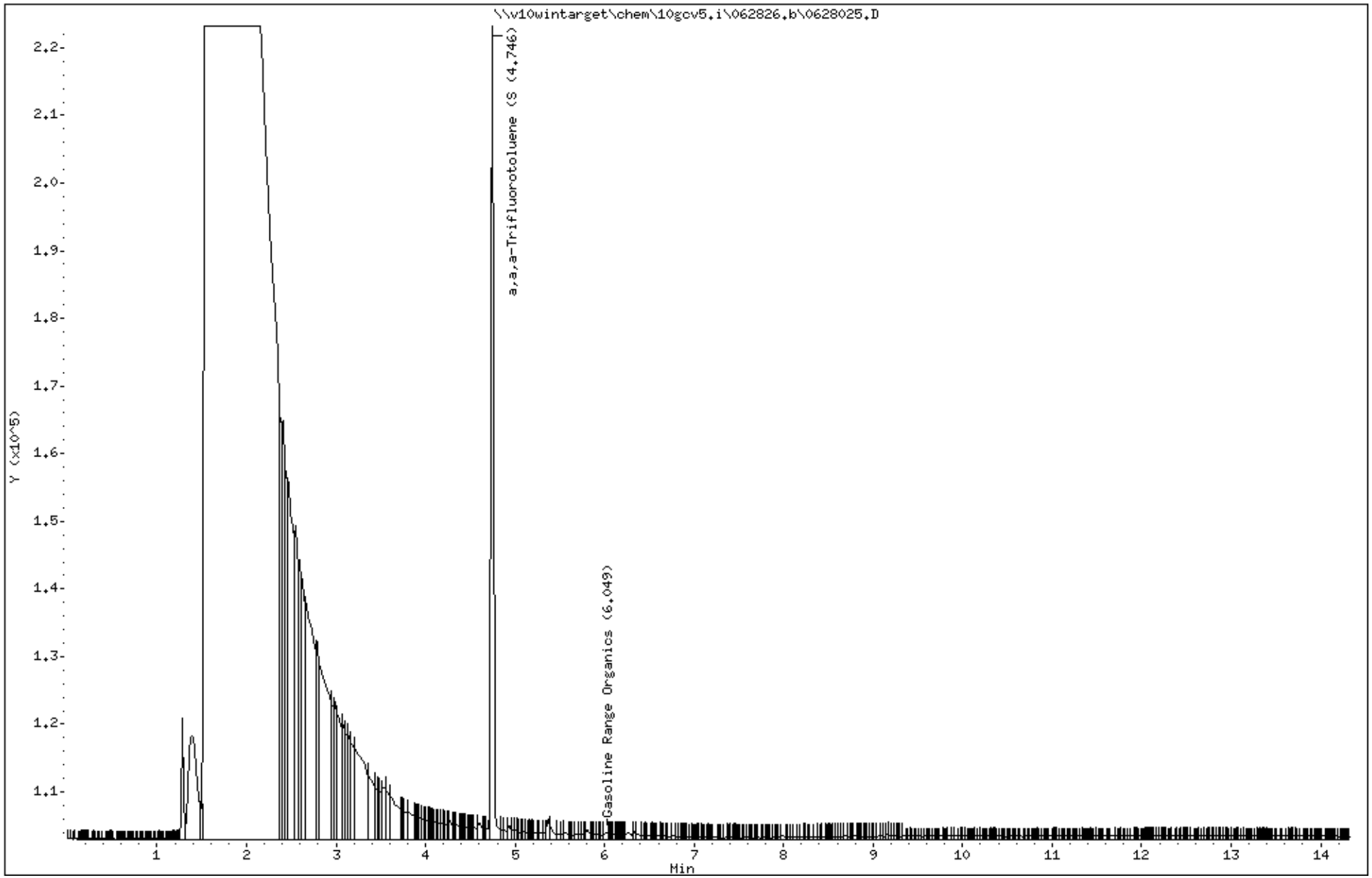


Data File: \\v10wintarget\chem\10gcv5.i\062826.b\0628025.D
Date : 29-JUN-2026 00:57
Client ID: Trip Blank-04
Sample Info: 10777061012,

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18

Column phase: DB-624UI US3266025H



Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

July 02, 2026

Jim Taraldsen
Barr Engineering Company
325 S Lake Ave
Duluth, MN 55802

RE: Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Dear Jim Taraldsen:

Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2026. 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.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Craig S Douglas

Craig Douglas
craig.douglas@pacelabs.com
(218) 727-6380
Project Manager

Enclosures

cc: Barr DM, Barr Engineering
Accounts Payable, Barr Engineering

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alaska Contaminated Sites Certification #: 17-009
Arizona Certification #: AZ0014
Arkansas WW Certification #: 88-0680
Colorado Certification #: MN00064
DoD via A2LA Certification #: 2926.01
Florida Certification #: E87605
Idaho Certification #: MN00064
Indiana Certification #: C-MN-01
ISO/IEC 17025 via A2LA Certification #: 2926.01
Kentucky DW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Maine Certification #: MN00064
Michigan Certification #: 9909
Minnesota Dept of Ag Approval via Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nevada Certification #: MN00064
New Jersey Certification #: MN002
North Carolina DW Certification #: 27700
North Dakota Certification via A2LA #: R-036
Ohio DW Certification #: 41244
Oklahoma Certification #: 9507
Oregon Secondary Certification #: MN200001
Puerto Rico Certification #: MN00064
Tennessee Certification #: TN02818
Utah Certification #: MN00064
Virginia Certification #: 460163
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
USDA Permit #: P330-19-00208
Alabama Certification #: 40770
Alaska DW Certification #: MN00064
Arkansas DW Certification #: MN00064
California Certification #: 2929
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Georgia Certification #: 959
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky WW Certification #: 90062
Louisiana DW Certification #: MN00064
Maryland Certification #: 322
Minnesota Certification #: 027-053-137
Minnesota Petrofund Registration #: 1240
Missouri Certification #: 10100
Nebraska Certification #: NE-OS-18-06
New Hampshire Certification #: 2081
New York Certification #: 11647
North Carolina WW Certification #: 530
North Dakota Certification via MN #: R-036
Ohio VAP Certification (1700) #: CL101
Oregon Primary Certification #: MN300001
Pennsylvania Certification #: 68-00563
South Carolina Certification #:74003001
Texas Certification #: T104704192
Vermont Certification #: VT-027053137
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
Wyoming UST Certification via A2LA #: 2926.01

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SAMPLE SUMMARY

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10777062001	**Concrete-1**	Solid	06/12/26 15:00	06/15/26 07:56
10777062002	**Concrete-2**	Solid	06/12/26 15:18	06/15/26 07:56
10777062003	**Concrete-3**	Solid	06/12/26 15:25	06/15/26 07:56
10777062004	**Concrete-4**	Solid	06/11/26 17:05	06/15/26 07:56
10777062005	**SS-1_0-0.5**	Solid	06/12/26 14:30	06/15/26 07:56

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SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777062001	**Concrete-1**	EPA 8082A	RAG	9	PASI-M
10777062002	**Concrete-2**	EPA 8082A	RAG	9	PASI-M
10777062003	**Concrete-3**	EPA 8082A	RAG	9	PASI-M
10777062004	**Concrete-4**	EPA 8082A	RAG	9	PASI-M
10777062005	**SS-1_0-0.5**	EPA 8082A	RAG	9	PASI-M
		ASTM D2974	MEG	1	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Sample: Concrete-1 **Lab ID: 10777062001** Collected: 06/12/26 15:00 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.2**	ug/kg	49.0	12.2	1	06/23/26 12:00	06/24/26 11:05	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.4**	ug/kg	49.0	13.4	1	06/23/26 12:00	06/24/26 11:05	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.8**	ug/kg	49.0	15.8	1	06/23/26 12:00	06/24/26 11:05	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.9**	ug/kg	49.0	17.9	1	06/23/26 12:00	06/24/26 11:05	53469-21-9	
PCB-1248 (Aroclor 1248)	**<14.9**	ug/kg	49.0	14.9	1	06/23/26 12:00	06/24/26 11:05	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.6**	ug/kg	49.0	16.6	1	06/23/26 12:00	06/24/26 11:05	11097-69-1	
PCB-1260 (Aroclor 1260)	**331**	ug/kg	49.0	14.4	1	06/23/26 12:00	06/24/26 11:05	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	49	%.	30-125		1	06/23/26 12:00	06/24/26 11:05	877-09-8	
Decachlorobiphenyl (S)	61	%.	30-125		1	06/23/26 12:00	06/24/26 11:05	2051-24-3	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Sample: Concrete-2 **Lab ID: 10777062002** Collected: 06/12/26 15:18 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.0**	ug/kg	48.5	12.0	1	06/23/26 12:00	06/24/26 11:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.3**	ug/kg	48.5	13.3	1	06/23/26 12:00	06/24/26 11:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.6**	ug/kg	48.5	15.6	1	06/23/26 12:00	06/24/26 11:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.8**	ug/kg	48.5	17.8	1	06/23/26 12:00	06/24/26 11:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<14.8**	ug/kg	48.5	14.8	1	06/23/26 12:00	06/24/26 11:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.4**	ug/kg	48.5	16.4	1	06/23/26 12:00	06/24/26 11:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**2460**	ug/kg	97.1	28.5	2	06/23/26 12:00	06/25/26 09:44	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	64	%.	30-125		1	06/23/26 12:00	06/24/26 11:21	877-09-8	
Decachlorobiphenyl (S)	76	%.	30-125		1	06/23/26 12:00	06/24/26 11:21	2051-24-3	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Sample: Concrete-3 **Lab ID: 10777062003** Collected: 06/12/26 15:25 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.4**	ug/kg	50.0	12.4	1	06/23/26 12:00	06/24/26 11:37	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.7**	ug/kg	50.0	13.7	1	06/23/26 12:00	06/24/26 11:37	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.1**	ug/kg	50.0	16.1	1	06/23/26 12:00	06/24/26 11:37	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.3**	ug/kg	50.0	18.3	1	06/23/26 12:00	06/24/26 11:37	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.2**	ug/kg	50.0	15.2	1	06/23/26 12:00	06/24/26 11:37	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.9**	ug/kg	50.0	16.9	1	06/23/26 12:00	06/24/26 11:37	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.7**	ug/kg	50.0	14.7	1	06/23/26 12:00	06/24/26 11:37	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	74	%.	30-125		1	06/23/26 12:00	06/24/26 11:37	877-09-8	
Decachlorobiphenyl (S)	80	%.	30-125		1	06/23/26 12:00	06/24/26 11:37	2051-24-3	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Sample: Concrete-4 **Lab ID: 10777062004** Collected: 06/11/26 17:05 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.3**	ug/kg	49.5	12.3	1	06/23/26 12:00	06/24/26 11:53	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.6**	ug/kg	49.5	13.6	1	06/23/26 12:00	06/24/26 11:53	11104-28-2	
PCB-1232 (Aroclor 1232)	**<15.9**	ug/kg	49.5	15.9	1	06/23/26 12:00	06/24/26 11:53	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.1**	ug/kg	49.5	18.1	1	06/23/26 12:00	06/24/26 11:53	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.0**	ug/kg	49.5	15.0	1	06/23/26 12:00	06/24/26 11:53	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.7**	ug/kg	49.5	16.7	1	06/23/26 12:00	06/24/26 11:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.6**	ug/kg	49.5	14.6	1	06/23/26 12:00	06/24/26 11:53	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	70	%.	30-125		1	06/23/26 12:00	06/24/26 11:53	877-09-8	
Decachlorobiphenyl (S)	68	%.	30-125		1	06/23/26 12:00	06/24/26 11:53	2051-24-3	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Sample: SS-1_0-0.5 **Lab ID: 10777062005** Collected: 06/12/26 14:30 Received: 06/15/26 07:56 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.6**	ug/kg	55.0	13.6	1	06/18/26 15:21	06/19/26 17:12	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.1**	ug/kg	55.0	15.1	1	06/18/26 15:21	06/19/26 17:12	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.7**	ug/kg	55.0	17.7	1	06/18/26 15:21	06/19/26 17:12	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.1**	ug/kg	55.0	20.1	1	06/18/26 15:21	06/19/26 17:12	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.7**	ug/kg	55.0	16.7	1	06/18/26 15:21	06/19/26 17:12	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.6**	ug/kg	55.0	18.6	1	06/18/26 15:21	06/19/26 17:12	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.2**	ug/kg	55.0	16.2	1	06/18/26 15:21	06/19/26 17:12	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	98	%.	30-125		1	06/18/26 15:21	06/19/26 17:12	877-09-8	
Decachlorobiphenyl (S)	93	%.	30-125		1	06/18/26 15:21	06/19/26 17:12	2051-24-3	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**10**	%	0.10	0.10	1		07/01/26 11:15		N2

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

QC Batch	1073232	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight / %M by ASTM D2974
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777062005

5

SAMPLE DUPLICATE: 5577286

Parameter	Units	10777807004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.7	26.1	1	30	N2

SAMPLE DUPLICATE: 5577287

Parameter	Units	10777807022 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.7	7.3	7	30	N2

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

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

QC Batch: 1071000
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777062005

METHOD BLANK: 5565910 Matrix: Solid

Associated Lab Samples: 10777062005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.4	50.0	12.4	06/19/26 11:18	
PCB-1221 (Aroclor 1221)	ug/kg	<13.7	50.0	13.7	06/19/26 11:18	
PCB-1232 (Aroclor 1232)	ug/kg	<16.1	50.0	16.1	06/19/26 11:18	
PCB-1242 (Aroclor 1242)	ug/kg	<18.3	50.0	18.3	06/19/26 11:18	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	15.2	06/19/26 11:18	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9	50.0	16.9	06/19/26 11:18	
PCB-1260 (Aroclor 1260)	ug/kg	<14.7	50.0	14.7	06/19/26 11:18	
Decachlorobiphenyl (S)	%.	101	30-125		06/19/26 11:18	
Tetrachloro-m-xylene (S)	%.	97	30-125		06/19/26 11:18	

LABORATORY CONTROL SAMPLE: 5565911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	1150	115	69-125	
PCB-1260 (Aroclor 1260)	ug/kg	1000	1170	117	69-125	
Decachlorobiphenyl (S)	%.			118	30-125	
Tetrachloro-m-xylene (S)	%.			116	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5565912 5565913

Parameter	Units	10777060008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<13.1	1030	1030	1010	1280	98	124	33-128	23	30	
PCB-1260 (Aroclor 1260)	ug/kg	<15.5	1030	1030	1050	1370	101	133	30-131	27	30	M1
Decachlorobiphenyl (S)	%.						86	119	30-125			
Tetrachloro-m-xylene (S)	%.						95	122	30-125			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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Date: 07/02/2026 10:41 AM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

QC Batch: 1071668
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777062001, 10777062002, 10777062003, 10777062004

METHOD BLANK: 5569302 Matrix: Solid

Associated Lab Samples: 10777062001, 10777062002, 10777062003, 10777062004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.4	50.0	12.4	06/24/26 08:57	
PCB-1221 (Aroclor 1221)	ug/kg	<13.7	50.0	13.7	06/24/26 08:57	
PCB-1232 (Aroclor 1232)	ug/kg	<16.1	50.0	16.1	06/24/26 08:57	
PCB-1242 (Aroclor 1242)	ug/kg	<18.3	50.0	18.3	06/24/26 08:57	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	15.2	06/24/26 08:57	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9	50.0	16.9	06/24/26 08:57	
PCB-1260 (Aroclor 1260)	ug/kg	<14.7	50.0	14.7	06/24/26 08:57	
Decachlorobiphenyl (S)	%.	92	30-125		06/24/26 08:57	
Tetrachloro-m-xylene (S)	%.	91	30-125		06/24/26 08:57	

LABORATORY CONTROL SAMPLE: 5569303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	955	95	69-125	
PCB-1260 (Aroclor 1260)	ug/kg	1000	990	99	69-125	
Decachlorobiphenyl (S)	%.			99	30-125	
Tetrachloro-m-xylene (S)	%.			97	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5569304 5569305

Parameter	Units	10777873001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	1970	1970	535	955	27	48	33-128	56	30	M1,R1
PCB-1260 (Aroclor 1260)	ug/kg	ND	1970	1970	389	680	20	34	30-131	55	30	M1,P3,R1
Decachlorobiphenyl (S)	%.						14	27	30-125			S0
Tetrachloro-m-xylene (S)	%.						21	42	30-125			P3,S0

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

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

Date: 07/02/2026 10:41 AM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777062

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10777062001	**Concrete-1**	EPA 3546	1071668	EPA 8082A	1071907
10777062002	**Concrete-2**	EPA 3546	1071668	EPA 8082A	1071907
10777062003	**Concrete-3**	EPA 3546	1071668	EPA 8082A	1071907
10777062004	**Concrete-4**	EPA 3546	1071668	EPA 8082A	1071907
10777062005	**SS-1_0-0.5**	EPA 3546	1071000	EPA 8082A	1071240
10777062005	**SS-1_0-0.5**	ASTM D2974	1073232		

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BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

COC Number:
COC 1 of 1

WO# : 10777062

10777062

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.); H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - VOCs	Soil: DRO	GRO	RCRA Metals	PAHs	PCBs	% Solids	Preservative Code	Field Filtered Y/N	
									F	A	F	A	A	A			N	
1. Concrete-1	—			06/12/2026	15:00	O	N	1						1				Transformer 1 - motor shop
2. Concrete-2	—			06/12/2026	15:10	O	N	1						1				Transformer 1 - motor shop
3. Concrete-3	—			06/12/2026	15:25	O	N	1						1				Transformer 1 - motor shop
4. Concrete-4	—			06/11/2026	17:05	O	N	1						1				Transformer 2 - train yard
5. ~~Concrete-5~~ SS-1	0	0.5	FT	06/12/2026	14:30	~~O~~ G	N	2						1				Transformer - Elect shop
6.																		
7.																		
8.																		
9.																		
10.																		

BARR USE ONLY	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Sampled by: JSP							
Barr Proj. Manager: Tristan Beaster	Relinquished by:	On Ice? Y N	Date	Time	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen							
Lab Name:	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:				Air Bill Number:		
Lab Location:	Lab WO:				Temperature on Receipt (°C): 3.8 Custody Seal Intact? ☐ Y ☐ N ☒ None		

Requested Due Date:
☒ Standard Turn Around Time
☐ Rush _____ (mm/dd/yyyy)

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

HAANChain of Custody Form 2024 Rev. 04/12/2024

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: AE 06/15/26 **PROJECT #:**

WO#: 10777062

PM: CD3 **Due Date: 06/29/26**

CLIENT: BARR

Client Name: Barr Engineering

Custody Seal Present: ☐ YES ☒ NO **Seals Intact:** ☐ YES ☒ NO

Tracking Number: ☐ 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) ☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775) ☐ T9 (0428) ☒ 01339252 (0710)

Type of Ice: ☐ Blue ☐ Dry ☒ Wet ☐ Melted ☐ None

Temp Blank: ☒ YES ☐ NO

NOTE: *Temp should be ≤ 6°C, but above freezing.*

Read Temp w/Temp Blank: 3.8 °C

Correction Factor: True

Corrected Temp w/Temp Blank: 3.8 °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, 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? **NOTE:** < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☒	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? – Pace Containers Used? AE 06/15/26	~~☒~~ ☒	☒ ☐	☐	8.
Containers Intact?	☒	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☒ Soil ☐ Water ☒ Other	☒	☐	☐	11. ☐ 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) **EXCEPTIONS (water only):** VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐ ☐	☐ ☐	☒ ☒	☐ See Exceptions form ENV-FRM-MIN4-0142
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:** _____ **Line:** _____

Person Contacted & Date/Time: _____ **PM Review & Date:** Craig D Douglas 06/15/2026

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.*

Intra-Regional Chain of Custody

Workorder: 10777062 **Workorder Name:** 23311657 100 300 Hill Annex **Owner Received Date:** 6/15/2026 **DueDate:** 7/7/2026

Received at:	Send To Lab:
Pace Duluth 4730 Oneota St. Duluth, MN 55807 Phone (218) 727-6380	Pace Minneapolis 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700

Report To:
Craig Douglas

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Container-Preservative: JGFU-Unpres.	Requested Analysis: 8082A GCS PCB	LAB USE ONLY
1			06/12/2026 15:00	10777062001				
2			06/12/2026 15:18	10777062002				
3			06/12/2026 15:25	10777062003				
4			06/11/2026 17:05	10777062004				
5	SS-1_0-0.5	PS	06/12/2026 14:30	10777062005	Solid	2	X	

Transfers	Released By	Date/Time	Received By	Date/Time
1		06/15/26 17:15		6/16/26 0800
2		6/16/26 1055	Pace	6/16/26 1055
3				

Comments: Samples -001 through -004 will come later.
CD3 06/15/2026

Cooler Temperature on Receipt 0.2 °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.*

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: LCT 6/16/26 **PROJECT #:** 10777062

Place LIMS WO Label Here

Client Name: Pace Puluth

Custody Seal Present: ☒ YES ☐ NO **Seals Intact:** ☒ YES ☐ NO

Tracking Number: ☐ 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 ≤ 6°C, but above freezing.
Read Temp w/Temp Blank: 0.4 °C
Correction Factor: -0.2
Corrected Temp w/Temp Blank: 0.2 °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): Solid
Did Samples originate from one of the following states (check maps): ☐ YES ☐ NO
Circle State: AL, AR, 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? **NOTE:** < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☒	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? – Pace Containers Used?	☒ ☒	☐ ☐	☐	8.
Containers Intact?	☒	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☐ Soil ☐ Water ☒ Other	☒	☐	☐	11. ☐ 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) **EXCEPTIONS (water only):** VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐ ☐	☐ ☐	☒ ☒	☐ See Exceptions form ENV-FRM-MIN4-0142
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:** DU **Line:** 3

Person Contacted & Date/Time: _____ **PM Review & Date:** Craig D Douglas 06/17/2026

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.*

Intra-Regional Chain of Custody

Workorder: 10777062 **Workorder Name:** 23311657 100 300 Hill Annex **Owner Received Date:** 6/15/2026 **DueDate:** 7/7/2026

Received at:	Send To Lab:
Pace Duluth 4730 Oneota St. Duluth, MN 55807 Phone (218) 727-6380	Pace Minneapolis 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700

Report To:
Craig Douglas

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Container-Preservative: JGFU-Unpres.	Container-Preservative: ZPLU-Unpres.	Requested Analysis: 8082A GCS PCB	LAB USE ONLY
1	Concrete-1	PS	06/12/2026 15:00	10777062001	Solid		1	X	
2	Concrete-2	PS	06/12/2026 15:18	10777062002	Solid		1	X	
3	Concrete-3	PS	06/12/2026 15:25	10777062003	Solid		1	X	
4	Concrete-4	PS	06/11/2026 17:05	10777062004	Solid		1	X	
5		PS	06/12/2026 14:30	10777062005	Solid				

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] 6/17/26	1400	[signature]	6/18/26 0800
2	[signature]	6/18/24 1040	[signature]	6-18-24 1040
3				

Comments: Sample 10777062-005 was already shipped to Minneapolis, CD3 06/17/2026

Cooler Temperature on Receipt 0.0 °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.

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: _____ **PROJECT #:** 10777062

Place LIMS WO Label Here

Client Name: Pace Duluth

Custody Seal Present: ☐ YES ☑ NO **Seals Intact:** ☐ YES ☑ NO

Tracking Number: _____ ☐ **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) ☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775) ☐ T9 (0428) ☐ 01339252 (0710)

Type of Ice: ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None

Temp Blank: ☐ YES ☐ NO

NOTE: Temp should be ≤ 6°C, but above freezing.

Read Temp w/Temp Blank: 0.0 °C

Correction Factor: 0.0

Corrected Temp w/Temp Blank: 0.0 °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): concrete

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

Circle State: AL, AR, 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? **NOTE:** < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☑	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? -- Pace Containers Used?	☑ ☑	☐ ☐	☐	8.
Containers Intact?	☑	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☐ Soil ☐ Water ☑ Other	☑	☐	☐	11. ☐ **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:** DM **Line:** 3

Person Contacted & Date/Time: _____ **PM Review & Date:** Craig D Douglas 06/19/2026

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.*

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

June 30, 2026

Jim Taraldsen
Barr Engineering Company
325 S Lake Ave
Duluth, MN 55802

RE: Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Dear Jim Taraldsen:

Enclosed are the analytical results for sample(s) received by the laboratory on June 11, 2026. 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 - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Craig S Douglas

Craig Douglas
craig.douglas@pacelabs.com
(218) 727-6380
Project Manager

Enclosures

cc: Barr DM, Barr Engineering
Accounts Payable, Barr Engineering

REPORT OF LABORATORY ANALYSIS
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Pace Analytical Services, LLC
1700 Elm Stree
Minneapolis, MN 5541
(612)607-170

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CERTIFICATIONS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alaska Contaminated Sites Certification #: 17-009
Arizona Certification #: AZ0014
Arkansas WW Certification #: 88-0680
Colorado Certification #: MN00064
DoD via A2LA Certification #: 2926.01
Florida Certification #: E87605
Idaho Certification #: MN00064
Indiana Certification #: C-MN-01
ISO/IEC 17025 via A2LA Certification #: 2926.01
Kentucky DW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Maine Certification #: MN00064
Michigan Certification #: 9909
Minnesota Dept of Ag Approval via Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nevada Certification #: MN00064
New Jersey Certification #: MN002
North Carolina DW Certification #: 27700
North Dakota Certification via A2LA #: R-036
Ohio DW Certification #: 41244
Oklahoma Certification #: 9507
Oregon Secondary Certification #: MN200001
Puerto Rico Certification #: MN00064
Tennessee Certification #: TN02818
Utah Certification #: MN00064
Virginia Certification #: 460163
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
USDA Permit #: P330-19-00208

Alabama Certification #: 40770
Alaska DW Certification #: MN00064
Arkansas DW Certification #: MN00064
California Certification #: 2929
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Georgia Certification #: 959
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky WW Certification #: 90062
Louisiana DW Certification #: MN00064
Maryland Certification #: 322
Minnesota Certification #: 027-053-137
Minnesota Petrofund Registration #: 1240
Missouri Certification #: 10100
Nebraska Certification #: NE-OS-18-06
New Hampshire Certification #: 2081
New York Certification #: 11647
North Carolina WW Certification #: 530
North Dakota Certification via MN #: R-036
Ohio VAP Certification (1700) #: CL101
Oregon Primary Certification #: MN300001
Pennsylvania Certification #: 68-00563
South Carolina Certification #:74003001
Texas Certification #: T104704192
Vermont Certification #: VT-027053137
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
Wyoming UST Certification via A2LA #: 2926.01

REPORT OF LABORATORY ANALYSIS

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Date: 06/30/2026 08:45 AM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10777153001	**E-COMP-1_0-1**	Solid	06/08/26 11:27	06/11/26 07:54
10777153002	**E-TP04-1_0-1**	Solid	06/08/26 11:25	06/11/26 07:54
10777153003	**E-TP01-1_0-1**	Solid	06/08/26 10:20	06/11/26 07:54
10777153004	**E-COMP-2_0-1**	Solid	06/08/26 13:30	06/11/26 07:54
10777153005	**E-TP07-1_0-1**	Solid	06/08/26 13:23	06/11/26 07:54
10777153006	**E-TP02-1_0-1**	Solid	06/08/26 11:33	06/11/26 07:54
10777153007	**E-TP03-1_0-1**	Solid	06/08/26 11:36	06/11/26 07:54
10777153008	**E-TP05-1_0-1**	Solid	06/08/26 12:35	06/11/26 07:54
10777153009	**E-TP06-1_0-1**	Solid	06/08/26 12:45	06/11/26 07:54
10777153010	**E-TP08-1_0-1**	Solid	06/08/26 13:35	06/11/26 07:54

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777153001	**E-COMP-1_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777153002	**E-TP04-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777153003	**E-TP01-1_0-1**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777153004	**E-COMP-2_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777153005	**E-TP07-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-COMP-1_0-1 **Lab ID: 10777153001** Collected: 06/08/26 11:27 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.8**	ug/kg	51.6	12.8	1	06/16/26 18:11	06/17/26 12:44	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.1**	ug/kg	51.6	14.1	1	06/16/26 18:11	06/17/26 12:44	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.6**	ug/kg	51.6	16.6	1	06/16/26 18:11	06/17/26 12:44	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.9**	ug/kg	51.6	18.9	1	06/16/26 18:11	06/17/26 12:44	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.7**	ug/kg	51.6	15.7	1	06/16/26 18:11	06/17/26 12:44	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.5**	ug/kg	51.6	17.5	1	06/16/26 18:11	06/17/26 12:44	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.2**	ug/kg	51.6	15.2	1	06/16/26 18:11	06/17/26 12:44	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	101	%.	30-125		1	06/16/26 18:11	06/17/26 12:44	877-09-8	
Decachlorobiphenyl (S)	96	%.	30-125		1	06/16/26 18:11	06/17/26 12:44	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**4.0**	mg/kg	1.0	0.17	1	06/23/26 13:27	06/24/26 15:15	7440-38-2	
Barium	**28.6**	mg/kg	0.52	0.077	1	06/23/26 13:27	06/24/26 15:15	7440-39-3	
Cadmium	**0.20**	mg/kg	0.15	0.036	1	06/23/26 13:27	06/24/26 15:15	7440-43-9	
Chromium	**17.6**	mg/kg	0.52	0.15	1	06/23/26 13:27	06/24/26 15:15	7440-47-3	
Lead	**4.0**	mg/kg	0.52	0.23	1	06/23/26 13:27	06/24/26 15:15	7439-92-1	
Selenium	**<0.45**	mg/kg	1.0	0.45	1	06/23/26 13:27	06/24/26 15:15	7782-49-2	
Silver	**<0.041**	mg/kg	0.52	0.041	1	06/23/26 13:27	06/24/26 15:15	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.030**	mg/kg	0.021	0.0090	1	06/23/26 14:32	06/24/26 09:45	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**6.9**	%	0.10	0.10	1		06/24/26 14:59		N2

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-COMP-1_0-1 **Lab ID: 10777153001** Collected: 06/08/26 11:27 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.1**	ug/kg	10.4	1.1	1	06/16/26 09:34	06/17/26 12:29	83-32-9	
Acenaphthylene	**12.7**	ug/kg	10.4	1.8	1	06/16/26 09:34	06/17/26 12:29	208-96-8	
Anthracene	**32.3**	ug/kg	10.4	1.2	1	06/16/26 09:34	06/17/26 12:29	120-12-7	
Benzo(a)anthracene	**74.8**	ug/kg	10.4	1.9	1	06/16/26 09:34	06/17/26 12:29	56-55-3	
Benzo(a)pyrene	**68.7**	ug/kg	10.4	1.7	1	06/16/26 09:34	06/17/26 12:29	50-32-8	
Benzo(b)fluoranthene	**283**	ug/kg	10.4	2.4	1	06/16/26 09:34	06/17/26 12:29	205-99-2	
Benzo(g,h,i)perylene	**55.1**	ug/kg	10.4	2.3	1	06/16/26 09:34	06/17/26 12:29	191-24-2	
Benzo(k)fluoranthene	**94.4**	ug/kg	10.4	1.4	1	06/16/26 09:34	06/17/26 12:29	207-08-9	
Chrysene	**166**	ug/kg	10.4	1.3	1	06/16/26 09:34	06/17/26 12:29	218-01-9	
Dibenz(a,h)anthracene	**17.6**	ug/kg	10.4	1.5	1	06/16/26 09:34	06/17/26 12:29	53-70-3	
Fluoranthene	**277**	ug/kg	10.4	2.7	1	06/16/26 09:34	06/17/26 12:29	206-44-0	
Fluorene	**1.9J**	ug/kg	10.4	1.2	1	06/16/26 09:34	06/17/26 12:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**67.3**	ug/kg	10.4	2.1	1	06/16/26 09:34	06/17/26 12:29	193-39-5	
Naphthalene	**<3.7**	ug/kg	10.4	3.7	1	06/16/26 09:34	06/17/26 12:29	91-20-3	
Phenanthrene	**30.6**	ug/kg	10.4	2.3	1	06/16/26 09:34	06/17/26 12:29	85-01-8	
Pyrene	**209**	ug/kg	10.4	2.1	1	06/16/26 09:34	06/17/26 12:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	81	%.	61-125		1	06/16/26 09:34	06/17/26 12:29	321-60-8	
p-Terphenyl-d14 (S)	93	%.	61-125		1	06/16/26 09:34	06/17/26 12:29	1718-51-0	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP04-1_0-1 **Lab ID: 10777153002** Collected: 06/08/26 11:25 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**<2.7**	mg/kg	9.8	2.7	1	06/16/26 18:13	06/19/26 02:10		
Surrogates									
n-Triacontane (S)	95	%.	50-150		1	06/16/26 18:13	06/19/26 02:10		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**2.7J**	mg/kg	10.8	2.7	1	06/25/26 13:00	06/29/26 13:42		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	80-200		1	06/25/26 13:00	06/29/26 13:42	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**4.3**	%	0.10	0.10	1		06/24/26 15:00		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<379**	ug/kg	1180	379	1	06/22/26 13:51	06/22/26 21:38	67-64-1	
Allyl chloride	**<104**	ug/kg	236	104	1	06/22/26 13:51	06/22/26 21:38	107-05-1	
Benzene	**<8.0**	ug/kg	23.6	8.0	1	06/22/26 13:51	06/22/26 21:38	71-43-2	
Bromobenzene	**<20.5**	ug/kg	59.1	20.5	1	06/22/26 13:51	06/22/26 21:38	108-86-1	
Bromochloromethane	**<18.7**	ug/kg	59.1	18.7	1	06/22/26 13:51	06/22/26 21:38	74-97-5	
Bromodichloromethane	**<24.1**	ug/kg	59.1	24.1	1	06/22/26 13:51	06/22/26 21:38	75-27-4	
Bromoform	**<113**	ug/kg	236	113	1	06/22/26 13:51	06/22/26 21:38	75-25-2	
Bromomethane	**<206**	ug/kg	591	206	1	06/22/26 13:51	06/22/26 21:38	74-83-9	
2-Butanone (MEK)	**<138**	ug/kg	296	138	1	06/22/26 13:51	06/22/26 21:38	78-93-3	
n-Butylbenzene	**<20.7**	ug/kg	59.1	20.7	1	06/22/26 13:51	06/22/26 21:38	104-51-8	
sec-Butylbenzene	**<15.2**	ug/kg	59.1	15.2	1	06/22/26 13:51	06/22/26 21:38	135-98-8	
tert-Butylbenzene	**<17.4**	ug/kg	59.1	17.4	1	06/22/26 13:51	06/22/26 21:38	98-06-6	
Carbon tetrachloride	**<21.6**	ug/kg	59.1	21.6	1	06/22/26 13:51	06/22/26 21:38	56-23-5	
Chlorobenzene	**<17.3**	ug/kg	59.1	17.3	1	06/22/26 13:51	06/22/26 21:38	108-90-7	
Chloroethane	**<163**	ug/kg	591	163	1	06/22/26 13:51	06/22/26 21:38	75-00-3	
Chloroform	**<22.8**	ug/kg	59.1	22.8	1	06/22/26 13:51	06/22/26 21:38	67-66-3	v1
Chloromethane	**<36.4**	ug/kg	236	36.4	1	06/22/26 13:51	06/22/26 21:38	74-87-3	
2-Chlorotoluene	**<16.8**	ug/kg	59.1	16.8	1	06/22/26 13:51	06/22/26 21:38	95-49-8	
4-Chlorotoluene	**<17.6**	ug/kg	59.1	17.6	1	06/22/26 13:51	06/22/26 21:38	106-43-4	
1,2-Dibromo-3-chloropropane	**<98.5**	ug/kg	591	98.5	1	06/22/26 13:51	06/22/26 21:38	96-12-8	
Dibromochloromethane	**<58.5**	ug/kg	236	58.5	1	06/22/26 13:51	06/22/26 21:38	124-48-1	
1,2-Dibromoethane (EDB)	**<18.9**	ug/kg	59.1	18.9	1	06/22/26 13:51	06/22/26 21:38	106-93-4	
Dibromomethane	**<24.1**	ug/kg	59.1	24.1	1	06/22/26 13:51	06/22/26 21:38	74-95-3	
1,2-Dichlorobenzene	**<17.3**	ug/kg	59.1	17.3	1	06/22/26 13:51	06/22/26 21:38	95-50-1	
1,3-Dichlorobenzene	**<15.8**	ug/kg	59.1	15.8	1	06/22/26 13:51	06/22/26 21:38	541-73-1	
1,4-Dichlorobenzene	**<15.6**	ug/kg	59.1	15.6	1	06/22/26 13:51	06/22/26 21:38	106-46-7	
Dichlorodifluoromethane	**<31.6**	ug/kg	236	31.6	1	06/22/26 13:51	06/22/26 21:38	75-71-8	v1
1,1-Dichloroethane	**<16.3**	ug/kg	59.1	16.3	1	06/22/26 13:51	06/22/26 21:38	75-34-3	L1,v1

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP04-1_0-1 **Lab ID: 10777153002** Collected: 06/08/26 11:25 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<16.4**	ug/kg	59.1	16.4	1	06/22/26 13:51	06/22/26 21:38	107-06-2	
1,1-Dichloroethene	**<15.7**	ug/kg	59.1	15.7	1	06/22/26 13:51	06/22/26 21:38	75-35-4	
cis-1,2-Dichloroethene	**<17.9**	ug/kg	59.1	17.9	1	06/22/26 13:51	06/22/26 21:38	156-59-2	L1
trans-1,2-Dichloroethene	**<15.7**	ug/kg	59.1	15.7	1	06/22/26 13:51	06/22/26 21:38	156-60-5	L1,v1
Dichlorofluoromethane	**<86.8**	ug/kg	591	86.8	1	06/22/26 13:51	06/22/26 21:38	75-43-4	L1,v1
1,2-Dichloropropane	**<18.0**	ug/kg	59.1	18.0	1	06/22/26 13:51	06/22/26 21:38	78-87-5	
1,3-Dichloropropane	**<18.7**	ug/kg	59.1	18.7	1	06/22/26 13:51	06/22/26 21:38	142-28-9	
2,2-Dichloropropane	**<25.9**	ug/kg	236	25.9	1	06/22/26 13:51	06/22/26 21:38	594-20-7	v1
1,1-Dichloropropene	**<15.1**	ug/kg	59.1	15.1	1	06/22/26 13:51	06/22/26 21:38	563-58-6	
cis-1,3-Dichloropropene	**<20.1**	ug/kg	59.1	20.1	1	06/22/26 13:51	06/22/26 21:38	10061-01-5	
trans-1,3-Dichloropropene	**<18.4**	ug/kg	59.1	18.4	1	06/22/26 13:51	06/22/26 21:38	10061-02-6	
Diethyl ether (Ethyl ether)	**<40.8**	ug/kg	236	40.8	1	06/22/26 13:51	06/22/26 21:38	60-29-7	
Ethylbenzene	**<19.9**	ug/kg	59.1	19.9	1	06/22/26 13:51	06/22/26 21:38	100-41-4	
Hexachloro-1,3-butadiene	**<36.8**	ug/kg	296	36.8	1	06/22/26 13:51	06/22/26 21:38	87-68-3	
Isopropylbenzene (Cumene)	**<14.8**	ug/kg	59.1	14.8	1	06/22/26 13:51	06/22/26 21:38	98-82-8	
p-Isopropyltoluene	**<15.5**	ug/kg	59.1	15.5	1	06/22/26 13:51	06/22/26 21:38	99-87-6	
Methylene Chloride	**<117**	ug/kg	236	117	1	06/22/26 13:51	06/22/26 21:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<114**	ug/kg	296	114	1	06/22/26 13:51	06/22/26 21:38	108-10-1	
Methyl-tert-butyl ether	**<17.3**	ug/kg	59.1	17.3	1	06/22/26 13:51	06/22/26 21:38	1634-04-4	v1
Naphthalene	**<23.6**	ug/kg	236	23.6	1	06/22/26 13:51	06/22/26 21:38	91-20-3	
n-Propylbenzene	**<14.8**	ug/kg	59.1	14.8	1	06/22/26 13:51	06/22/26 21:38	103-65-1	
Styrene	**<19.0**	ug/kg	59.1	19.0	1	06/22/26 13:51	06/22/26 21:38	100-42-5	
1,1,1,2-Tetrachloroethane	**<20.0**	ug/kg	59.1	20.0	1	06/22/26 13:51	06/22/26 21:38	630-20-6	
1,1,2,2-Tetrachloroethane	**<15.2**	ug/kg	59.1	15.2	1	06/22/26 13:51	06/22/26 21:38	79-34-5	
Tetrachloroethene	**<20.6**	ug/kg	59.1	20.6	1	06/22/26 13:51	06/22/26 21:38	127-18-4	
Tetrahydrofuran	**<442**	ug/kg	2360	442	1	06/22/26 13:51	06/22/26 21:38	109-99-9	L1,v1
Toluene	**<23.6**	ug/kg	59.1	23.6	1	06/22/26 13:51	06/22/26 21:38	108-88-3	L1
1,2,3-Trichlorobenzene	**<18.4**	ug/kg	59.1	18.4	1	06/22/26 13:51	06/22/26 21:38	87-61-6	
1,2,4-Trichlorobenzene	**<19.2**	ug/kg	59.1	19.2	1	06/22/26 13:51	06/22/26 21:38	120-82-1	
1,1,1-Trichloroethane	**<18.6**	ug/kg	59.1	18.6	1	06/22/26 13:51	06/22/26 21:38	71-55-6	v1
1,1,2-Trichloroethane	**<17.9**	ug/kg	59.1	17.9	1	06/22/26 13:51	06/22/26 21:38	79-00-5	
Trichloroethene	**<16.0**	ug/kg	59.1	16.0	1	06/22/26 13:51	06/22/26 21:38	79-01-6	
Trichlorofluoromethane	**<69.4**	ug/kg	236	69.4	1	06/22/26 13:51	06/22/26 21:38	75-69-4	v1
1,2,3-Trichloropropane	**<20.6**	ug/kg	236	20.6	1	06/22/26 13:51	06/22/26 21:38	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<24.0**	ug/kg	236	24.0	1	06/22/26 13:51	06/22/26 21:38	76-13-1	
1,2,4-Trimethylbenzene	**<17.1**	ug/kg	59.1	17.1	1	06/22/26 13:51	06/22/26 21:38	95-63-6	
1,3,5-Trimethylbenzene	**<16.6**	ug/kg	59.1	16.6	1	06/22/26 13:51	06/22/26 21:38	108-67-8	
Vinyl chloride	**<10.9**	ug/kg	23.6	10.9	1	06/22/26 13:51	06/22/26 21:38	75-01-4	
Xylene (Total)	**<33.6**	ug/kg	177	33.6	1	06/22/26 13:51	06/22/26 21:38	1330-20-7	
m&p-Xylene	**<33.6**	ug/kg	118	33.6	1	06/22/26 13:51	06/22/26 21:38	179601-23-1	
o-Xylene	**<18.4**	ug/kg	59.1	18.4	1	06/22/26 13:51	06/22/26 21:38	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/22/26 13:51	06/22/26 21:38	2037-26-5	

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP04-1_0-1 **Lab ID: 10777153002** Collected: 06/08/26 11:25 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	108	%.	75-125		1	06/22/26 13:51	06/22/26 21:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/22/26 13:51	06/22/26 21:38	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP01-1_0-1 **Lab ID: 10777153003** Collected: 06/08/26 10:20 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<12.4**	ug/kg	49.9	12.4	1	06/16/26 18:11	06/17/26 13:32	12674-11-2	
PCB-1221 (Aroclor 1221)	**<13.7**	ug/kg	49.9	13.7	1	06/16/26 18:11	06/17/26 13:32	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.1**	ug/kg	49.9	16.1	1	06/16/26 18:11	06/17/26 13:32	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.3**	ug/kg	49.9	18.3	1	06/16/26 18:11	06/17/26 13:32	53469-21-9	
PCB-1248 (Aroclor 1248)	**<15.2**	ug/kg	49.9	15.2	1	06/16/26 18:11	06/17/26 13:32	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.9**	ug/kg	49.9	16.9	1	06/16/26 18:11	06/17/26 13:32	11097-69-1	
PCB-1260 (Aroclor 1260)	**<14.7**	ug/kg	49.9	14.7	1	06/16/26 18:11	06/17/26 13:32	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	89	%.	30-125		1	06/16/26 18:11	06/17/26 13:32	877-09-8	
Decachlorobiphenyl (S)	88	%.	30-125		1	06/16/26 18:11	06/17/26 13:32	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**<2.6**	mg/kg	9.2	2.6	1	06/16/26 18:13	06/19/26 02:17		
Surrogates									
n-Triacontane (S)	93	%.	50-150		1	06/16/26 18:13	06/19/26 02:17		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.8**	mg/kg	11.6	2.8	1	06/25/26 13:00	06/26/26 12:57		
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	80-200		1	06/25/26 13:00	06/26/26 12:57	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**3.5**	mg/kg	1.0	0.17	1	06/23/26 13:27	06/24/26 15:16	7440-38-2	
Barium	**21.3**	mg/kg	0.52	0.077	1	06/23/26 13:27	06/24/26 15:16	7440-39-3	
Cadmium	**0.094J**	mg/kg	0.15	0.036	1	06/23/26 13:27	06/24/26 15:16	7440-43-9	
Chromium	**16.3**	mg/kg	0.52	0.15	1	06/23/26 13:27	06/24/26 15:16	7440-47-3	
Lead	**2.5**	mg/kg	0.52	0.23	1	06/23/26 13:27	06/24/26 15:16	7439-92-1	
Selenium	**<0.45**	mg/kg	1.0	0.45	1	06/23/26 13:27	06/24/26 15:16	7782-49-2	
Silver	**<0.041**	mg/kg	0.52	0.041	1	06/23/26 13:27	06/24/26 15:16	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.070**	mg/kg	0.018	0.0079	1	06/23/26 14:32	06/24/26 09:47	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**4.5**	%	0.10	0.10	1		06/24/26 15:00		N2

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP01-1_0-1 **Lab ID: 10777153003** Collected: 06/08/26 10:20 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**1.1J**	ug/kg	10.1	1.1	1	06/16/26 09:34	06/17/26 12:51	83-32-9	
Acenaphthylene	**<1.8**	ug/kg	10.1	1.8	1	06/16/26 09:34	06/17/26 12:51	208-96-8	
Anthracene	**1.8J**	ug/kg	10.1	1.2	1	06/16/26 09:34	06/17/26 12:51	120-12-7	
Benzo(a)anthracene	**<1.9**	ug/kg	10.1	1.9	1	06/16/26 09:34	06/17/26 12:51	56-55-3	
Benzo(a)pyrene	**<1.7**	ug/kg	10.1	1.7	1	06/16/26 09:34	06/17/26 12:51	50-32-8	
Benzo(b)fluoranthene	**<2.3**	ug/kg	10.1	2.3	1	06/16/26 09:34	06/17/26 12:51	205-99-2	
Benzo(g,h,i)perylene	**<2.2**	ug/kg	10.1	2.2	1	06/16/26 09:34	06/17/26 12:51	191-24-2	
Benzo(k)fluoranthene	**<1.3**	ug/kg	10.1	1.3	1	06/16/26 09:34	06/17/26 12:51	207-08-9	
Chrysene	**<1.3**	ug/kg	10.1	1.3	1	06/16/26 09:34	06/17/26 12:51	218-01-9	
Dibenz(a,h)anthracene	**<1.4**	ug/kg	10.1	1.4	1	06/16/26 09:34	06/17/26 12:51	53-70-3	
Fluoranthene	**<2.6**	ug/kg	10.1	2.6	1	06/16/26 09:34	06/17/26 12:51	206-44-0	
Fluorene	**1.5J**	ug/kg	10.1	1.1	1	06/16/26 09:34	06/17/26 12:51	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.0**	ug/kg	10.1	2.0	1	06/16/26 09:34	06/17/26 12:51	193-39-5	
Naphthalene	**<3.6**	ug/kg	10.1	3.6	1	06/16/26 09:34	06/17/26 12:51	91-20-3	
Phenanthrene	**3.4J**	ug/kg	10.1	2.2	1	06/16/26 09:34	06/17/26 12:51	85-01-8	
Pyrene	**<2.1**	ug/kg	10.1	2.1	1	06/16/26 09:34	06/17/26 12:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%.	61-125		1	06/16/26 09:34	06/17/26 12:51	321-60-8	
p-Terphenyl-d14 (S)	89	%.	61-125		1	06/16/26 09:34	06/17/26 12:51	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<341**	ug/kg	1060	341	1	06/22/26 13:51	06/22/26 21:55	67-64-1	
Allyl chloride	**<93.7**	ug/kg	212	93.7	1	06/22/26 13:51	06/22/26 21:55	107-05-1	
Benzene	**<7.1**	ug/kg	21.2	7.1	1	06/22/26 13:51	06/22/26 21:55	71-43-2	
Bromobenzene	**<18.4**	ug/kg	53.1	18.4	1	06/22/26 13:51	06/22/26 21:55	108-86-1	
Bromochloromethane	**<16.8**	ug/kg	53.1	16.8	1	06/22/26 13:51	06/22/26 21:55	74-97-5	
Bromodichloromethane	**<21.7**	ug/kg	53.1	21.7	1	06/22/26 13:51	06/22/26 21:55	75-27-4	
Bromoform	**<101**	ug/kg	212	101	1	06/22/26 13:51	06/22/26 21:55	75-25-2	
Bromomethane	**<185**	ug/kg	531	185	1	06/22/26 13:51	06/22/26 21:55	74-83-9	
2-Butanone (MEK)	**<124**	ug/kg	266	124	1	06/22/26 13:51	06/22/26 21:55	78-93-3	
n-Butylbenzene	**<18.6**	ug/kg	53.1	18.6	1	06/22/26 13:51	06/22/26 21:55	104-51-8	
sec-Butylbenzene	**<13.7**	ug/kg	53.1	13.7	1	06/22/26 13:51	06/22/26 21:55	135-98-8	
tert-Butylbenzene	**<15.6**	ug/kg	53.1	15.6	1	06/22/26 13:51	06/22/26 21:55	98-06-6	
Carbon tetrachloride	**<19.4**	ug/kg	53.1	19.4	1	06/22/26 13:51	06/22/26 21:55	56-23-5	
Chlorobenzene	**<15.5**	ug/kg	53.1	15.5	1	06/22/26 13:51	06/22/26 21:55	108-90-7	
Chloroethane	**<147**	ug/kg	531	147	1	06/22/26 13:51	06/22/26 21:55	75-00-3	
Chloroform	**<20.5**	ug/kg	53.1	20.5	1	06/22/26 13:51	06/22/26 21:55	67-66-3	v1
Chloromethane	**<32.7**	ug/kg	212	32.7	1	06/22/26 13:51	06/22/26 21:55	74-87-3	
2-Chlorotoluene	**<15.1**	ug/kg	53.1	15.1	1	06/22/26 13:51	06/22/26 21:55	95-49-8	
4-Chlorotoluene	**<15.8**	ug/kg	53.1	15.8	1	06/22/26 13:51	06/22/26 21:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<88.5**	ug/kg	531	88.5	1	06/22/26 13:51	06/22/26 21:55	96-12-8	
Dibromochloromethane	**<52.6**	ug/kg	212	52.6	1	06/22/26 13:51	06/22/26 21:55	124-48-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP01-1_0-1 **Lab ID: 10777153003** Collected: 06/08/26 10:20 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<17.0**	ug/kg	53.1	17.0	1	06/22/26 13:51	06/22/26 21:55	106-93-4	
Dibromomethane	**<21.7**	ug/kg	53.1	21.7	1	06/22/26 13:51	06/22/26 21:55	74-95-3	
1,2-Dichlorobenzene	**<15.5**	ug/kg	53.1	15.5	1	06/22/26 13:51	06/22/26 21:55	95-50-1	
1,3-Dichlorobenzene	**<14.2**	ug/kg	53.1	14.2	1	06/22/26 13:51	06/22/26 21:55	541-73-1	
1,4-Dichlorobenzene	**<14.0**	ug/kg	53.1	14.0	1	06/22/26 13:51	06/22/26 21:55	106-46-7	
Dichlorodifluoromethane	**<28.4**	ug/kg	212	28.4	1	06/22/26 13:51	06/22/26 21:55	75-71-8	v1
1,1-Dichloroethane	**<14.7**	ug/kg	53.1	14.7	1	06/22/26 13:51	06/22/26 21:55	75-34-3	L1,v1
1,2-Dichloroethane	**<14.8**	ug/kg	53.1	14.8	1	06/22/26 13:51	06/22/26 21:55	107-06-2	
1,1-Dichloroethene	**<14.1**	ug/kg	53.1	14.1	1	06/22/26 13:51	06/22/26 21:55	75-35-4	
cis-1,2-Dichloroethene	**<16.0**	ug/kg	53.1	16.0	1	06/22/26 13:51	06/22/26 21:55	156-59-2	L1
trans-1,2-Dichloroethene	**<14.1**	ug/kg	53.1	14.1	1	06/22/26 13:51	06/22/26 21:55	156-60-5	L1,v1
Dichlorofluoromethane	**<78.0**	ug/kg	531	78.0	1	06/22/26 13:51	06/22/26 21:55	75-43-4	L1,v1
1,2-Dichloropropane	**<16.1**	ug/kg	53.1	16.1	1	06/22/26 13:51	06/22/26 21:55	78-87-5	
1,3-Dichloropropane	**<16.8**	ug/kg	53.1	16.8	1	06/22/26 13:51	06/22/26 21:55	142-28-9	
2,2-Dichloropropane	**<23.3**	ug/kg	212	23.3	1	06/22/26 13:51	06/22/26 21:55	594-20-7	v1
1,1-Dichloropropene	**<13.6**	ug/kg	53.1	13.6	1	06/22/26 13:51	06/22/26 21:55	563-58-6	
cis-1,3-Dichloropropene	**<18.1**	ug/kg	53.1	18.1	1	06/22/26 13:51	06/22/26 21:55	10061-01-5	
trans-1,3-Dichloropropene	**<16.6**	ug/kg	53.1	16.6	1	06/22/26 13:51	06/22/26 21:55	10061-02-6	
Diethyl ether (Ethyl ether)	**<36.6**	ug/kg	212	36.6	1	06/22/26 13:51	06/22/26 21:55	60-29-7	
Ethylbenzene	**<17.8**	ug/kg	53.1	17.8	1	06/22/26 13:51	06/22/26 21:55	100-41-4	
Hexachloro-1,3-butadiene	**<33.0**	ug/kg	266	33.0	1	06/22/26 13:51	06/22/26 21:55	87-68-3	
Isopropylbenzene (Cumene)	**<13.3**	ug/kg	53.1	13.3	1	06/22/26 13:51	06/22/26 21:55	98-82-8	
p-Isopropyltoluene	**<13.9**	ug/kg	53.1	13.9	1	06/22/26 13:51	06/22/26 21:55	99-87-6	
Methylene Chloride	**<105**	ug/kg	212	105	1	06/22/26 13:51	06/22/26 21:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<103**	ug/kg	266	103	1	06/22/26 13:51	06/22/26 21:55	108-10-1	
Methyl-tert-butyl ether	**<15.5**	ug/kg	53.1	15.5	1	06/22/26 13:51	06/22/26 21:55	1634-04-4	v1
Naphthalene	**<21.2**	ug/kg	212	21.2	1	06/22/26 13:51	06/22/26 21:55	91-20-3	
n-Propylbenzene	**<13.3**	ug/kg	53.1	13.3	1	06/22/26 13:51	06/22/26 21:55	103-65-1	
Styrene	**<17.1**	ug/kg	53.1	17.1	1	06/22/26 13:51	06/22/26 21:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<18.0**	ug/kg	53.1	18.0	1	06/22/26 13:51	06/22/26 21:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<13.7**	ug/kg	53.1	13.7	1	06/22/26 13:51	06/22/26 21:55	79-34-5	
Tetrachloroethene	**<18.5**	ug/kg	53.1	18.5	1	06/22/26 13:51	06/22/26 21:55	127-18-4	
Tetrahydrofuran	**<397**	ug/kg	2120	397	1	06/22/26 13:51	06/22/26 21:55	109-99-9	L1,v1
Toluene	**<21.2**	ug/kg	53.1	21.2	1	06/22/26 13:51	06/22/26 21:55	108-88-3	L1
1,2,3-Trichlorobenzene	**<16.6**	ug/kg	53.1	16.6	1	06/22/26 13:51	06/22/26 21:55	87-61-6	
1,2,4-Trichlorobenzene	**<17.2**	ug/kg	53.1	17.2	1	06/22/26 13:51	06/22/26 21:55	120-82-1	
1,1,1-Trichloroethane	**<16.7**	ug/kg	53.1	16.7	1	06/22/26 13:51	06/22/26 21:55	71-55-6	v1
1,1,2-Trichloroethane	**<16.0**	ug/kg	53.1	16.0	1	06/22/26 13:51	06/22/26 21:55	79-00-5	
Trichloroethene	**<14.3**	ug/kg	53.1	14.3	1	06/22/26 13:51	06/22/26 21:55	79-01-6	
Trichlorofluoromethane	**<62.4**	ug/kg	212	62.4	1	06/22/26 13:51	06/22/26 21:55	75-69-4	v1
1,2,3-Trichloropropane	**<18.5**	ug/kg	212	18.5	1	06/22/26 13:51	06/22/26 21:55	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<21.6**	ug/kg	212	21.6	1	06/22/26 13:51	06/22/26 21:55	76-13-1	
1,2,4-Trimethylbenzene	**<15.4**	ug/kg	53.1	15.4	1	06/22/26 13:51	06/22/26 21:55	95-63-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP01-1_0-1 **Lab ID: 10777153003** Collected: 06/08/26 10:20 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<14.9**	ug/kg	53.1	14.9	1	06/22/26 13:51	06/22/26 21:55	108-67-8	
Vinyl chloride	**<9.8**	ug/kg	21.2	9.8	1	06/22/26 13:51	06/22/26 21:55	75-01-4	
Xylene (Total)	**<30.2**	ug/kg	159	30.2	1	06/22/26 13:51	06/22/26 21:55	1330-20-7	
m&p-Xylene	**<30.2**	ug/kg	106	30.2	1	06/22/26 13:51	06/22/26 21:55	179601-23-1	
o-Xylene	**<16.6**	ug/kg	53.1	16.6	1	06/22/26 13:51	06/22/26 21:55	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/22/26 13:51	06/22/26 21:55	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	75-125		1	06/22/26 13:51	06/22/26 21:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/22/26 13:51	06/22/26 21:55	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-COMP-2_0-1 **Lab ID: 10777153004** Collected: 06/08/26 13:30 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.1**	ug/kg	52.8	13.1	1	06/16/26 18:11	06/17/26 13:48	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.5**	ug/kg	52.8	14.5	1	06/16/26 18:11	06/17/26 13:48	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.0**	ug/kg	52.8	17.0	1	06/16/26 18:11	06/17/26 13:48	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.3**	ug/kg	52.8	19.3	1	06/16/26 18:11	06/17/26 13:48	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.1**	ug/kg	52.8	16.1	1	06/16/26 18:11	06/17/26 13:48	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.9**	ug/kg	52.8	17.9	1	06/16/26 18:11	06/17/26 13:48	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.5**	ug/kg	52.8	15.5	1	06/16/26 18:11	06/17/26 13:48	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	112	%.	30-125		1	06/16/26 18:11	06/17/26 13:48	877-09-8	
Decachlorobiphenyl (S)	109	%.	30-125		1	06/16/26 18:11	06/17/26 13:48	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.6**	mg/kg	1.0	0.17	1	06/23/26 13:27	06/24/26 15:22	7440-38-2	
Barium	**42.7**	mg/kg	0.52	0.078	1	06/23/26 13:27	06/24/26 15:22	7440-39-3	
Cadmium	**0.35**	mg/kg	0.16	0.036	1	06/23/26 13:27	06/24/26 15:22	7440-43-9	
Chromium	**2.9**	mg/kg	0.52	0.15	1	06/23/26 13:27	06/24/26 15:22	7440-47-3	
Lead	**1.1**	mg/kg	0.52	0.23	1	06/23/26 13:27	06/24/26 15:22	7439-92-1	
Selenium	**<0.45**	mg/kg	1.0	0.45	1	06/23/26 13:27	06/24/26 15:22	7782-49-2	
Silver	**<0.042**	mg/kg	0.52	0.042	1	06/23/26 13:27	06/24/26 15:22	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.016J**	mg/kg	0.021	0.0093	1	06/23/26 14:32	06/24/26 09:48	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**9.0**	%	0.10	0.10	1		06/24/26 15:00		N2

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-COMP-2_0-1 **Lab ID: 10777153004** Collected: 06/08/26 13:30 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.2**	ug/kg	10.7	1.2	1	06/16/26 09:34	06/17/26 13:13	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	10.7	1.9	1	06/16/26 09:34	06/17/26 13:13	208-96-8	
Anthracene	**<1.2**	ug/kg	10.7	1.2	1	06/16/26 09:34	06/17/26 13:13	120-12-7	
Benzo(a)anthracene	**<2.0**	ug/kg	10.7	2.0	1	06/16/26 09:34	06/17/26 13:13	56-55-3	
Benzo(a)pyrene	**<1.8**	ug/kg	10.7	1.8	1	06/16/26 09:34	06/17/26 13:13	50-32-8	
Benzo(b)fluoranthene	**<2.5**	ug/kg	10.7	2.5	1	06/16/26 09:34	06/17/26 13:13	205-99-2	
Benzo(g,h,i)perylene	**<2.4**	ug/kg	10.7	2.4	1	06/16/26 09:34	06/17/26 13:13	191-24-2	
Benzo(k)fluoranthene	**<1.4**	ug/kg	10.7	1.4	1	06/16/26 09:34	06/17/26 13:13	207-08-9	
Chrysene	**<1.4**	ug/kg	10.7	1.4	1	06/16/26 09:34	06/17/26 13:13	218-01-9	
Dibenz(a,h)anthracene	**<1.5**	ug/kg	10.7	1.5	1	06/16/26 09:34	06/17/26 13:13	53-70-3	
Fluoranthene	**<2.8**	ug/kg	10.7	2.8	1	06/16/26 09:34	06/17/26 13:13	206-44-0	
Fluorene	**<1.2**	ug/kg	10.7	1.2	1	06/16/26 09:34	06/17/26 13:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.2**	ug/kg	10.7	2.2	1	06/16/26 09:34	06/17/26 13:13	193-39-5	
Naphthalene	**<3.8**	ug/kg	10.7	3.8	1	06/16/26 09:34	06/17/26 13:13	91-20-3	
Phenanthrene	**<2.3**	ug/kg	10.7	2.3	1	06/16/26 09:34	06/17/26 13:13	85-01-8	
Pyrene	**<2.2**	ug/kg	10.7	2.2	1	06/16/26 09:34	06/17/26 13:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	75	%.	61-125		1	06/16/26 09:34	06/17/26 13:13	321-60-8	
p-Terphenyl-d14 (S)	92	%.	61-125		1	06/16/26 09:34	06/17/26 13:13	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP07-1_0-1 **Lab ID: 10777153005** Collected: 06/08/26 13:23 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**<3.2**	mg/kg	11.3	3.2	1	06/16/26 18:13	06/19/26 02:24		
Surrogates									
n-Triacontane (S)	98	%.	50-150		1	06/16/26 18:13	06/19/26 02:24		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.3**	mg/kg	13.4	3.3	1	06/25/26 13:00	06/26/26 13:19		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	80-200		1	06/25/26 13:00	06/26/26 13:19	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**13.6**	%	0.10	0.10	1		06/24/26 15:00		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<428**	ug/kg	1330	428	1	06/22/26 13:51	06/22/26 23:18	67-64-1	
Allyl chloride	**<118**	ug/kg	267	118	1	06/22/26 13:51	06/22/26 23:18	107-05-1	
Benzene	**12.8J**	ug/kg	26.7	9.0	1	06/22/26 13:51	06/22/26 23:18	71-43-2	
Bromobenzene	**<23.1**	ug/kg	66.7	23.1	1	06/22/26 13:51	06/22/26 23:18	108-86-1	
Bromochloromethane	**<21.1**	ug/kg	66.7	21.1	1	06/22/26 13:51	06/22/26 23:18	74-97-5	
Bromodichloromethane	**<27.2**	ug/kg	66.7	27.2	1	06/22/26 13:51	06/22/26 23:18	75-27-4	
Bromoform	**<127**	ug/kg	267	127	1	06/22/26 13:51	06/22/26 23:18	75-25-2	
Bromomethane	**<232**	ug/kg	667	232	1	06/22/26 13:51	06/22/26 23:18	74-83-9	
2-Butanone (MEK)	**<156**	ug/kg	333	156	1	06/22/26 13:51	06/22/26 23:18	78-93-3	
n-Butylbenzene	**<23.3**	ug/kg	66.7	23.3	1	06/22/26 13:51	06/22/26 23:18	104-51-8	
sec-Butylbenzene	**<17.2**	ug/kg	66.7	17.2	1	06/22/26 13:51	06/22/26 23:18	135-98-8	
tert-Butylbenzene	**<19.6**	ug/kg	66.7	19.6	1	06/22/26 13:51	06/22/26 23:18	98-06-6	
Carbon tetrachloride	**<24.4**	ug/kg	66.7	24.4	1	06/22/26 13:51	06/22/26 23:18	56-23-5	
Chlorobenzene	**<19.5**	ug/kg	66.7	19.5	1	06/22/26 13:51	06/22/26 23:18	108-90-7	
Chloroethane	**<184**	ug/kg	667	184	1	06/22/26 13:51	06/22/26 23:18	75-00-3	
Chloroform	**<25.7**	ug/kg	66.7	25.7	1	06/22/26 13:51	06/22/26 23:18	67-66-3	v1
Chloromethane	**<41.1**	ug/kg	267	41.1	1	06/22/26 13:51	06/22/26 23:18	74-87-3	
2-Chlorotoluene	**<18.9**	ug/kg	66.7	18.9	1	06/22/26 13:51	06/22/26 23:18	95-49-8	
4-Chlorotoluene	**<19.9**	ug/kg	66.7	19.9	1	06/22/26 13:51	06/22/26 23:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<111**	ug/kg	667	111	1	06/22/26 13:51	06/22/26 23:18	96-12-8	
Dibromochloromethane	**<66.0**	ug/kg	267	66.0	1	06/22/26 13:51	06/22/26 23:18	124-48-1	
1,2-Dibromoethane (EDB)	**<21.3**	ug/kg	66.7	21.3	1	06/22/26 13:51	06/22/26 23:18	106-93-4	
Dibromomethane	**<27.2**	ug/kg	66.7	27.2	1	06/22/26 13:51	06/22/26 23:18	74-95-3	
1,2-Dichlorobenzene	**<19.5**	ug/kg	66.7	19.5	1	06/22/26 13:51	06/22/26 23:18	95-50-1	
1,3-Dichlorobenzene	**<17.9**	ug/kg	66.7	17.9	1	06/22/26 13:51	06/22/26 23:18	541-73-1	
1,4-Dichlorobenzene	**<17.6**	ug/kg	66.7	17.6	1	06/22/26 13:51	06/22/26 23:18	106-46-7	
Dichlorodifluoromethane	**<35.6**	ug/kg	267	35.6	1	06/22/26 13:51	06/22/26 23:18	75-71-8	v1
1,1-Dichloroethane	**<18.4**	ug/kg	66.7	18.4	1	06/22/26 13:51	06/22/26 23:18	75-34-3	L1,v1

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP07-1_0-1 **Lab ID: 10777153005** Collected: 06/08/26 13:23 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<18.5**	ug/kg	66.7	18.5	1	06/22/26 13:51	06/22/26 23:18	107-06-2	
1,1-Dichloroethene	**<17.7**	ug/kg	66.7	17.7	1	06/22/26 13:51	06/22/26 23:18	75-35-4	
cis-1,2-Dichloroethene	**<20.1**	ug/kg	66.7	20.1	1	06/22/26 13:51	06/22/26 23:18	156-59-2	L1
trans-1,2-Dichloroethene	**<17.7**	ug/kg	66.7	17.7	1	06/22/26 13:51	06/22/26 23:18	156-60-5	L1,v1
Dichlorofluoromethane	**<97.9**	ug/kg	667	97.9	1	06/22/26 13:51	06/22/26 23:18	75-43-4	L1,v1
1,2-Dichloropropane	**<20.3**	ug/kg	66.7	20.3	1	06/22/26 13:51	06/22/26 23:18	78-87-5	
1,3-Dichloropropane	**<21.1**	ug/kg	66.7	21.1	1	06/22/26 13:51	06/22/26 23:18	142-28-9	
2,2-Dichloropropane	**<29.2**	ug/kg	267	29.2	1	06/22/26 13:51	06/22/26 23:18	594-20-7	v1
1,1-Dichloropropene	**<17.1**	ug/kg	66.7	17.1	1	06/22/26 13:51	06/22/26 23:18	563-58-6	
cis-1,3-Dichloropropene	**<22.7**	ug/kg	66.7	22.7	1	06/22/26 13:51	06/22/26 23:18	10061-01-5	
trans-1,3-Dichloropropene	**<20.8**	ug/kg	66.7	20.8	1	06/22/26 13:51	06/22/26 23:18	10061-02-6	
Diethyl ether (Ethyl ether)	**<46.0**	ug/kg	267	46.0	1	06/22/26 13:51	06/22/26 23:18	60-29-7	
Ethylbenzene	**<22.4**	ug/kg	66.7	22.4	1	06/22/26 13:51	06/22/26 23:18	100-41-4	
Hexachloro-1,3-butadiene	**<41.5**	ug/kg	333	41.5	1	06/22/26 13:51	06/22/26 23:18	87-68-3	
Isopropylbenzene (Cumene)	**<16.7**	ug/kg	66.7	16.7	1	06/22/26 13:51	06/22/26 23:18	98-82-8	
p-Isopropyltoluene	**<17.5**	ug/kg	66.7	17.5	1	06/22/26 13:51	06/22/26 23:18	99-87-6	
Methylene Chloride	**<132**	ug/kg	267	132	1	06/22/26 13:51	06/22/26 23:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<129**	ug/kg	333	129	1	06/22/26 13:51	06/22/26 23:18	108-10-1	
Methyl-tert-butyl ether	**<19.5**	ug/kg	66.7	19.5	1	06/22/26 13:51	06/22/26 23:18	1634-04-4	v1
Naphthalene	**<26.7**	ug/kg	267	26.7	1	06/22/26 13:51	06/22/26 23:18	91-20-3	
n-Propylbenzene	**<16.7**	ug/kg	66.7	16.7	1	06/22/26 13:51	06/22/26 23:18	103-65-1	
Styrene	**<21.5**	ug/kg	66.7	21.5	1	06/22/26 13:51	06/22/26 23:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<22.5**	ug/kg	66.7	22.5	1	06/22/26 13:51	06/22/26 23:18	630-20-6	
1,1,2,2-Tetrachloroethane	**<17.2**	ug/kg	66.7	17.2	1	06/22/26 13:51	06/22/26 23:18	79-34-5	
Tetrachloroethene	**<23.2**	ug/kg	66.7	23.2	1	06/22/26 13:51	06/22/26 23:18	127-18-4	
Tetrahydrofuran	**<499**	ug/kg	2670	499	1	06/22/26 13:51	06/22/26 23:18	109-99-9	L1,v1
Toluene	**<26.7**	ug/kg	66.7	26.7	1	06/22/26 13:51	06/22/26 23:18	108-88-3	L1
1,2,3-Trichlorobenzene	**<20.8**	ug/kg	66.7	20.8	1	06/22/26 13:51	06/22/26 23:18	87-61-6	
1,2,4-Trichlorobenzene	**<21.6**	ug/kg	66.7	21.6	1	06/22/26 13:51	06/22/26 23:18	120-82-1	
1,1,1-Trichloroethane	**<20.9**	ug/kg	66.7	20.9	1	06/22/26 13:51	06/22/26 23:18	71-55-6	v1
1,1,2-Trichloroethane	**<20.1**	ug/kg	66.7	20.1	1	06/22/26 13:51	06/22/26 23:18	79-00-5	
Trichloroethene	**<18.0**	ug/kg	66.7	18.0	1	06/22/26 13:51	06/22/26 23:18	79-01-6	
Trichlorofluoromethane	**<78.3**	ug/kg	267	78.3	1	06/22/26 13:51	06/22/26 23:18	75-69-4	v1
1,2,3-Trichloropropane	**<23.2**	ug/kg	267	23.2	1	06/22/26 13:51	06/22/26 23:18	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<27.1**	ug/kg	267	27.1	1	06/22/26 13:51	06/22/26 23:18	76-13-1	
1,2,4-Trimethylbenzene	**<19.3**	ug/kg	66.7	19.3	1	06/22/26 13:51	06/22/26 23:18	95-63-6	
1,3,5-Trimethylbenzene	**<18.7**	ug/kg	66.7	18.7	1	06/22/26 13:51	06/22/26 23:18	108-67-8	
Vinyl chloride	**<12.3**	ug/kg	26.7	12.3	1	06/22/26 13:51	06/22/26 23:18	75-01-4	
Xylene (Total)	**<37.9**	ug/kg	200	37.9	1	06/22/26 13:51	06/22/26 23:18	1330-20-7	
m&p-Xylene	**<37.9**	ug/kg	133	37.9	1	06/22/26 13:51	06/22/26 23:18	179601-23-1	
o-Xylene	**<20.8**	ug/kg	66.7	20.8	1	06/22/26 13:51	06/22/26 23:18	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/22/26 13:51	06/22/26 23:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Sample: E-TP07-1_0-1 **Lab ID: 10777153005** Collected: 06/08/26 13:23 Received: 06/11/26 07:54 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	108	%.	75-125		1	06/22/26 13:51	06/22/26 23:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/22/26 13:51	06/22/26 23:18	2199-69-1	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

QC Batch: 1072135
QC Batch Method: EPA 5030 Medium Soil
Analysis Method: WI MOD GRO
Analysis Description: WIGRO Solid GCV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777153002, 10777153003, 10777153005

METHOD BLANK: 5571972 Matrix: Solid

Associated Lab Samples: 10777153002, 10777153003, 10777153005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.4	10.0	2.4	06/26/26 07:54	
a,a,a-Trifluorotoluene (S)	%.	93	80-200		06/26/26 07:54	

LABORATORY CONTROL SAMPLE & LCSD: 5571973 5571974

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	47.6	46.6	95	93	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%.				92	98	80-200			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

QC Batch: 1071108
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777153001, 10777153003, 10777153004

METHOD BLANK: 5566558 Matrix: Solid

Associated Lab Samples: 10777153001, 10777153003, 10777153004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.0080	0.018	0.0080	06/24/26 09:29	

LABORATORY CONTROL SAMPLE: 5566559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.44	0.47	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5566560 5566561

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.040	0.45	0.46	0.50	0.50	102	98	80-120	1	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

QC Batch: 1071101
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777153001, 10777153003, 10777153004

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METHOD BLANK: 5566500 Matrix: Solid

Associated Lab Samples: 10777153001, 10777153003, 10777153004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.16	0.96	0.16	06/24/26 14:37	
Barium	mg/kg	0.10J	0.48	0.071	06/24/26 14:37	
Cadmium	mg/kg	<0.034	0.14	0.034	06/24/26 14:37	
Chromium	mg/kg	<0.14	0.48	0.14	06/24/26 14:37	
Lead	mg/kg	<0.22	0.48	0.22	06/24/26 14:37	
Selenium	mg/kg	<0.42	0.96	0.42	06/24/26 14:37	
Silver	mg/kg	<0.038	0.48	0.038	06/24/26 14:37	

LABORATORY CONTROL SAMPLE: 5566501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	47.8	47.2	99	80-120	
Barium	mg/kg	47.8	50.9	106	80-120	
Cadmium	mg/kg	47.8	47.8	100	80-120	
Chromium	mg/kg	47.8	50.4	105	80-120	
Lead	mg/kg	47.8	47.7	100	80-120	
Selenium	mg/kg	47.8	43.8	91	80-120	
Silver	mg/kg	23.9	22.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5566502 5566503

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	3.3	50.7	49.2	47.1	44.9	86	85	75-125	5	20	
Barium	mg/kg	33.5	50.7	49.2	89.9	79.8	111	94	75-125	12	20	
Cadmium	mg/kg	0.64	50.7	49.2	44.8	43.6	87	87	75-125	3	20	
Chromium	mg/kg	17.1	50.7	49.2	66.9	62.3	98	92	75-125	7	20	
Lead	mg/kg	27.4	50.7	49.2	64.9	63.1	74	73	75-125	3	20	M1
Selenium	mg/kg	0.76J	50.7	49.2	38.6	35.9	75	71	75-125	7	20	M1
Silver	mg/kg	1.4	25.4	24.7	23.5	23.5	87	90	75-125	0	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

QC Batch	1071888	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight / %M by ASTM D2974
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777153001, 10777153002, 10777153003, 10777153004, 10777153005

SAMPLE DUPLICATE: 5571199

Parameter	Units	10777153004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.0	9.0	0	30	N2

SAMPLE DUPLICATE: 5571200

Parameter	Units	10777154015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.0	14.7	25	30	N2

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

QC Batch	1071460	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260D MSV 5030 Med Level
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777153002, 10777153003, 10777153005

METHOD BLANK: 5568555 Matrix: Solid

Associated Lab Samples: 10777153002, 10777153003, 10777153005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<16.9	50.0	16.9	06/22/26 20:49	
1,1,1-Trichloroethane	ug/kg	<15.7	50.0	15.7	06/22/26 20:49	v1
1,1,2,2-Tetrachloroethane	ug/kg	<12.9	50.0	12.9	06/22/26 20:49	
1,1,2-Trichloroethane	ug/kg	<15.1	50.0	15.1	06/22/26 20:49	
1,1,2-Trichlorotrifluoroethane	ug/kg	<20.3	200	20.3	06/22/26 20:49	
1,1-Dichloroethane	ug/kg	<13.8	50.0	13.8	06/22/26 20:49	v1
1,1-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/22/26 20:49	
1,1-Dichloropropene	ug/kg	<12.8	50.0	12.8	06/22/26 20:49	
1,2,3-Trichlorobenzene	ug/kg	<15.6	50.0	15.6	06/22/26 20:49	
1,2,3-Trichloropropane	ug/kg	<17.4	200	17.4	06/22/26 20:49	
1,2,4-Trichlorobenzene	ug/kg	<16.2	50.0	16.2	06/22/26 20:49	
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/22/26 20:49	
1,2-Dibromo-3-chloropropane	ug/kg	<83.3	500	83.3	06/22/26 20:49	
1,2-Dibromoethane (EDB)	ug/kg	<16.0	50.0	16.0	06/22/26 20:49	
1,2-Dichlorobenzene	ug/kg	<14.6	50.0	14.6	06/22/26 20:49	
1,2-Dichloroethane	ug/kg	<13.9	50.0	13.9	06/22/26 20:49	
1,2-Dichloropropane	ug/kg	<15.2	50.0	15.2	06/22/26 20:49	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/22/26 20:49	
1,3-Dichlorobenzene	ug/kg	<13.4	50.0	13.4	06/22/26 20:49	
1,3-Dichloropropane	ug/kg	<15.8	50.0	15.8	06/22/26 20:49	
1,4-Dichlorobenzene	ug/kg	<13.2	50.0	13.2	06/22/26 20:49	
2,2-Dichloropropane	ug/kg	<21.9	200	21.9	06/22/26 20:49	v1
2-Butanone (MEK)	ug/kg	<117	250	117	06/22/26 20:49	
2-Chlorotoluene	ug/kg	<14.2	50.0	14.2	06/22/26 20:49	
4-Chlorotoluene	ug/kg	<14.9	50.0	14.9	06/22/26 20:49	
4-Methyl-2-pentanone (MIBK)	ug/kg	<96.6	250	96.6	06/22/26 20:49	
Acetone	ug/kg	<321	1000	321	06/22/26 20:49	
Allyl chloride	ug/kg	<88.2	200	88.2	06/22/26 20:49	
Benzene	ug/kg	<6.7	20.0	6.7	06/22/26 20:49	
Bromobenzene	ug/kg	<17.3	50.0	17.3	06/22/26 20:49	
Bromochloromethane	ug/kg	<15.8	50.0	15.8	06/22/26 20:49	
Bromodichloromethane	ug/kg	<20.4	50.0	20.4	06/22/26 20:49	
Bromoform	ug/kg	<95.5	200	95.5	06/22/26 20:49	
Bromomethane	ug/kg	<174	500	174	06/22/26 20:49	
Carbon tetrachloride	ug/kg	<18.3	50.0	18.3	06/22/26 20:49	
Chlorobenzene	ug/kg	<14.6	50.0	14.6	06/22/26 20:49	
Chloroethane	ug/kg	<138	500	138	06/22/26 20:49	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

METHOD BLANK: 5568555 Matrix: Solid

Associated Lab Samples: 10777153002, 10777153003, 10777153005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	ug/kg	<19.3	50.0	19.3	06/22/26 20:49	v1
Chloromethane	ug/kg	<30.8	200	30.8	06/22/26 20:49	
cis-1,2-Dichloroethene	ug/kg	<15.1	50.0	15.1	06/22/26 20:49	
cis-1,3-Dichloropropene	ug/kg	<17.0	50.0	17.0	06/22/26 20:49	
Dibromochloromethane	ug/kg	<49.5	200	49.5	06/22/26 20:49	
Dibromomethane	ug/kg	<20.4	50.0	20.4	06/22/26 20:49	
Dichlorodifluoromethane	ug/kg	<26.7	200	26.7	06/22/26 20:49	v1
Dichlorofluoromethane	ug/kg	<73.4	500	73.4	06/22/26 20:49	v1
Diethyl ether (Ethyl ether)	ug/kg	<34.5	200	34.5	06/22/26 20:49	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/22/26 20:49	
Hexachloro-1,3-butadiene	ug/kg	<31.1	250	31.1	06/22/26 20:49	
Isopropylbenzene (Cumene)	ug/kg	<12.5	50.0	12.5	06/22/26 20:49	
m&p-Xylene	ug/kg	<28.4	100	28.4	06/22/26 20:49	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/22/26 20:49	v1
Methylene Chloride	ug/kg	<99.3	200	99.3	06/22/26 20:49	
n-Butylbenzene	ug/kg	<17.5	50.0	17.5	06/22/26 20:49	
n-Propylbenzene	ug/kg	<12.5	50.0	12.5	06/22/26 20:49	
Naphthalene	ug/kg	<20.0	200	20.0	06/22/26 20:49	
o-Xylene	ug/kg	<15.6	50.0	15.6	06/22/26 20:49	
p-Isopropyltoluene	ug/kg	<13.1	50.0	13.1	06/22/26 20:49	
sec-Butylbenzene	ug/kg	<12.9	50.0	12.9	06/22/26 20:49	
Styrene	ug/kg	<16.1	50.0	16.1	06/22/26 20:49	
tert-Butylbenzene	ug/kg	<14.7	50.0	14.7	06/22/26 20:49	
Tetrachloroethene	ug/kg	<17.4	50.0	17.4	06/22/26 20:49	
Tetrahydrofuran	ug/kg	<374	2000	374	06/22/26 20:49	v1
Toluene	ug/kg	<20.0	50.0	20.0	06/22/26 20:49	
trans-1,2-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/22/26 20:49	v1
trans-1,3-Dichloropropene	ug/kg	<15.6	50.0	15.6	06/22/26 20:49	
Trichloroethene	ug/kg	<13.5	50.0	13.5	06/22/26 20:49	
Trichlorofluoromethane	ug/kg	<58.7	200	58.7	06/22/26 20:49	v1
Vinyl chloride	ug/kg	<9.2	20.0	9.2	06/22/26 20:49	
Xylene (Total)	ug/kg	<28.4	150	28.4	06/22/26 20:49	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		06/22/26 20:49	
4-Bromofluorobenzene (S)	%.	109	75-125		06/22/26 20:49	
Toluene-d8 (S)	%.	104	75-125		06/22/26 20:49	

LABORATORY CONTROL SAMPLE & LCSD: 5568556 5568557

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1070	1120	107	112	69-133	5	20	
1,1,1-Trichloroethane	ug/kg	1000	1330	1320	133	132	75-135	1	20	1M,v1
1,1,2,2-Tetrachloroethane	ug/kg	1000	1080	1080	108	108	67-125	0	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

LABORATORY CONTROL SAMPLE & LCSD:		5568556		5568557						
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/kg	1000	1060	1070	106	107	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1230	1220	123	122	73-140	0	20	
1,1-Dichloroethane	ug/kg	1000	1360	1340	136	134	75-129	1	20	L1,v1
1,1-Dichloroethene	ug/kg	1000	1220	1220	122	122	75-129	0	20	
1,1-Dichloropropene	ug/kg	1000	1260	1230	126	123	75-131	3	20	
1,2,3-Trichlorobenzene	ug/kg	1000	1080	1120	108	112	73-128	4	20	
1,2,3-Trichloropropane	ug/kg	1000	1060	1080	106	108	75-125	2	20	
1,2,4-Trichlorobenzene	ug/kg	1000	1090	1100	109	110	74-128	0	20	
1,2,4-Trimethylbenzene	ug/kg	1000	1150	1140	115	114	75-125	0	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	934	1040	93	104	62-128	11	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	1070	1080	107	108	75-125	1	20	
1,2-Dichlorobenzene	ug/kg	1000	1060	1090	106	109	72-125	3	20	
1,2-Dichloroethane	ug/kg	1000	1290	1290	129	129	75-133	0	20	
1,2-Dichloropropane	ug/kg	1000	1290	1280	129	128	75-132	0	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1120	1150	112	115	75-125	2	20	
1,3-Dichlorobenzene	ug/kg	1000	1100	1130	110	113	75-125	3	20	
1,3-Dichloropropane	ug/kg	1000	1160	1180	116	118	75-125	1	20	
1,4-Dichlorobenzene	ug/kg	1000	1090	1110	109	111	75-125	1	20	
2,2-Dichloropropane	ug/kg	1000	1240	1230	124	123	66-134	1	20	v1
2-Butanone (MEK)	ug/kg	5000	6720	6620	134	132	65-138	1	20	1M
2-Chlorotoluene	ug/kg	1000	1130	1150	113	115	75-125	2	20	
4-Chlorotoluene	ug/kg	1000	1140	1140	114	114	75-128	0	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	5950	5830	119	117	75-130	2	20	
Acetone	ug/kg	5000	6400	6240	128	125	68-136	3	20	
Allyl chloride	ug/kg	1000	1260	1180	126	118	75-130	6	20	
Benzene	ug/kg	1000	1310	1300	131	130	75-133	1	20	1M
Bromobenzene	ug/kg	1000	1150	1130	115	113	75-125	2	20	
Bromochloromethane	ug/kg	1000	1230	1200	123	120	75-131	2	20	
Bromodichloromethane	ug/kg	1000	1170	1200	117	120	72-137	3	20	
Bromoform	ug/kg	1000	1030	1060	103	106	65-130	2	20	
Bromomethane	ug/kg	1000	1130	1110	113	111	48-150	2	20	
Carbon tetrachloride	ug/kg	1000	1200	1190	120	119	68-141	1	20	
Chlorobenzene	ug/kg	1000	1110	1090	111	109	75-125	2	20	
Chloroethane	ug/kg	1000	1280	1200	128	120	53-150	7	20	
Chloroform	ug/kg	1000	1300	1270	130	127	75-131	3	20	v1
Chloromethane	ug/kg	1000	1260	1230	126	123	72-137	2	20	
cis-1,2-Dichloroethene	ug/kg	1000	1300	1270	130	127	75-128	2	20	L1
cis-1,3-Dichloropropene	ug/kg	1000	1240	1240	124	124	75-127	0	20	
Dibromochloromethane	ug/kg	1000	970	1020	97	102	59-135	5	20	
Dibromomethane	ug/kg	1000	1230	1180	123	118	75-128	4	20	
Dichlorodifluoromethane	ug/kg	1000	1380	1310	138	131	63-150	5	20	1M,v1
Dichlorofluoromethane	ug/kg	1000	1380	1320	138	132	72-136	4	20	1M,L1,v1
Diethyl ether (Ethyl ether)	ug/kg	1000	1280	1260	128	126	75-131	2	20	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

LABORATORY CONTROL SAMPLE & LCSD:		5568556			5568557					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/kg	1000	1150	1150	115	115	75-125	0	20	
Hexachloro-1,3-butadiene	ug/kg	1000	1060	1120	106	112	66-134	5	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1140	1140	114	114	75-125	1	20	
m&p-Xylene	ug/kg	2000	2240	2250	112	113	75-125	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1320	1330	132	133	75-133	1	20	1M,v1
Methylene Chloride	ug/kg	1000	1110	1080	111	108	75-125	3	20	
n-Butylbenzene	ug/kg	1000	1040	1070	104	107	71-127	3	20	
n-Propylbenzene	ug/kg	1000	1140	1140	114	114	75-125	0	20	
Naphthalene	ug/kg	1000	1150	1160	115	116	75-125	0	20	
o-Xylene	ug/kg	1000	1060	1060	106	106	75-125	0	20	
p-Isopropyltoluene	ug/kg	1000	1110	1140	111	114	75-125	3	20	
sec-Butylbenzene	ug/kg	1000	1120	1150	112	115	75-125	2	20	
Styrene	ug/kg	1000	1120	1120	112	112	75-125	0	20	
tert-Butylbenzene	ug/kg	1000	1130	1140	113	114	75-126	0	20	
Tetrachloroethene	ug/kg	1000	1020	1040	102	104	75-126	2	20	
Tetrahydrofuran	ug/kg	5000	6780	6390	136	128	71-135	6	20	L1,v1
Toluene	ug/kg	1000	1270	1260	127	126	75-125	1	20	L1
trans-1,2-Dichloroethene	ug/kg	1000	1320	1280	132	128	75-130	3	20	L1,v1
trans-1,3-Dichloropropene	ug/kg	1000	1120	1180	112	118	73-125	6	20	
Trichloroethene	ug/kg	1000	1260	1240	126	124	73-146	1	20	
Trichlorofluoromethane	ug/kg	1000	1330	1270	133	127	66-149	5	20	1M,v1
Vinyl chloride	ug/kg	1000	1160	1120	116	112	75-138	4	20	
Xylene (Total)	ug/kg	3000	3300	3320	110	111	75-125	1	20	
1,2-Dichlorobenzene-d4 (S)	%.				99	99	75-125			
4-Bromofluorobenzene (S)	%.				108	107	75-125			
Toluene-d8 (S)	%.				104	104	75-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

QC Batch: 1070450
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777153001, 10777153003, 10777153004

METHOD BLANK: 5562506 Matrix: Solid

Associated Lab Samples: 10777153001, 10777153003, 10777153004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.4	50.0	12.4	06/17/26 12:12	
PCB-1221 (Aroclor 1221)	ug/kg	<13.7	50.0	13.7	06/17/26 12:12	
PCB-1232 (Aroclor 1232)	ug/kg	<16.1	50.0	16.1	06/17/26 12:12	
PCB-1242 (Aroclor 1242)	ug/kg	<18.3	50.0	18.3	06/17/26 12:12	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	15.2	06/17/26 12:12	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9	50.0	16.9	06/17/26 12:12	
PCB-1260 (Aroclor 1260)	ug/kg	<14.7	50.0	14.7	06/17/26 12:12	
Decachlorobiphenyl (S)	%.	123	30-125		06/17/26 12:12	
Tetrachloro-m-xylene (S)	%.	136	30-125		06/17/26 12:12	S3

LABORATORY CONTROL SAMPLE: 5562507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	1130	113	69-125	
PCB-1260 (Aroclor 1260)	ug/kg	1000	1180	118	69-125	
Decachlorobiphenyl (S)	%.			118	30-125	
Tetrachloro-m-xylene (S)	%.			113	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5562508 5562509

Parameter	Units	10777153001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.8	1060	1060	1040	1350	98	127	33-128	26	30	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	1060	1060	1040	1360	98	128	30-131	27	30	
Decachlorobiphenyl (S)	%.						95	119	30-125			
Tetrachloro-m-xylene (S)	%.						101	124	30-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

QC Batch 1070449 — Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3546 — Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777153001, 10777153003, 10777153004

METHOD BLANK: 5562502 — Matrix: Solid

Associated Lab Samples: 10777153001, 10777153003, 10777153004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/17/26 02:20	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/17/26 02:20	
Anthracene	ug/kg	<1.2	10.0	1.2	06/17/26 02:20	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/17/26 02:20	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/17/26 02:20	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/17/26 02:20	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/17/26 02:20	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/17/26 02:20	
Chrysene	ug/kg	<1.3	10.0	1.3	06/17/26 02:20	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/17/26 02:20	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/17/26 02:20	
Fluorene	ug/kg	<1.1	10.0	1.1	06/17/26 02:20	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/17/26 02:20	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/17/26 02:20	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/17/26 02:20	
Pyrene	ug/kg	<2.1	10.0	2.1	06/17/26 02:20	
2-Fluorobiphenyl (S)	%.	81	61-125		06/17/26 02:20	
p-Terphenyl-d14 (S)	%.	97	61-125		06/17/26 02:20	

LABORATORY CONTROL SAMPLE: 5562503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	77.5	77	50-125	
Acenaphthylene	ug/kg	100	78.1	78	53-125	
Anthracene	ug/kg	100	85.1	85	58-125	
Benzo(a)anthracene	ug/kg	100	77.4	77	60-125	
Benzo(a)pyrene	ug/kg	100	88.8	89	64-125	
Benzo(b)fluoranthene	ug/kg	100	84.7	85	60-125	
Benzo(g,h,i)perylene	ug/kg	100	90.1	90	59-125	
Benzo(k)fluoranthene	ug/kg	100	91.0	91	62-125	
Chrysene	ug/kg	100	79.2	79	64-125	
Dibenz(a,h)anthracene	ug/kg	100	102	102	62-125	
Fluoranthene	ug/kg	100	82.6	83	62-125	
Fluorene	ug/kg	100	75.6	76	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	90.5	91	58-125	
Naphthalene	ug/kg	100	69.0	69	46-125	
Phenanthrene	ug/kg	100	73.6	74	59-125	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

LABORATORY CONTROL SAMPLE: 5562503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	87.2	87	59-125	
2-Fluorobiphenyl (S)	%.			77	61-125	
p-Terphenyl-d14 (S)	%.			91	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5562504 5562505

Parameter	Units	10777133001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	ND	106	106	84.2	83.3	79	78	30-150	1	30	
Acenaphthylene	ug/kg	24.3	106	106	107	110	78	80	30-138	2	30	
Anthracene	ug/kg	18.7	106	106	118	108	94	83	30-150	10	30	
Benzo(a)anthracene	ug/kg	61.2	106	106	160	144	93	78	30-150	10	30	
Benzo(a)pyrene	ug/kg	90.7	106	106	197	186	100	90	30-150	6	30	
Benzo(b)fluoranthene	ug/kg	138	106	106	246	220	102	78	30-150	11	30	
Benzo(g,h,i)perylene	ug/kg	84.8	106	106	186	181	96	91	30-150	3	30	
Benzo(k)fluoranthene	ug/kg	52.1	106	106	151	145	92	88	30-150	3	30	
Chrysene	ug/kg	79.6	106	106	172	146	87	62	30-150	17	30	
Dibenz(a,h)anthracene	ug/kg	ND	106	106	99.7	104	94	98	30-150	5	30	
Fluoranthene	ug/kg	160	106	106	295	240	126	75	30-150	21	30	
Fluorene	ug/kg	ND	106	106	89.7	90.0	84	85	30-150	0	30	
Indeno(1,2,3-cd)pyrene	ug/kg	86.5	106	106	192	183	99	91	30-150	5	30	
Naphthalene	ug/kg	ND	106	106	63.6	58.4	60	55	30-150	9	30	
Phenanthrene	ug/kg	71.0	106	106	185	151	107	75	30-150	20	30	
Pyrene	ug/kg	139	106	106	258	223	112	79	30-150	15	30	
2-Fluorobiphenyl (S)	%.						63	66	61-125			
p-Terphenyl-d14 (S)	%.						86	83	61-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

QC Batch: 1070501
QC Batch Method: WI MOD DRO
Analysis Method: WI MOD DRO
Analysis Description: WIDRO GCS
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777153002, 10777153003, 10777153005

METHOD BLANK: 5562707 Matrix: Solid

Associated Lab Samples: 10777153002, 10777153003, 10777153005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
WDRO C10-C28	mg/kg	<2.8	10.0	2.8	06/19/26 00:32	
n-Triacontane (S)	%.	94	50-150		06/19/26 00:32	CH

LABORATORY CONTROL SAMPLE & LCSD: 5562708 5562709

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	80	66.9	80.4	84	101	70-120	18	20	
n-Triacontane (S)	%.				101	126	50-150			CH

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QUALIFIERS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

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 adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 1071592
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072403
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1M	Recovery was within charted limits but above 70-130% MPCA guideline limits.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
G-	Early peaks present outside the GRO window.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777153

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10777153001	**E-COMP-1_0-1**	EPA 3546	1070450	EPA 8082A	1070738
10777153003	**E-TP01-1_0-1**	EPA 3546	1070450	EPA 8082A	1070738
10777153004	**E-COMP-2_0-1**	EPA 3546	1070450	EPA 8082A	1070738
10777153002	**E-TP04-1_0-1**	WI MOD DRO	1070501	WI MOD DRO	1071077
10777153003	**E-TP01-1_0-1**	WI MOD DRO	1070501	WI MOD DRO	1071077
10777153005	**E-TP07-1_0-1**	WI MOD DRO	1070501	WI MOD DRO	1071077
10777153002	**E-TP04-1_0-1**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10777153003	**E-TP01-1_0-1**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10777153005	**E-TP07-1_0-1**	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10777153001	**E-COMP-1_0-1**	EPA 3050B	1071101	EPA 6010D	1071850
10777153003	**E-TP01-1_0-1**	EPA 3050B	1071101	EPA 6010D	1071850
10777153004	**E-COMP-2_0-1**	EPA 3050B	1071101	EPA 6010D	1071850
10777153001	**E-COMP-1_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10777153003	**E-TP01-1_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10777153004	**E-COMP-2_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10777153001	**E-COMP-1_0-1**	ASTM D2974	1071888		
10777153002	**E-TP04-1_0-1**	ASTM D2974	1071888		
10777153003	**E-TP01-1_0-1**	ASTM D2974	1071888		
10777153004	**E-COMP-2_0-1**	ASTM D2974	1071888		
10777153005	**E-TP07-1_0-1**	ASTM D2974	1071888		
10777153001	**E-COMP-1_0-1**	EPA 3546	1070449	EPA 8270E by SIM	1070626
10777153003	**E-TP01-1_0-1**	EPA 3546	1070449	EPA 8270E by SIM	1070626
10777153004	**E-COMP-2_0-1**	EPA 3546	1070449	EPA 8270E by SIM	1070626
10777153002	**E-TP04-1_0-1**	EPA 5035/5030B	1071460	EPA 8260D	1071592
10777153003	**E-TP01-1_0-1**	EPA 5035/5030B	1071460	EPA 8260D	1071592
10777153005	**E-TP07-1_0-1**	EPA 5035/5030B	1071460	EPA 8260D	1071592

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BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number: COC 1 of 1

Matrix Code: GW = Groundwater … SQ = MeOH blank, OTH = Other (Oil, etc.)
Preservative Code: A = None … J = Zn Acetate, K = Other

WO#: 10777153

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y/N	Total Number Of Containers	Water: SOIL - PVOCs	SOIL - VOCs	DRO	GRO	RCRA Metals	PAHs	PCBs	Soil: % Solids	Preservative Code	Field Filtered Y/N	
1. E-COMP-1	0	1	ft	06/08/2026	11:27	S	N	2					1	1	1	1			North MM - Conf 001
2. E-TP04-1	0	1	ft	06/08/2026	~~10:20~~ 11:25	S	N	6			1	1	1			1			North MM - Conf 002
3. E-TP01-1	0	1	ft	06/08/2026	10:20	S	N	6			1	1	1	1	1	1			North Veg 003
4. E-COMP-2	0	1	ft	06/08/2026	13:30	S	N	2	JP	JP	JP	1	1	1	1	1			South MM - Conf 004
5. E-TP07-1	0	1	ft	06/08/2026	13:23	S	N	6		1	1	1				1			South MM - Conf 005
6. E-TP02-1	0	1	ft	06/08/2026	11:33	S	N	2											Hold 006
7. E-TP03-1	0	1	ft	06/08/2026	11:36	S	N	2											Hold 007
8. E-TP05-1	0	1	ft	06/08/2026	12:35	S	N	2											Hold 008
9. E-TP06-1	0	1	ft	06/08/2026	12:43	S	N	2											Hold 009
10. E-TP08-1	0	1	ft	06/08/2026	13:35	S	N	2											Hold 010

6/15/26 MM

BARR USE ONLY
Sampled by: JSP
Barr Proj. Manager: Tristan Beaster
Barr DQ Manager: Jim Taraldsen
Lab Name: Pace Analytical
Lab Location: MPLS

Relinquished by: _____ On Ice? Y N — Date — Time
Relinquished by: [signature] On Ice? Y N — Date 6/11/26 — Time 0754
Received by: [signature] Date 6/11/26 — Time 0754
Received by: _____ Date _____ — Time _____

Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____
Air Bill Number:
Lab WO:
Temperature on Receipt (°C): 2.0 Custody Seal Intact? ☐ Y ☐ N ☒ None

Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

(DW 33) 4/2, 6/11/26

Rel: [signature] 6/11/26 1050

Rec: [signature] 6/11/26 0800

H:\AAN\Chain of Custody Form 2024.rtf; 04/12/2024

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: AGD 6/15/26 **PROJECT #:**

WO#: 10777153
PM: CD3 **Due Date: 06/25/26**
CLIENT: BARR

Client Name: Barr

Custody Seal Present: ☐ YES ☑ NO **Seals Intact:** ☐ YES ☑ NO

Tracking Number: ☐ 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 ≤ 6°C, but above freezing.
Read Temp w/Temp Blank: 2.0 °C
Correction Factor: True
Corrected Temp w/Temp Blank: 2.0 °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, 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? **NOTE:** < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☑	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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? – Pace Containers Used?	☑ ☑	☐ ☐	☐	8.
Containers Intact?	☑	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☑ Soil ☐ Water ☐ Other	☑	☐	☐	11. ☐ 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) **EXCEPTIONS (water only):** VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐ ☐	☐ ☐	☑ ☑	☐ See Exceptions form ENV-FRM-MIN4-0142
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:** AGD **Line:** 2

Person Contacted & Date/Time: _____ **PM Review & Date:** Craig D Douglas 06/16/2026

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.*

ENV-FRM-MIN4-0300 v01_Container Count

WATERS																
Sample #	BP1U	BP2U	BP3U	BP3S	BP1N	BP3N	AG1U	AG2U	AG3U	AG5U	AG1T	AG2H	AG3H	AG3S	DG9S	VG9H	GN

SOILS / SOLIDS										
Sample #	WPDU	JGNU	JGFU	BJTU	JTFU	JGFM	VG9M	DWC	ZPLU	GN
001			2							
002			2		1		3			
003			2		1		3			
004			2							
005			2		1		3			
006			2							
007			2							
008-010			2							

PFAS					
Sample #	NT2U	NT3U	NT4U	NTCU	NT6U

GN Containers (description):

Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000124.D

Date : 19-JUN-2026 02:10

Client ID: E-TP04-1_0-1

Instrument: 10gcs9.i

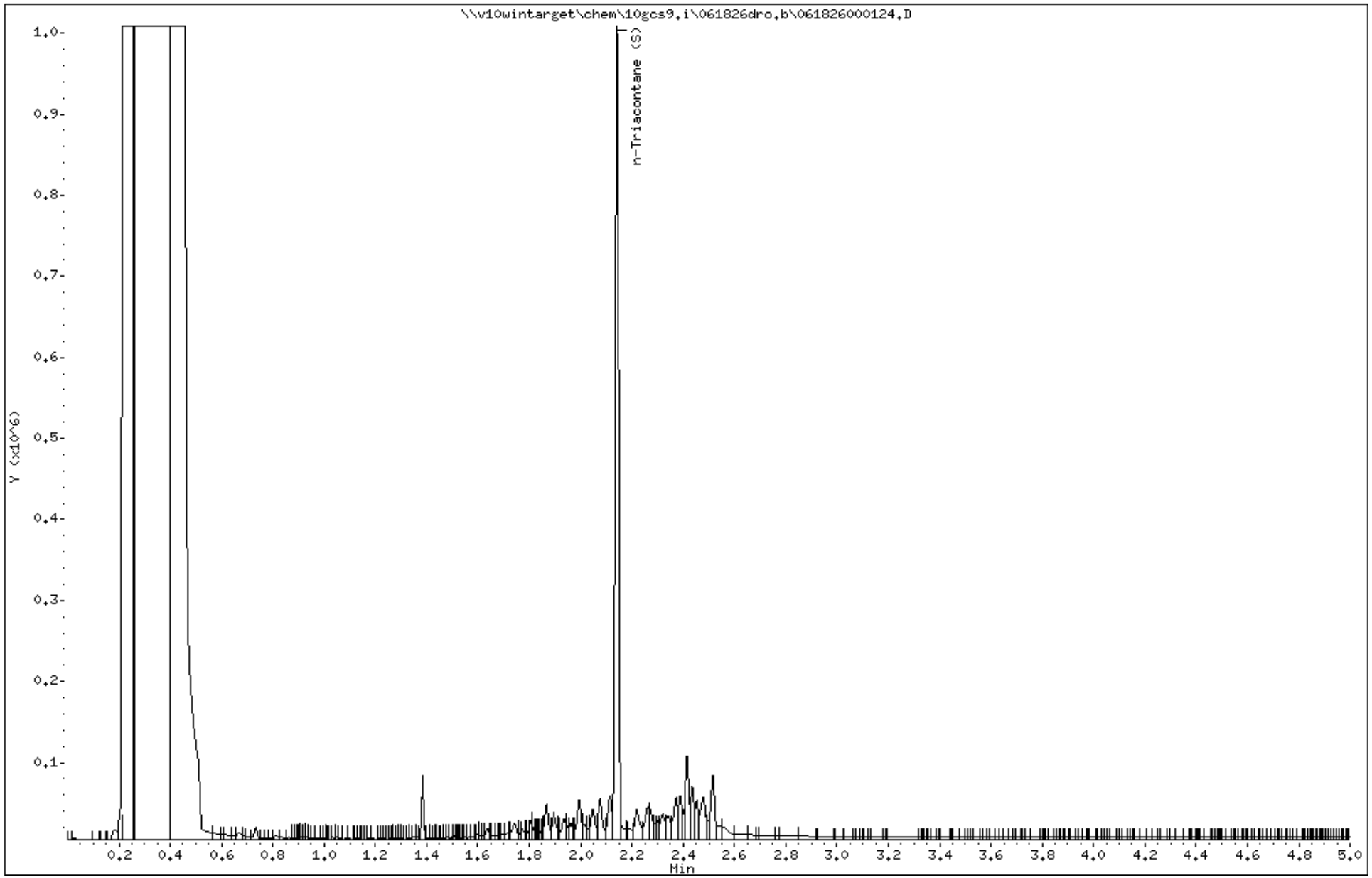
Sample Info: 10777153002

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000125.D

Date : 19-JUN-2026 02:17

Client ID: E-TP01-1_0-1

Instrument: 10gcs9.i

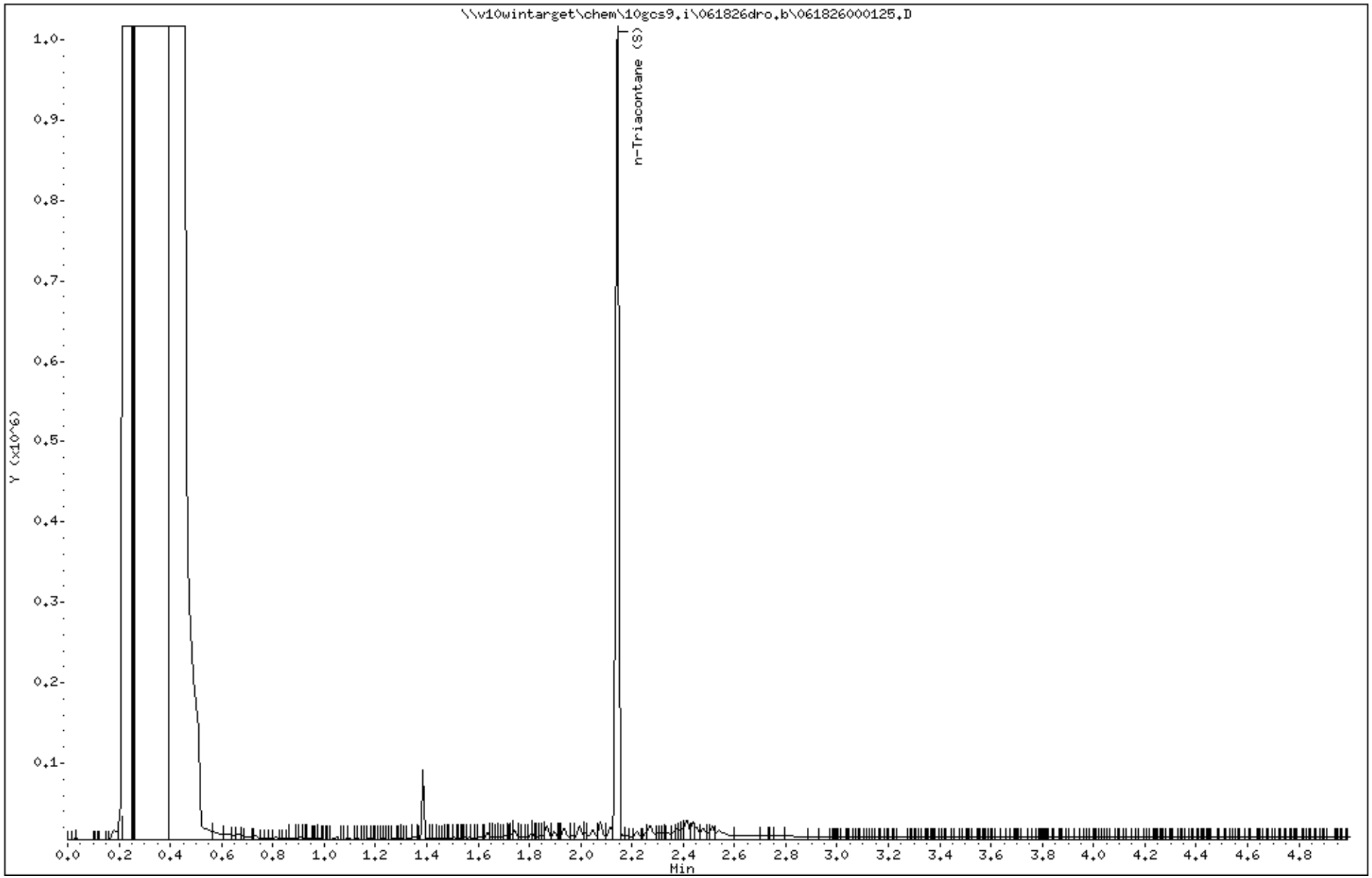
Sample Info: 10777153003

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000126.D

Date : 19-JUN-2026 02:24

Client ID: E-TP07-1_0-1

Instrument: 10gcs9.i

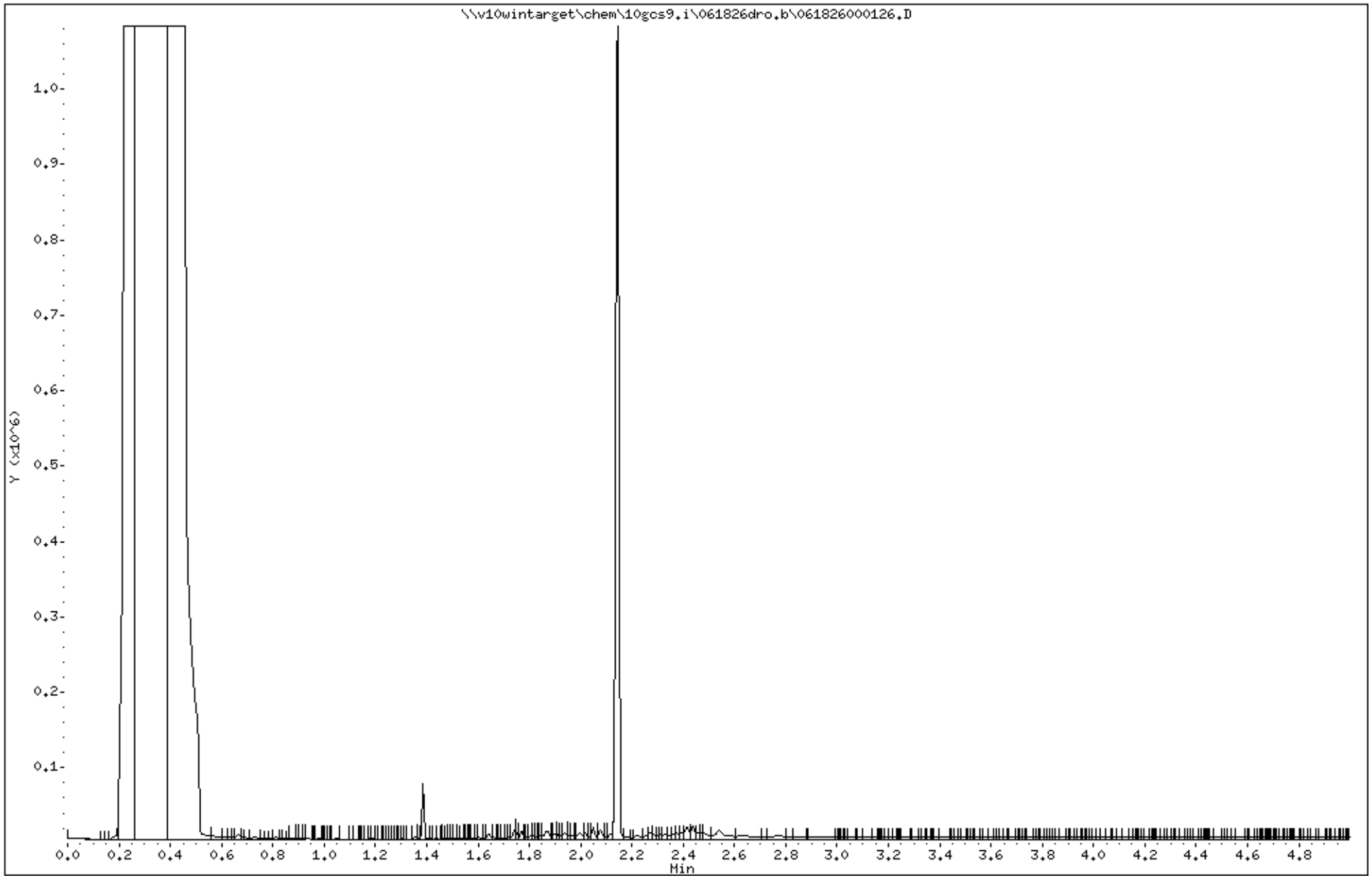
Sample Info: 10777153005

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcv5.i\062826.b\0628060.D

Date : 29-JUN-2026 13:42

Client ID: E-TP04-1_0-1

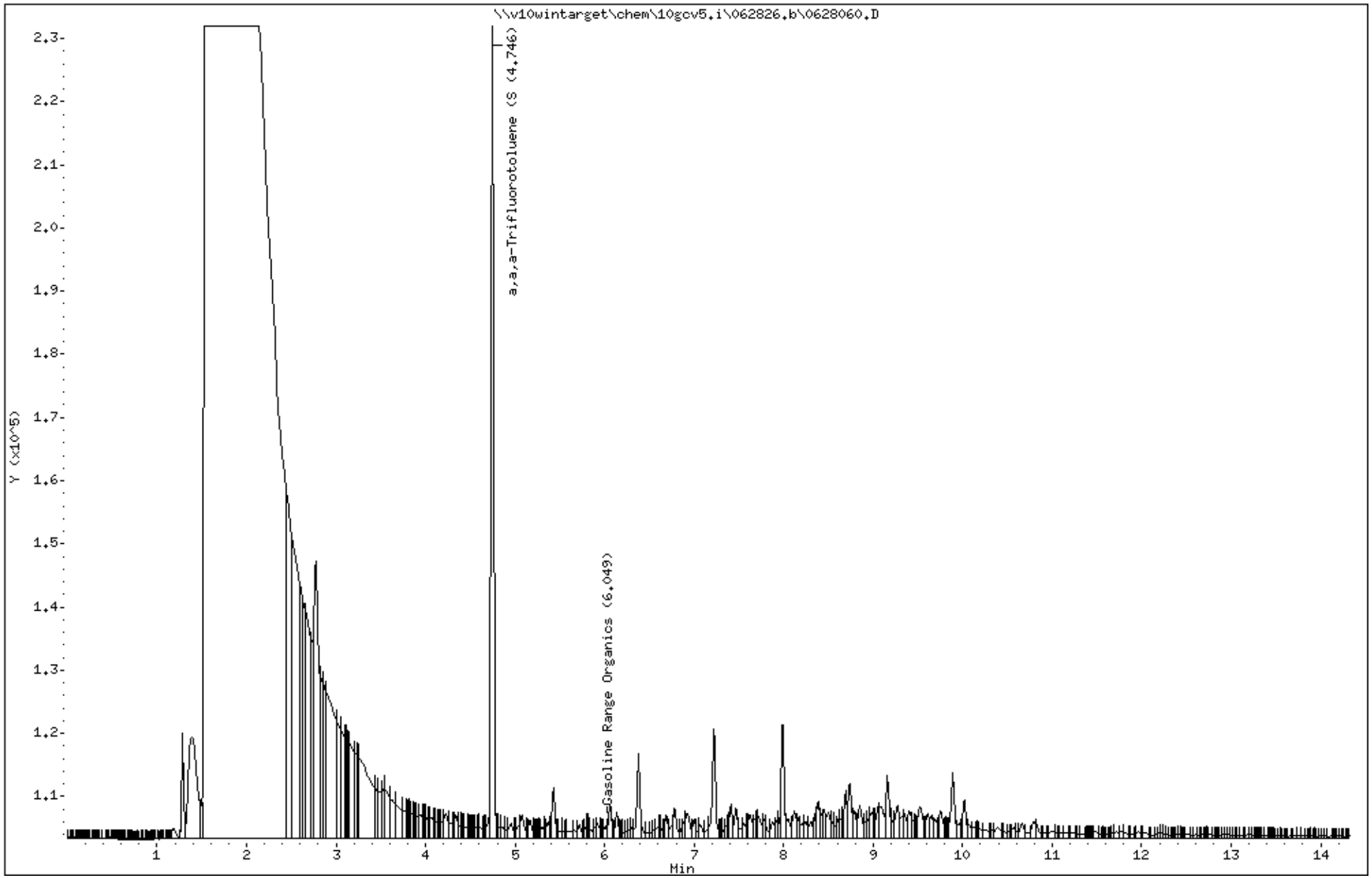
Sample Info: 10777153002,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18

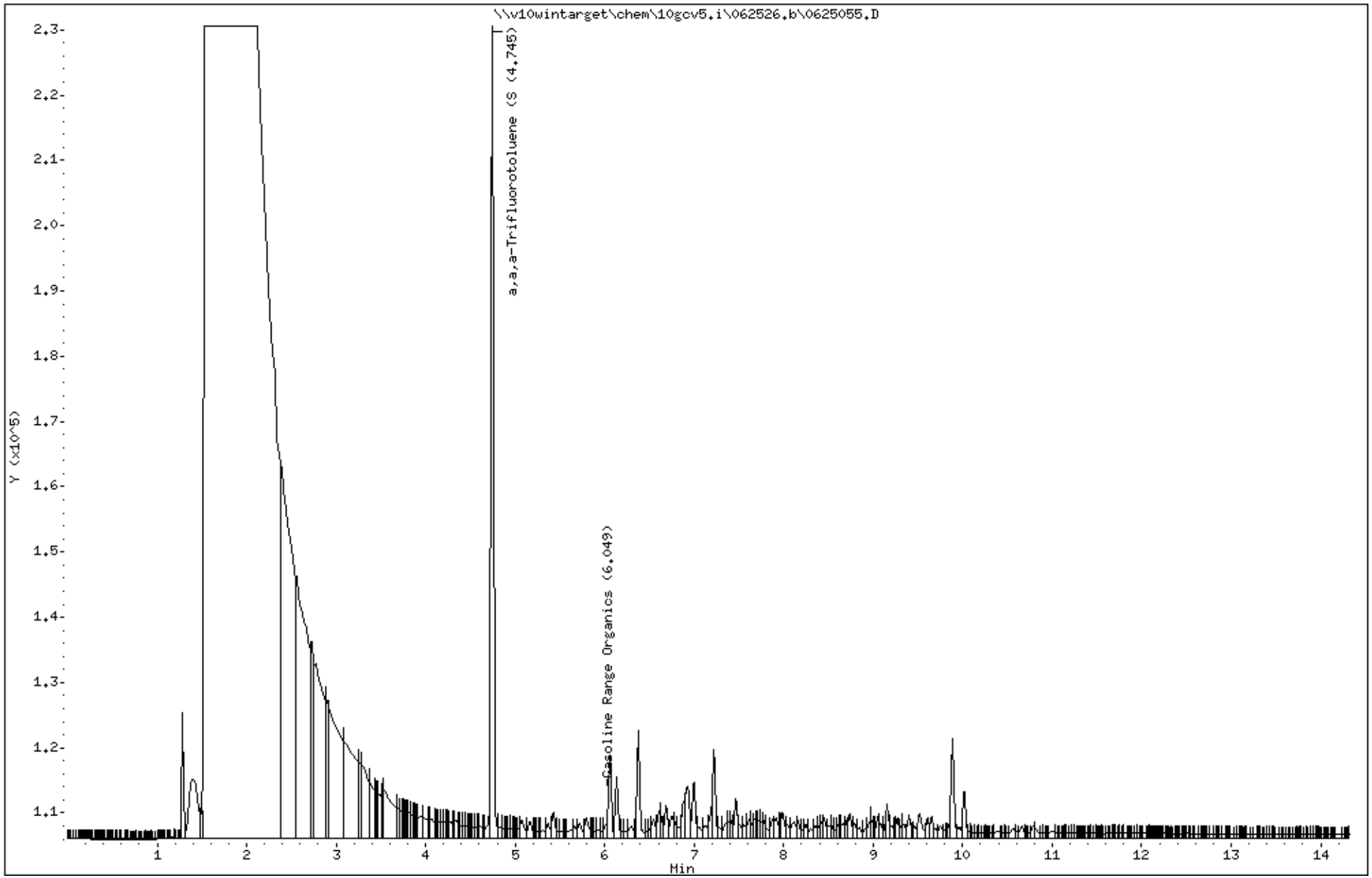


Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625055.D
Date : 26-JUN-2026 12:57
Client ID: E-TP01-1_0-1
Sample Info: 10777153003,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625056.D

Date : 26-JUN-2026 13:19

Client ID: E-TP07-1_0-1

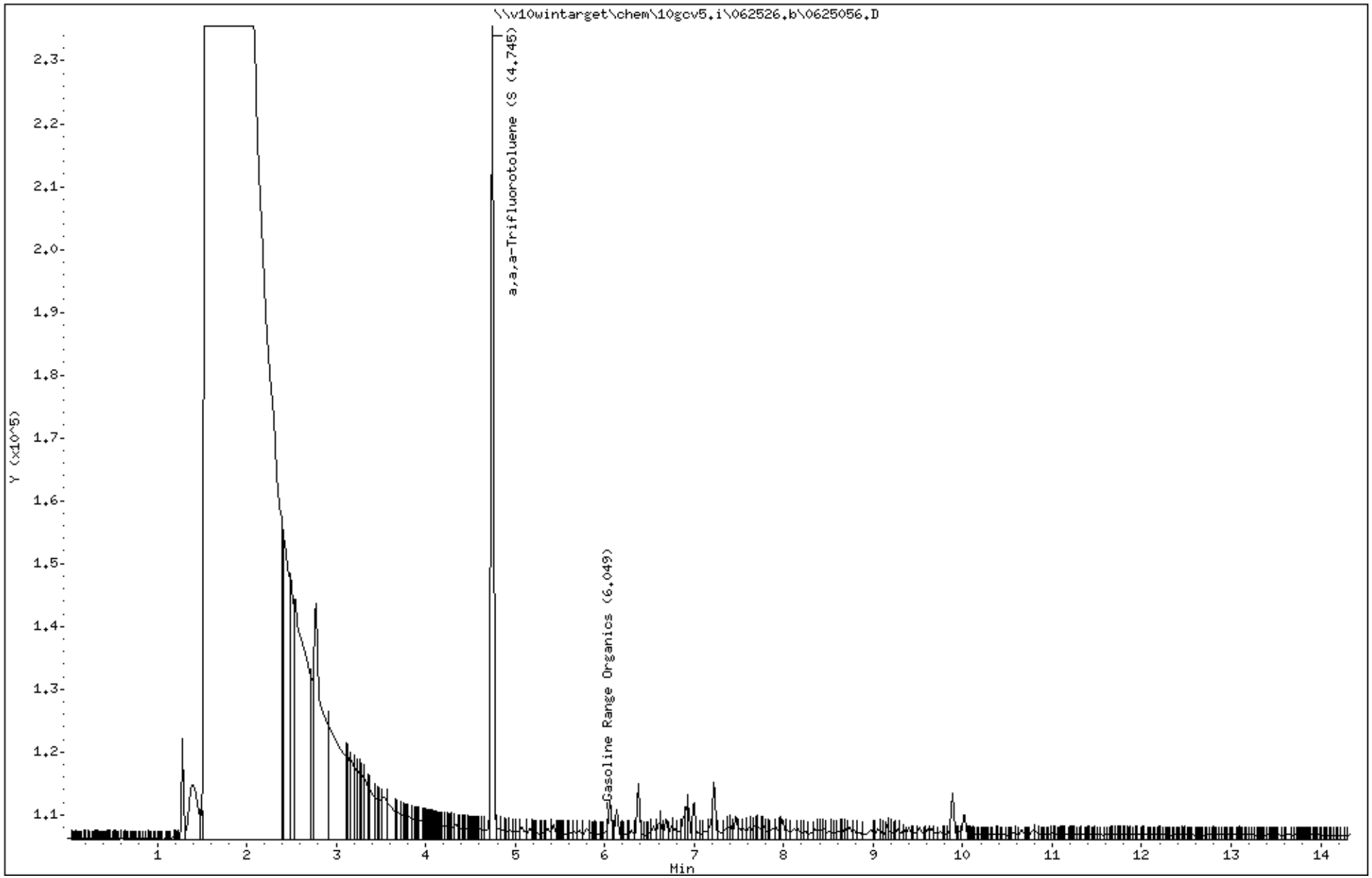
Sample Info: 10777153005,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

June 30, 2026

Jim Taraldsen
Barr Engineering Company
325 S Lake Ave
Duluth, MN 55802

RE: Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Dear Jim Taraldsen:

Enclosed are the analytical results for sample(s) received by the laboratory on June 11, 2026. 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 - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Craig S Douglas

Craig Douglas
craig.douglas@pacelabs.com
(218) 727-6380
Project Manager

Enclosures

cc: Barr DM, Barr Engineering
Accounts Payable, Barr Engineering

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alaska Contaminated Sites Certification #: 17-009
Arizona Certification #: AZ0014
Arkansas WW Certification #: 88-0680
Colorado Certification #: MN00064
DoD via A2LA Certification #: 2926.01
Florida Certification #: E87605
Idaho Certification #: MN00064
Indiana Certification #: C-MN-01
ISO/IEC 17025 via A2LA Certification #: 2926.01
Kentucky DW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Maine Certification #: MN00064
Michigan Certification #: 9909
Minnesota Dept of Ag Approval via Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nevada Certification #: MN00064
New Jersey Certification #: MN002
North Carolina DW Certification #: 27700
North Dakota Certification via A2LA #: R-036
Ohio DW Certification #: 41244
Oklahoma Certification #: 9507
Oregon Secondary Certification #: MN200001
Puerto Rico Certification #: MN00064
Tennessee Certification #: TN02818
Utah Certification #: MN00064
Virginia Certification #: 460163
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
USDA Permit #: P330-19-00208

Alabama Certification #: 40770
Alaska DW Certification #: MN00064
Arkansas DW Certification #: MN00064
California Certification #: 2929
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Georgia Certification #: 959
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky WW Certification #: 90062
Louisiana DW Certification #: MN00064
Maryland Certification #: 322
Minnesota Certification #: 027-053-137
Minnesota Petrofund Registration #: 1240
Missouri Certification #: 10100
Nebraska Certification #: NE-OS-18-06
New Hampshire Certification #: 2081
New York Certification #: 11647
North Carolina WW Certification #: 530
North Dakota Certification via MN #: R-036
Ohio VAP Certification (1700) #: CL101
Oregon Primary Certification #: MN300001
Pennsylvania Certification #: 68-00563
South Carolina Certification #:74003001
Texas Certification #: T104704192
Vermont Certification #: VT-027053137
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
Wyoming UST Certification via A2LA #: 2926.01

REPORT OF LABORATORY ANALYSIS

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Date: 06/30/2026 08:50 AM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10777154001	**D-TP28-1_0.8-2**	Solid	06/10/26 09:30	06/11/26 10:50
10777154002	**D-TP29-1_1.5-2.5**	Solid	06/10/26 09:40	06/11/26 10:50
10777154003	**D-COMP-05_0-1**	Solid	06/09/26 16:30	06/11/26 10:50
10777154004	**D-TP26-1_0-1**	Solid	06/09/26 15:55	06/11/26 10:50
10777154005	**D-COMP-03A_0-1**	Solid	06/09/26 12:30	06/11/26 10:50
10777154006	**D-TP19-1_0-1**	Solid	06/09/26 12:30	06/11/26 10:50
10777154007	**D-TP21-1_2.2-2.7**	Solid	06/09/26 12:15	06/11/26 10:50
10777154008	**D-TP16-1_0-1**	Solid	06/09/26 09:47	06/11/26 10:50
10777154009	**D-COMP-03_0-1**	Solid	06/08/26 15:37	06/11/26 10:50
10777154010	**D-TP12-1_0-1**	Solid	06/08/26 15:25	06/11/26 10:50
10777154011	**D-TP13-1_1-2**	Solid	06/09/26 08:25	06/11/26 10:50
10777154012	**D-TP09-1_0-1**	Solid	06/08/26 14:35	06/11/26 10:50
10777154013	**D-TP10-1_0-1**	Solid	06/08/26 14:47	06/11/26 10:50
10777154014	**D-TP11-1_0-1**	Solid	06/08/26 15:07	06/11/26 10:50
10777154015	**D-TP17-1_2-3.5**	Solid	06/09/26 11:40	06/11/26 10:50
10777154016	**D-TP18-1_0-1**	Solid	06/09/26 12:42	06/11/26 10:50
10777154017	**D-TP22-1_0-1**	Solid	06/09/26 13:04	06/11/26 10:50
10777154018	**D-TP23-1_0-1**	Solid	06/09/26 13:02	06/11/26 10:50
10777154019	**D-COMP-04_2-2.5**	Solid	06/09/26 12:40	06/11/26 10:50
10777154020	**D-TP23-2_2-2.5**	Solid	06/09/26 13:00	06/11/26 10:50
10777154021	**D-TP22-2_2-2.5**	Solid	06/09/26 13:07	06/11/26 10:50
10777154022	**D-TP24-1_0-1**	Solid	06/09/26 16:10	06/11/26 10:50
10777154023	**D-TP25-1_0-1**	Solid	06/09/26 16:14	06/11/26 10:50
10777154024	**D-TP27-1_0-1**	Solid	06/09/26 16:20	06/11/26 10:50
10777154025	**D-TP31-1_1.5-2.5**	Solid	06/10/26 11:25	06/11/26 10:50
10777154026	**Trip Blank-01**	Solid	06/08/26 14:35	06/11/26 10:50

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777154001	**D-TP28-1_0.8-2**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154002	**D-TP29-1_1.5-2.5**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154003	**D-COMP-05_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777154004	**D-TP26-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154005	**D-COMP-03A_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777154006	**D-TP19-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M

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SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777154007	**D-TP21-1_2.2-2.7**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154008	**D-TP16-1_0-1**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154009	**D-COMP-03_0-1**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777154010	**D-TP12-1_0-1**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154011	**D-TP13-1_1-2**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154015	**D-TP17-1_2-3.5**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10777154019	**D-COMP-04_2-2.5**	EPA 8082A	RAG	9	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
10777154020	**D-TP23-2_2-2.5**	WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154025	**D-TP31-1_1.5-2.5**	EPA 8082A	RAG	9	PASI-M
		WI MOD DRO	TT2	2	PASI-M
		WI MOD GRO	NJ1	2	PASI-M
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	RSP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	NMB	72	PASI-M
10777154026	**Trip Blank-01**	WI MOD GRO	NJ1	2	PASI-M
		EPA 8260D	NMB	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP28-1_0.8-2 **Lab ID: 10777154001** Collected: 06/10/26 09:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<15.5**	ug/kg	62.5	15.5	1	06/16/26 18:11	06/17/26 14:05	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.1**	ug/kg	62.5	17.1	1	06/16/26 18:11	06/17/26 14:05	11104-28-2	
PCB-1232 (Aroclor 1232)	**<20.1**	ug/kg	62.5	20.1	1	06/16/26 18:11	06/17/26 14:05	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.9**	ug/kg	62.5	22.9	1	06/16/26 18:11	06/17/26 14:05	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.0**	ug/kg	62.5	19.0	1	06/16/26 18:11	06/17/26 14:05	12672-29-6	
PCB-1254 (Aroclor 1254)	**<21.1**	ug/kg	62.5	21.1	1	06/16/26 18:11	06/17/26 14:05	11097-69-1	
PCB-1260 (Aroclor 1260)	**13900**	ug/kg	625	184	10	06/16/26 18:11	06/18/26 08:46	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	48	%.	30-125		1	06/16/26 18:11	06/17/26 14:05	877-09-8	
Decachlorobiphenyl (S)	63	%.	30-125		1	06/16/26 18:11	06/17/26 14:05	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**6290**	mg/kg	724	203	50	06/16/26 18:13	06/19/26 01:07		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		50	06/16/26 18:13	06/19/26 01:07		CH,S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**7.3J**	mg/kg	17.5	4.3	1	06/25/26 13:00	06/26/26 13:40		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%.	80-200		1	06/25/26 13:00	06/26/26 13:40	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.9**	mg/kg	1.2	0.20	1	06/23/26 13:27	06/24/26 15:23	7440-38-2	
Barium	**80.4**	mg/kg	0.60	0.089	1	06/23/26 13:27	06/24/26 15:23	7440-39-3	
Cadmium	**0.22**	mg/kg	0.18	0.042	1	06/23/26 13:27	06/24/26 15:23	7440-43-9	
Chromium	**9.4**	mg/kg	0.60	0.18	1	06/23/26 13:27	06/24/26 15:23	7440-47-3	
Lead	**8.7**	mg/kg	0.60	0.27	1	06/23/26 13:27	06/24/26 15:23	7439-92-1	
Selenium	**0.65J**	mg/kg	1.2	0.52	1	06/23/26 13:27	06/24/26 15:23	7782-49-2	
Silver	**0.050J**	mg/kg	0.60	0.048	1	06/23/26 13:27	06/24/26 15:23	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.048**	mg/kg	0.025	0.011	1	06/23/26 14:32	06/24/26 09:50	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**21.5**	%	0.10	0.10	1		06/24/26 15:01		N2

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP28-1_0.8-2 **Lab ID: 10777154001** Collected: 06/10/26 09:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**36.2**	ug/kg	12.4	1.4	1	06/16/26 09:34	06/17/26 13:36	83-32-9	
Acenaphthylene	**58.5**	ug/kg	12.4	2.2	1	06/16/26 09:34	06/17/26 13:36	208-96-8	
Anthracene	**294**	ug/kg	12.4	1.4	1	06/16/26 09:34	06/17/26 13:36	120-12-7	
Benzo(a)anthracene	**216**	ug/kg	12.4	2.3	1	06/16/26 09:34	06/17/26 13:36	56-55-3	
Benzo(a)pyrene	**104**	ug/kg	12.4	2.1	1	06/16/26 09:34	06/17/26 13:36	50-32-8	
Benzo(b)fluoranthene	**252**	ug/kg	12.4	2.9	1	06/16/26 09:34	06/17/26 13:36	205-99-2	
Benzo(g,h,i)perylene	**180**	ug/kg	12.4	2.7	1	06/16/26 09:34	06/17/26 13:36	191-24-2	
Benzo(k)fluoranthene	**44.2**	ug/kg	12.4	1.6	1	06/16/26 09:34	06/17/26 13:36	207-08-9	
Chrysene	**240**	ug/kg	12.4	1.6	1	06/16/26 09:34	06/17/26 13:36	218-01-9	
Dibenz(a,h)anthracene	**41.1**	ug/kg	12.4	1.8	1	06/16/26 09:34	06/17/26 13:36	53-70-3	
Fluoranthene	**219**	ug/kg	12.4	3.2	1	06/16/26 09:34	06/17/26 13:36	206-44-0	
Fluorene	**42.1**	ug/kg	12.4	1.4	1	06/16/26 09:34	06/17/26 13:36	86-73-7	
Indeno(1,2,3-cd)pyrene	**134**	ug/kg	12.4	2.5	1	06/16/26 09:34	06/17/26 13:36	193-39-5	
Naphthalene	**1350**	ug/kg	24.7	8.8	2	06/16/26 09:34	06/18/26 03:48	91-20-3	
Phenanthrene	**1390**	ug/kg	24.7	5.4	2	06/16/26 09:34	06/18/26 03:48	85-01-8	
Pyrene	**235**	ug/kg	12.4	2.5	1	06/16/26 09:34	06/17/26 13:36	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%.	61-125		1	06/16/26 09:34	06/17/26 13:36	321-60-8	S5
p-Terphenyl-d14 (S)	71	%.	61-125		1	06/16/26 09:34	06/17/26 13:36	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<539**	ug/kg	1680	539	1	06/24/26 11:06	06/24/26 19:19	67-64-1	
Allyl chloride	**<148**	ug/kg	336	148	1	06/24/26 11:06	06/24/26 19:19	107-05-1	
Benzene	**96.6**	ug/kg	33.6	11.3	1	06/24/26 11:06	06/24/26 19:19	71-43-2	
Bromobenzene	**<29.1**	ug/kg	84.0	29.1	1	06/24/26 11:06	06/24/26 19:19	108-86-1	
Bromochloromethane	**<26.5**	ug/kg	84.0	26.5	1	06/24/26 11:06	06/24/26 19:19	74-97-5	
Bromodichloromethane	**<34.3**	ug/kg	84.0	34.3	1	06/24/26 11:06	06/24/26 19:19	75-27-4	
Bromoform	**<160**	ug/kg	336	160	1	06/24/26 11:06	06/24/26 19:19	75-25-2	
Bromomethane	**<292**	ug/kg	840	292	1	06/24/26 11:06	06/24/26 19:19	74-83-9	
2-Butanone (MEK)	**<197**	ug/kg	420	197	1	06/24/26 11:06	06/24/26 19:19	78-93-3	
n-Butylbenzene	**39.5J**	ug/kg	84.0	29.4	1	06/24/26 11:06	06/24/26 19:19	104-51-8	
sec-Butylbenzene	**<21.7**	ug/kg	84.0	21.7	1	06/24/26 11:06	06/24/26 19:19	135-98-8	
tert-Butylbenzene	**<24.7**	ug/kg	84.0	24.7	1	06/24/26 11:06	06/24/26 19:19	98-06-6	
Carbon tetrachloride	**<30.7**	ug/kg	84.0	30.7	1	06/24/26 11:06	06/24/26 19:19	56-23-5	
Chlorobenzene	**<24.5**	ug/kg	84.0	24.5	1	06/24/26 11:06	06/24/26 19:19	108-90-7	
Chloroethane	**<232**	ug/kg	840	232	1	06/24/26 11:06	06/24/26 19:19	75-00-3	
Chloroform	**<32.4**	ug/kg	84.0	32.4	1	06/24/26 11:06	06/24/26 19:19	67-66-3	
Chloromethane	**<51.8**	ug/kg	336	51.8	1	06/24/26 11:06	06/24/26 19:19	74-87-3	
2-Chlorotoluene	**<23.9**	ug/kg	84.0	23.9	1	06/24/26 11:06	06/24/26 19:19	95-49-8	
4-Chlorotoluene	**<25.0**	ug/kg	84.0	25.0	1	06/24/26 11:06	06/24/26 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<140**	ug/kg	840	140	1	06/24/26 11:06	06/24/26 19:19	96-12-8	
Dibromochloromethane	**<83.2**	ug/kg	336	83.2	1	06/24/26 11:06	06/24/26 19:19	124-48-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP28-1_0.8-2 **Lab ID: 10777154001** Collected: 06/10/26 09:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<26.9**	ug/kg	84.0	26.9	1	06/24/26 11:06	06/24/26 19:19	106-93-4	
Dibromomethane	**<34.3**	ug/kg	84.0	34.3	1	06/24/26 11:06	06/24/26 19:19	74-95-3	
1,2-Dichlorobenzene	**<24.5**	ug/kg	84.0	24.5	1	06/24/26 11:06	06/24/26 19:19	95-50-1	
1,3-Dichlorobenzene	**<22.5**	ug/kg	84.0	22.5	1	06/24/26 11:06	06/24/26 19:19	541-73-1	
1,4-Dichlorobenzene	**<22.2**	ug/kg	84.0	22.2	1	06/24/26 11:06	06/24/26 19:19	106-46-7	
Dichlorodifluoromethane	**<44.9**	ug/kg	336	44.9	1	06/24/26 11:06	06/24/26 19:19	75-71-8	
1,1-Dichloroethane	**<23.2**	ug/kg	84.0	23.2	1	06/24/26 11:06	06/24/26 19:19	75-34-3	
1,2-Dichloroethane	**<23.4**	ug/kg	84.0	23.4	1	06/24/26 11:06	06/24/26 19:19	107-06-2	
1,1-Dichloroethene	**<22.3**	ug/kg	84.0	22.3	1	06/24/26 11:06	06/24/26 19:19	75-35-4	
cis-1,2-Dichloroethene	**<25.4**	ug/kg	84.0	25.4	1	06/24/26 11:06	06/24/26 19:19	156-59-2	
trans-1,2-Dichloroethene	**<22.3**	ug/kg	84.0	22.3	1	06/24/26 11:06	06/24/26 19:19	156-60-5	
Dichlorofluoromethane	**<123**	ug/kg	840	123	1	06/24/26 11:06	06/24/26 19:19	75-43-4	
1,2-Dichloropropane	**<25.5**	ug/kg	84.0	25.5	1	06/24/26 11:06	06/24/26 19:19	78-87-5	
1,3-Dichloropropane	**<26.5**	ug/kg	84.0	26.5	1	06/24/26 11:06	06/24/26 19:19	142-28-9	
2,2-Dichloropropane	**<36.8**	ug/kg	336	36.8	1	06/24/26 11:06	06/24/26 19:19	594-20-7	
1,1-Dichloropropene	**<21.5**	ug/kg	84.0	21.5	1	06/24/26 11:06	06/24/26 19:19	563-58-6	
cis-1,3-Dichloropropene	**<28.6**	ug/kg	84.0	28.6	1	06/24/26 11:06	06/24/26 19:19	10061-01-5	
trans-1,3-Dichloropropene	**<26.2**	ug/kg	84.0	26.2	1	06/24/26 11:06	06/24/26 19:19	10061-02-6	
Diethyl ether (Ethyl ether)	**<58.0**	ug/kg	336	58.0	1	06/24/26 11:06	06/24/26 19:19	60-29-7	
Ethylbenzene	**112**	ug/kg	84.0	28.2	1	06/24/26 11:06	06/24/26 19:19	100-41-4	
Hexachloro-1,3-butadiene	**<52.3**	ug/kg	420	52.3	1	06/24/26 11:06	06/24/26 19:19	87-68-3	
Isopropylbenzene (Cumene)	**47.6J**	ug/kg	84.0	21.0	1	06/24/26 11:06	06/24/26 19:19	98-82-8	
p-Isopropyltoluene	**<22.0**	ug/kg	84.0	22.0	1	06/24/26 11:06	06/24/26 19:19	99-87-6	
Methylene Chloride	**<167**	ug/kg	336	167	1	06/24/26 11:06	06/24/26 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<162**	ug/kg	420	162	1	06/24/26 11:06	06/24/26 19:19	108-10-1	
Methyl-tert-butyl ether	**<24.5**	ug/kg	84.0	24.5	1	06/24/26 11:06	06/24/26 19:19	1634-04-4	
Naphthalene	**345**	ug/kg	336	33.6	1	06/24/26 11:06	06/24/26 19:19	91-20-3	
n-Propylbenzene	**68.0J**	ug/kg	84.0	21.0	1	06/24/26 11:06	06/24/26 19:19	103-65-1	
Styrene	**<27.1**	ug/kg	84.0	27.1	1	06/24/26 11:06	06/24/26 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<28.4**	ug/kg	84.0	28.4	1	06/24/26 11:06	06/24/26 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<21.7**	ug/kg	84.0	21.7	1	06/24/26 11:06	06/24/26 19:19	79-34-5	
Tetrachloroethene	**830**	ug/kg	84.0	29.2	1	06/24/26 11:06	06/24/26 19:19	127-18-4	
Tetrahydrofuran	**<628**	ug/kg	3360	628	1	06/24/26 11:06	06/24/26 19:19	109-99-9	
Toluene	**534**	ug/kg	84.0	33.6	1	06/24/26 11:06	06/24/26 19:19	108-88-3	
1,2,3-Trichlorobenzene	**125**	ug/kg	84.0	26.2	1	06/24/26 11:06	06/24/26 19:19	87-61-6	
1,2,4-Trichlorobenzene	**1180**	ug/kg	84.0	27.2	1	06/24/26 11:06	06/24/26 19:19	120-82-1	
1,1,1-Trichloroethane	**<26.4**	ug/kg	84.0	26.4	1	06/24/26 11:06	06/24/26 19:19	71-55-6	
1,1,2-Trichloroethane	**<25.4**	ug/kg	84.0	25.4	1	06/24/26 11:06	06/24/26 19:19	79-00-5	
Trichloroethene	**<22.7**	ug/kg	84.0	22.7	1	06/24/26 11:06	06/24/26 19:19	79-01-6	
Trichlorofluoromethane	**<98.6**	ug/kg	336	98.6	1	06/24/26 11:06	06/24/26 19:19	75-69-4	
1,2,3-Trichloropropane	**<29.2**	ug/kg	336	29.2	1	06/24/26 11:06	06/24/26 19:19	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<34.1**	ug/kg	336	34.1	1	06/24/26 11:06	06/24/26 19:19	76-13-1	
1,2,4-Trimethylbenzene	**213**	ug/kg	84.0	24.4	1	06/24/26 11:06	06/24/26 19:19	95-63-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP28-1_0.8-2 **Lab ID: 10777154001** Collected: 06/10/26 09:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**53.0J**	ug/kg	84.0	23.5	1	06/24/26 11:06	06/24/26 19:19	108-67-8	
Vinyl chloride	**<15.5**	ug/kg	33.6	15.5	1	06/24/26 11:06	06/24/26 19:19	75-01-4	
Xylene (Total)	**766**	ug/kg	252	47.7	1	06/24/26 11:06	06/24/26 19:19	1330-20-7	
m&p-Xylene	**455**	ug/kg	168	47.7	1	06/24/26 11:06	06/24/26 19:19	179601-23-1	
o-Xylene	**311**	ug/kg	84.0	26.2	1	06/24/26 11:06	06/24/26 19:19	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/24/26 11:06	06/24/26 19:19	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1	06/24/26 11:06	06/24/26 19:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/24/26 11:06	06/24/26 19:19	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP29-1_1.5-2.5 **Lab ID: 10777154002** Collected: 06/10/26 09:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<15.1**	ug/kg	61.0	15.1	1	06/16/26 18:11	06/17/26 14:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.7**	ug/kg	61.0	16.7	1	06/16/26 18:11	06/17/26 14:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.6**	ug/kg	61.0	19.6	1	06/16/26 18:11	06/17/26 14:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<22.3**	ug/kg	61.0	22.3	1	06/16/26 18:11	06/17/26 14:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.5**	ug/kg	61.0	18.5	1	06/16/26 18:11	06/17/26 14:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**<20.6**	ug/kg	61.0	20.6	1	06/16/26 18:11	06/17/26 14:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**67.4**	ug/kg	61.0	17.9	1	06/16/26 18:11	06/17/26 14:21	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	31	%.	30-125		1	06/16/26 18:11	06/17/26 14:21	877-09-8	
Decachlorobiphenyl (S)	41	%.	30-125		1	06/16/26 18:11	06/17/26 14:21	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**10200**	mg/kg	1210	338	100	06/16/26 18:13	06/19/26 01:00		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		100	06/16/26 18:13	06/19/26 01:00		CH,S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**6.2J**	mg/kg	16.3	4.0	1	06/25/26 13:00	06/26/26 14:02		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%.	80-200		1	06/25/26 13:00	06/26/26 14:02	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**3.0**	mg/kg	1.2	0.19	1	06/23/26 13:27	06/24/26 15:25	7440-38-2	
Barium	**53.3**	mg/kg	0.58	0.086	1	06/23/26 13:27	06/24/26 15:25	7440-39-3	
Cadmium	**0.16J**	mg/kg	0.17	0.040	1	06/23/26 13:27	06/24/26 15:25	7440-43-9	
Chromium	**14.2**	mg/kg	0.58	0.17	1	06/23/26 13:27	06/24/26 15:25	7440-47-3	
Lead	**6.0**	mg/kg	0.58	0.26	1	06/23/26 13:27	06/24/26 15:25	7439-92-1	
Selenium	**0.97J**	mg/kg	1.2	0.50	1	06/23/26 13:27	06/24/26 15:25	7782-49-2	
Silver	**<0.046**	mg/kg	0.58	0.046	1	06/23/26 13:27	06/24/26 15:25	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.027**	mg/kg	0.021	0.0091	1	06/23/26 14:32	06/24/26 09:52	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**18.9**	%	0.10	0.10	1		06/24/26 15:01		N2

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP29-1_1.5-2.5 **Lab ID: 10777154002** Collected: 06/10/26 09:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**43.8J**	ug/kg	59.3	6.5	5	06/19/26 16:05	06/20/26 00:02	83-32-9	
Acenaphthylene	**121**	ug/kg	59.3	10.4	5	06/19/26 16:05	06/20/26 00:02	208-96-8	
Anthracene	**409**	ug/kg	59.3	6.9	5	06/19/26 16:05	06/20/26 00:02	120-12-7	
Benzo(a)anthracene	**83.6**	ug/kg	59.3	10.9	5	06/19/26 16:05	06/20/26 00:02	56-55-3	
Benzo(a)pyrene	**34.9J**	ug/kg	59.3	9.8	5	06/19/26 16:05	06/20/26 00:02	50-32-8	
Benzo(b)fluoranthene	**125**	ug/kg	59.3	13.7	5	06/19/26 16:05	06/20/26 00:02	205-99-2	
Benzo(g,h,i)perylene	**71.5**	ug/kg	59.3	13.2	5	06/19/26 16:05	06/20/26 00:02	191-24-2	
Benzo(k)fluoranthene	**43.5J**	ug/kg	59.3	7.8	5	06/19/26 16:05	06/20/26 00:02	207-08-9	
Chrysene	**108**	ug/kg	59.3	7.6	5	06/19/26 16:05	06/20/26 00:02	218-01-9	
Dibenz(a,h)anthracene	**31.1J**	ug/kg	59.3	8.4	5	06/19/26 16:05	06/20/26 00:02	53-70-3	
Fluoranthene	**144**	ug/kg	59.3	15.4	5	06/19/26 16:05	06/20/26 00:02	206-44-0	
Fluorene	**<6.7**	ug/kg	59.3	6.7	5	06/19/26 16:05	06/20/26 00:02	86-73-7	
Indeno(1,2,3-cd)pyrene	**77.7**	ug/kg	59.3	12.0	5	06/19/26 16:05	06/20/26 00:02	193-39-5	
Naphthalene	**262**	ug/kg	59.3	21.1	5	06/19/26 16:05	06/20/26 00:02	91-20-3	
Phenanthrene	**684**	ug/kg	59.3	12.9	5	06/19/26 16:05	06/20/26 00:02	85-01-8	
Pyrene	**78.5**	ug/kg	59.3	12.2	5	06/19/26 16:05	06/20/26 00:02	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%.	61-125		5	06/19/26 16:05	06/20/26 00:02	321-60-8	D3
p-Terphenyl-d14 (S)	67	%.	61-125		5	06/19/26 16:05	06/20/26 00:02	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<509**	ug/kg	1590	509	1	06/24/26 11:06	06/24/26 19:35	67-64-1	
Allyl chloride	**<140**	ug/kg	317	140	1	06/24/26 11:06	06/24/26 19:35	107-05-1	
Benzene	**182**	ug/kg	31.7	10.7	1	06/24/26 11:06	06/24/26 19:35	71-43-2	
Bromobenzene	**<27.5**	ug/kg	79.3	27.5	1	06/24/26 11:06	06/24/26 19:35	108-86-1	
Bromochloromethane	**<25.1**	ug/kg	79.3	25.1	1	06/24/26 11:06	06/24/26 19:35	74-97-5	
Bromodichloromethane	**<32.4**	ug/kg	79.3	32.4	1	06/24/26 11:06	06/24/26 19:35	75-27-4	
Bromoform	**<152**	ug/kg	317	152	1	06/24/26 11:06	06/24/26 19:35	75-25-2	
Bromomethane	**<276**	ug/kg	793	276	1	06/24/26 11:06	06/24/26 19:35	74-83-9	
2-Butanone (MEK)	**<186**	ug/kg	397	186	1	06/24/26 11:06	06/24/26 19:35	78-93-3	
n-Butylbenzene	**49.2J**	ug/kg	79.3	27.8	1	06/24/26 11:06	06/24/26 19:35	104-51-8	
sec-Butylbenzene	**<20.5**	ug/kg	79.3	20.5	1	06/24/26 11:06	06/24/26 19:35	135-98-8	
tert-Butylbenzene	**<23.3**	ug/kg	79.3	23.3	1	06/24/26 11:06	06/24/26 19:35	98-06-6	
Carbon tetrachloride	**<29.0**	ug/kg	79.3	29.0	1	06/24/26 11:06	06/24/26 19:35	56-23-5	
Chlorobenzene	**<23.2**	ug/kg	79.3	23.2	1	06/24/26 11:06	06/24/26 19:35	108-90-7	
Chloroethane	**<219**	ug/kg	793	219	1	06/24/26 11:06	06/24/26 19:35	75-00-3	
Chloroform	**<30.6**	ug/kg	79.3	30.6	1	06/24/26 11:06	06/24/26 19:35	67-66-3	
Chloromethane	**<48.9**	ug/kg	317	48.9	1	06/24/26 11:06	06/24/26 19:35	74-87-3	
2-Chlorotoluene	**<22.5**	ug/kg	79.3	22.5	1	06/24/26 11:06	06/24/26 19:35	95-49-8	
4-Chlorotoluene	**<23.6**	ug/kg	79.3	23.6	1	06/24/26 11:06	06/24/26 19:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<132**	ug/kg	793	132	1	06/24/26 11:06	06/24/26 19:35	96-12-8	
Dibromochloromethane	**<78.6**	ug/kg	317	78.6	1	06/24/26 11:06	06/24/26 19:35	124-48-1	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP29-1_1.5-2.5 **Lab ID: 10777154002** Collected: 06/10/26 09:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<25.4**	ug/kg	79.3	25.4	1	06/24/26 11:06	06/24/26 19:35	106-93-4	
Dibromomethane	**<32.4**	ug/kg	79.3	32.4	1	06/24/26 11:06	06/24/26 19:35	74-95-3	
1,2-Dichlorobenzene	**<23.2**	ug/kg	79.3	23.2	1	06/24/26 11:06	06/24/26 19:35	95-50-1	
1,3-Dichlorobenzene	**<21.3**	ug/kg	79.3	21.3	1	06/24/26 11:06	06/24/26 19:35	541-73-1	
1,4-Dichlorobenzene	**<20.9**	ug/kg	79.3	20.9	1	06/24/26 11:06	06/24/26 19:35	106-46-7	
Dichlorodifluoromethane	**<42.4**	ug/kg	317	42.4	1	06/24/26 11:06	06/24/26 19:35	75-71-8	
1,1-Dichloroethane	**<21.9**	ug/kg	79.3	21.9	1	06/24/26 11:06	06/24/26 19:35	75-34-3	
1,2-Dichloroethane	**<22.1**	ug/kg	79.3	22.1	1	06/24/26 11:06	06/24/26 19:35	107-06-2	
1,1-Dichloroethene	**<21.1**	ug/kg	79.3	21.1	1	06/24/26 11:06	06/24/26 19:35	75-35-4	
cis-1,2-Dichloroethene	**<24.0**	ug/kg	79.3	24.0	1	06/24/26 11:06	06/24/26 19:35	156-59-2	
trans-1,2-Dichloroethene	**<21.1**	ug/kg	79.3	21.1	1	06/24/26 11:06	06/24/26 19:35	156-60-5	
Dichlorofluoromethane	**<116**	ug/kg	793	116	1	06/24/26 11:06	06/24/26 19:35	75-43-4	
1,2-Dichloropropane	**<24.1**	ug/kg	79.3	24.1	1	06/24/26 11:06	06/24/26 19:35	78-87-5	
1,3-Dichloropropane	**<25.1**	ug/kg	79.3	25.1	1	06/24/26 11:06	06/24/26 19:35	142-28-9	
2,2-Dichloropropane	**<34.8**	ug/kg	317	34.8	1	06/24/26 11:06	06/24/26 19:35	594-20-7	
1,1-Dichloropropene	**<20.3**	ug/kg	79.3	20.3	1	06/24/26 11:06	06/24/26 19:35	563-58-6	
cis-1,3-Dichloropropene	**<27.0**	ug/kg	79.3	27.0	1	06/24/26 11:06	06/24/26 19:35	10061-01-5	
trans-1,3-Dichloropropene	**<24.8**	ug/kg	79.3	24.8	1	06/24/26 11:06	06/24/26 19:35	10061-02-6	
Diethyl ether (Ethyl ether)	**<54.8**	ug/kg	317	54.8	1	06/24/26 11:06	06/24/26 19:35	60-29-7	
Ethylbenzene	**91.9**	ug/kg	79.3	26.7	1	06/24/26 11:06	06/24/26 19:35	100-41-4	
Hexachloro-1,3-butadiene	**<49.4**	ug/kg	397	49.4	1	06/24/26 11:06	06/24/26 19:35	87-68-3	
Isopropylbenzene (Cumene)	**31.0J**	ug/kg	79.3	19.8	1	06/24/26 11:06	06/24/26 19:35	98-82-8	
p-Isopropyltoluene	**<20.8**	ug/kg	79.3	20.8	1	06/24/26 11:06	06/24/26 19:35	99-87-6	
Methylene Chloride	**<158**	ug/kg	317	158	1	06/24/26 11:06	06/24/26 19:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<153**	ug/kg	397	153	1	06/24/26 11:06	06/24/26 19:35	108-10-1	
Methyl-tert-butyl ether	**<23.2**	ug/kg	79.3	23.2	1	06/24/26 11:06	06/24/26 19:35	1634-04-4	
Naphthalene	**232J**	ug/kg	317	31.7	1	06/24/26 11:06	06/24/26 19:35	91-20-3	
n-Propylbenzene	**53.8J**	ug/kg	79.3	19.8	1	06/24/26 11:06	06/24/26 19:35	103-65-1	
Styrene	**<25.6**	ug/kg	79.3	25.6	1	06/24/26 11:06	06/24/26 19:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<26.8**	ug/kg	79.3	26.8	1	06/24/26 11:06	06/24/26 19:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.5**	ug/kg	79.3	20.5	1	06/24/26 11:06	06/24/26 19:35	79-34-5	
Tetrachloroethene	**1000**	ug/kg	79.3	27.6	1	06/24/26 11:06	06/24/26 19:35	127-18-4	
Tetrahydrofuran	**<594**	ug/kg	3170	594	1	06/24/26 11:06	06/24/26 19:35	109-99-9	
Toluene	**544**	ug/kg	79.3	31.7	1	06/24/26 11:06	06/24/26 19:35	108-88-3	
1,2,3-Trichlorobenzene	**<24.8**	ug/kg	79.3	24.8	1	06/24/26 11:06	06/24/26 19:35	87-61-6	
1,2,4-Trichlorobenzene	**<25.7**	ug/kg	79.3	25.7	1	06/24/26 11:06	06/24/26 19:35	120-82-1	
1,1,1-Trichloroethane	**<24.9**	ug/kg	79.3	24.9	1	06/24/26 11:06	06/24/26 19:35	71-55-6	
1,1,2-Trichloroethane	**<24.0**	ug/kg	79.3	24.0	1	06/24/26 11:06	06/24/26 19:35	79-00-5	
Trichloroethene	**<21.4**	ug/kg	79.3	21.4	1	06/24/26 11:06	06/24/26 19:35	79-01-6	
Trichlorofluoromethane	**<93.2**	ug/kg	317	93.2	1	06/24/26 11:06	06/24/26 19:35	75-69-4	
1,2,3-Trichloropropane	**<27.6**	ug/kg	317	27.6	1	06/24/26 11:06	06/24/26 19:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<32.2**	ug/kg	317	32.2	1	06/24/26 11:06	06/24/26 19:35	76-13-1	
1,2,4-Trimethylbenzene	**134**	ug/kg	79.3	23.0	1	06/24/26 11:06	06/24/26 19:35	95-63-6	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP29-1_1.5-2.5 **Lab ID: 10777154002** Collected: 06/10/26 09:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**29.4J**	ug/kg	79.3	22.2	1	06/24/26 11:06	06/24/26 19:35	108-67-8	
Vinyl chloride	**<14.6**	ug/kg	31.7	14.6	1	06/24/26 11:06	06/24/26 19:35	75-01-4	
Xylene (Total)	**477**	ug/kg	238	45.1	1	06/24/26 11:06	06/24/26 19:35	1330-20-7	
m&p-Xylene	**294**	ug/kg	159	45.1	1	06/24/26 11:06	06/24/26 19:35	179601-23-1	
o-Xylene	**182**	ug/kg	79.3	24.8	1	06/24/26 11:06	06/24/26 19:35	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%.	75-125		1	06/24/26 11:06	06/24/26 19:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1	06/24/26 11:06	06/24/26 19:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/24/26 11:06	06/24/26 19:35	2199-69-1	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-COMP-05_0-1 **Lab ID: 10777154003** Collected: 06/09/26 16:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.4**	ug/kg	54.2	13.4	1	06/16/26 18:11	06/17/26 14:37	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.8**	ug/kg	54.2	14.8	1	06/16/26 18:11	06/17/26 14:37	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.4**	ug/kg	54.2	17.4	1	06/16/26 18:11	06/17/26 14:37	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.8**	ug/kg	54.2	19.8	1	06/16/26 18:11	06/17/26 14:37	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.5**	ug/kg	54.2	16.5	1	06/16/26 18:11	06/17/26 14:37	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.3**	ug/kg	54.2	18.3	1	06/16/26 18:11	06/17/26 14:37	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.9**	ug/kg	54.2	15.9	1	06/16/26 18:11	06/17/26 14:37	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	126	%.	30-125		1	06/16/26 18:11	06/17/26 14:37	877-09-8	S3
Decachlorobiphenyl (S)	123	%.	30-125		1	06/16/26 18:11	06/17/26 14:37	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.5**	mg/kg	1.0	0.17	1	06/23/26 13:27	06/24/26 15:27	7440-38-2	B
Barium	**33.0**	mg/kg	0.52	0.077	1	06/23/26 13:27	06/24/26 15:27	7440-39-3	
Cadmium	**0.25**	mg/kg	0.16	0.036	1	06/23/26 13:27	06/24/26 15:27	7440-43-9	
Chromium	**4.2**	mg/kg	0.52	0.15	1	06/23/26 13:27	06/24/26 15:27	7440-47-3	
Lead	**10.8**	mg/kg	0.52	0.23	1	06/23/26 13:27	06/24/26 15:27	7439-92-1	
Selenium	**<0.45**	mg/kg	1.0	0.45	1	06/23/26 13:27	06/24/26 15:27	7782-49-2	
Silver	**<0.041**	mg/kg	0.52	0.041	1	06/23/26 13:27	06/24/26 15:27	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.013J**	mg/kg	0.021	0.0093	1	06/23/26 14:32	06/24/26 09:53	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**9.5**	%	0.10	0.10	1		06/24/26 15:01		N2

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-COMP-05_0-1 **Lab ID: 10777154003** Collected: 06/09/26 16:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.2**	ug/kg	10.7	1.2	1	06/16/26 09:34	06/17/26 09:50	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	10.7	1.9	1	06/16/26 09:34	06/17/26 09:50	208-96-8	
Anthracene	**<1.2**	ug/kg	10.7	1.2	1	06/16/26 09:34	06/17/26 09:50	120-12-7	
Benzo(a)anthracene	**<2.0**	ug/kg	10.7	2.0	1	06/16/26 09:34	06/17/26 09:50	56-55-3	
Benzo(a)pyrene	**<1.8**	ug/kg	10.7	1.8	1	06/16/26 09:34	06/17/26 09:50	50-32-8	
Benzo(b)fluoranthene	**<2.5**	ug/kg	10.7	2.5	1	06/16/26 09:34	06/17/26 09:50	205-99-2	
Benzo(g,h,i)perylene	**<2.4**	ug/kg	10.7	2.4	1	06/16/26 09:34	06/17/26 09:50	191-24-2	
Benzo(k)fluoranthene	**<1.4**	ug/kg	10.7	1.4	1	06/16/26 09:34	06/17/26 09:50	207-08-9	
Chrysene	**<1.4**	ug/kg	10.7	1.4	1	06/16/26 09:34	06/17/26 09:50	218-01-9	
Dibenz(a,h)anthracene	**<1.5**	ug/kg	10.7	1.5	1	06/16/26 09:34	06/17/26 09:50	53-70-3	
Fluoranthene	**<2.8**	ug/kg	10.7	2.8	1	06/16/26 09:34	06/17/26 09:50	206-44-0	
Fluorene	**<1.2**	ug/kg	10.7	1.2	1	06/16/26 09:34	06/17/26 09:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.2**	ug/kg	10.7	2.2	1	06/16/26 09:34	06/17/26 09:50	193-39-5	
Naphthalene	**<3.8**	ug/kg	10.7	3.8	1	06/16/26 09:34	06/17/26 09:50	91-20-3	
Phenanthrene	**<2.3**	ug/kg	10.7	2.3	1	06/16/26 09:34	06/17/26 09:50	85-01-8	
Pyrene	**<2.2**	ug/kg	10.7	2.2	1	06/16/26 09:34	06/17/26 09:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%.	61-125		1	06/16/26 09:34	06/17/26 09:50	321-60-8	
p-Terphenyl-d14 (S)	89	%.	61-125		1	06/16/26 09:34	06/17/26 09:50	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP26-1_0-1 **Lab ID: 10777154004** Collected: 06/09/26 15:55 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**<3.4**	mg/kg	12.2	3.4	1	06/16/26 18:13	06/19/26 01:56		
Surrogates									
n-Triacontane (S)	107	%.	50-150		1	06/16/26 18:13	06/19/26 01:56		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.0**	mg/kg	12.4	3.0	1	06/25/26 13:00	06/26/26 14:24		
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%.	80-200		1	06/25/26 13:00	06/26/26 14:24	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**10.9**	%	0.10	0.10	1		06/24/26 15:01		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<388**	ug/kg	1210	388	1	06/23/26 09:50	06/24/26 03:15	67-64-1	H1
Allyl chloride	**<106**	ug/kg	241	106	1	06/23/26 09:50	06/24/26 03:15	107-05-1	H1
Benzene	**<8.1**	ug/kg	24.1	8.1	1	06/23/26 09:50	06/24/26 03:15	71-43-2	H1
Bromobenzene	**<20.9**	ug/kg	60.4	20.9	1	06/23/26 09:50	06/24/26 03:15	108-86-1	H1
Bromochloromethane	**<19.1**	ug/kg	60.4	19.1	1	06/23/26 09:50	06/24/26 03:15	74-97-5	H1
Bromodichloromethane	**<24.6**	ug/kg	60.4	24.6	1	06/23/26 09:50	06/24/26 03:15	75-27-4	H1
Bromoform	**<115**	ug/kg	241	115	1	06/23/26 09:50	06/24/26 03:15	75-25-2	H1
Bromomethane	**<210**	ug/kg	604	210	1	06/23/26 09:50	06/24/26 03:15	74-83-9	H1
2-Butanone (MEK)	**<141**	ug/kg	302	141	1	06/23/26 09:50	06/24/26 03:15	78-93-3	H1
n-Butylbenzene	**<21.1**	ug/kg	60.4	21.1	1	06/23/26 09:50	06/24/26 03:15	104-51-8	H1
sec-Butylbenzene	**<15.6**	ug/kg	60.4	15.6	1	06/23/26 09:50	06/24/26 03:15	135-98-8	H1
tert-Butylbenzene	**<17.7**	ug/kg	60.4	17.7	1	06/23/26 09:50	06/24/26 03:15	98-06-6	H1
Carbon tetrachloride	**<22.1**	ug/kg	60.4	22.1	1	06/23/26 09:50	06/24/26 03:15	56-23-5	H1
Chlorobenzene	**<17.6**	ug/kg	60.4	17.6	1	06/23/26 09:50	06/24/26 03:15	108-90-7	H1
Chloroethane	**<167**	ug/kg	604	167	1	06/23/26 09:50	06/24/26 03:15	75-00-3	H1
Chloroform	**<23.3**	ug/kg	60.4	23.3	1	06/23/26 09:50	06/24/26 03:15	67-66-3	H1
Chloromethane	**<37.2**	ug/kg	241	37.2	1	06/23/26 09:50	06/24/26 03:15	74-87-3	H1
2-Chlorotoluene	**<17.1**	ug/kg	60.4	17.1	1	06/23/26 09:50	06/24/26 03:15	95-49-8	H1
4-Chlorotoluene	**<18.0**	ug/kg	60.4	18.0	1	06/23/26 09:50	06/24/26 03:15	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<101**	ug/kg	604	101	1	06/23/26 09:50	06/24/26 03:15	96-12-8	H1
Dibromochloromethane	**<59.8**	ug/kg	241	59.8	1	06/23/26 09:50	06/24/26 03:15	124-48-1	H1
1,2-Dibromoethane (EDB)	**<19.3**	ug/kg	60.4	19.3	1	06/23/26 09:50	06/24/26 03:15	106-93-4	H1
Dibromomethane	**<24.6**	ug/kg	60.4	24.6	1	06/23/26 09:50	06/24/26 03:15	74-95-3	H1
1,2-Dichlorobenzene	**<17.6**	ug/kg	60.4	17.6	1	06/23/26 09:50	06/24/26 03:15	95-50-1	H1
1,3-Dichlorobenzene	**<16.2**	ug/kg	60.4	16.2	1	06/23/26 09:50	06/24/26 03:15	541-73-1	H1
1,4-Dichlorobenzene	**<15.9**	ug/kg	60.4	15.9	1	06/23/26 09:50	06/24/26 03:15	106-46-7	H1
Dichlorodifluoromethane	**<32.2**	ug/kg	241	32.2	1	06/23/26 09:50	06/24/26 03:15	75-71-8	H1
1,1-Dichloroethane	**<16.7**	ug/kg	60.4	16.7	1	06/23/26 09:50	06/24/26 03:15	75-34-3	H1

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP26-1_0-1 **Lab ID: 10777154004** Collected: 06/09/26 15:55 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<16.8**	ug/kg	60.4	16.8	1	06/23/26 09:50	06/24/26 03:15	107-06-2	H1
1,1-Dichloroethene	**<16.1**	ug/kg	60.4	16.1	1	06/23/26 09:50	06/24/26 03:15	75-35-4	H1
cis-1,2-Dichloroethene	**<18.2**	ug/kg	60.4	18.2	1	06/23/26 09:50	06/24/26 03:15	156-59-2	H1
trans-1,2-Dichloroethene	**<16.1**	ug/kg	60.4	16.1	1	06/23/26 09:50	06/24/26 03:15	156-60-5	H1
Dichlorofluoromethane	**<88.6**	ug/kg	604	88.6	1	06/23/26 09:50	06/24/26 03:15	75-43-4	H1
1,2-Dichloropropane	**<18.4**	ug/kg	60.4	18.4	1	06/23/26 09:50	06/24/26 03:15	78-87-5	H1
1,3-Dichloropropane	**<19.1**	ug/kg	60.4	19.1	1	06/23/26 09:50	06/24/26 03:15	142-28-9	H1
2,2-Dichloropropane	**<26.4**	ug/kg	241	26.4	1	06/23/26 09:50	06/24/26 03:15	594-20-7	H1
1,1-Dichloropropene	**<15.5**	ug/kg	60.4	15.5	1	06/23/26 09:50	06/24/26 03:15	563-58-6	H1
cis-1,3-Dichloropropene	**<20.5**	ug/kg	60.4	20.5	1	06/23/26 09:50	06/24/26 03:15	10061-01-5	H1
trans-1,3-Dichloropropene	**<18.8**	ug/kg	60.4	18.8	1	06/23/26 09:50	06/24/26 03:15	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<41.7**	ug/kg	241	41.7	1	06/23/26 09:50	06/24/26 03:15	60-29-7	H1
Ethylbenzene	**<20.3**	ug/kg	60.4	20.3	1	06/23/26 09:50	06/24/26 03:15	100-41-4	H1
Hexachloro-1,3-butadiene	**<37.6**	ug/kg	302	37.6	1	06/23/26 09:50	06/24/26 03:15	87-68-3	H1
Isopropylbenzene (Cumene)	**<15.1**	ug/kg	60.4	15.1	1	06/23/26 09:50	06/24/26 03:15	98-82-8	H1
p-Isopropyltoluene	**<15.8**	ug/kg	60.4	15.8	1	06/23/26 09:50	06/24/26 03:15	99-87-6	H1
Methylene Chloride	**<120**	ug/kg	241	120	1	06/23/26 09:50	06/24/26 03:15	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<117**	ug/kg	302	117	1	06/23/26 09:50	06/24/26 03:15	108-10-1	H1
Methyl-tert-butyl ether	**<17.6**	ug/kg	60.4	17.6	1	06/23/26 09:50	06/24/26 03:15	1634-04-4	H1
Naphthalene	**<24.1**	ug/kg	241	24.1	1	06/23/26 09:50	06/24/26 03:15	91-20-3	H1
n-Propylbenzene	**<15.1**	ug/kg	60.4	15.1	1	06/23/26 09:50	06/24/26 03:15	103-65-1	H1
Styrene	**<19.4**	ug/kg	60.4	19.4	1	06/23/26 09:50	06/24/26 03:15	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<20.4**	ug/kg	60.4	20.4	1	06/23/26 09:50	06/24/26 03:15	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<15.6**	ug/kg	60.4	15.6	1	06/23/26 09:50	06/24/26 03:15	79-34-5	H1
Tetrachloroethene	**<21.0**	ug/kg	60.4	21.0	1	06/23/26 09:50	06/24/26 03:15	127-18-4	H1
Tetrahydrofuran	**<452**	ug/kg	2410	452	1	06/23/26 09:50	06/24/26 03:15	109-99-9	H1
Toluene	**<24.1**	ug/kg	60.4	24.1	1	06/23/26 09:50	06/24/26 03:15	108-88-3	H1
1,2,3-Trichlorobenzene	**<18.8**	ug/kg	60.4	18.8	1	06/23/26 09:50	06/24/26 03:15	87-61-6	H1
1,2,4-Trichlorobenzene	**<19.6**	ug/kg	60.4	19.6	1	06/23/26 09:50	06/24/26 03:15	120-82-1	H1
1,1,1-Trichloroethane	**<19.0**	ug/kg	60.4	19.0	1	06/23/26 09:50	06/24/26 03:15	71-55-6	H1
1,1,2-Trichloroethane	**<18.2**	ug/kg	60.4	18.2	1	06/23/26 09:50	06/24/26 03:15	79-00-5	H1
Trichloroethene	**<16.3**	ug/kg	60.4	16.3	1	06/23/26 09:50	06/24/26 03:15	79-01-6	H1
Trichlorofluoromethane	**<70.9**	ug/kg	241	70.9	1	06/23/26 09:50	06/24/26 03:15	75-69-4	H1
1,2,3-Trichloropropane	**<21.0**	ug/kg	241	21.0	1	06/23/26 09:50	06/24/26 03:15	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<24.5**	ug/kg	241	24.5	1	06/23/26 09:50	06/24/26 03:15	76-13-1	H1
1,2,4-Trimethylbenzene	**<17.5**	ug/kg	60.4	17.5	1	06/23/26 09:50	06/24/26 03:15	95-63-6	H1
1,3,5-Trimethylbenzene	**<16.9**	ug/kg	60.4	16.9	1	06/23/26 09:50	06/24/26 03:15	108-67-8	H1
Vinyl chloride	**<11.1**	ug/kg	24.1	11.1	1	06/23/26 09:50	06/24/26 03:15	75-01-4	H1
Xylene (Total)	**<34.3**	ug/kg	181	34.3	1	06/23/26 09:50	06/24/26 03:15	1330-20-7	H1
m&p-Xylene	**<34.3**	ug/kg	121	34.3	1	06/23/26 09:50	06/24/26 03:15	179601-23-1	H1
o-Xylene	**<18.8**	ug/kg	60.4	18.8	1	06/23/26 09:50	06/24/26 03:15	95-47-6	H1
Surrogates									
Toluene-d8 (S)	102	%.	75-125		1	06/23/26 09:50	06/24/26 03:15	2037-26-5	

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1700 Elm Street
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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP26-1_0-1 **Lab ID: 10777154004** Collected: 06/09/26 15:55 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/23/26 09:50	06/24/26 03:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/23/26 09:50	06/24/26 03:15	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-COMP-03A_0-1 **Lab ID: 10777154005** Collected: 06/09/26 12:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.8**	ug/kg	55.5	13.8	1	06/16/26 18:11	06/17/26 14:53	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.2**	ug/kg	55.5	15.2	1	06/16/26 18:11	06/17/26 14:53	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.9**	ug/kg	55.5	17.9	1	06/16/26 18:11	06/17/26 14:53	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.3**	ug/kg	55.5	20.3	1	06/16/26 18:11	06/17/26 14:53	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.9**	ug/kg	55.5	16.9	1	06/16/26 18:11	06/17/26 14:53	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.7**	ug/kg	55.5	18.7	1	06/16/26 18:11	06/17/26 14:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.3**	ug/kg	55.5	16.3	1	06/16/26 18:11	06/17/26 14:53	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	114	%.	30-125		1	06/16/26 18:11	06/17/26 14:53	877-09-8	
Decachlorobiphenyl (S)	112	%.	30-125		1	06/16/26 18:11	06/17/26 14:53	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.4**	mg/kg	1.1	0.18	1	06/23/26 13:27	06/24/26 15:28	7440-38-2	B
Barium	**45.6**	mg/kg	0.54	0.081	1	06/23/26 13:27	06/24/26 15:28	7440-39-3	
Cadmium	**0.33**	mg/kg	0.33	0.076	2	06/23/26 13:27	06/24/26 16:55	7440-43-9	
Chromium	**4.4**	mg/kg	0.54	0.16	1	06/23/26 13:27	06/24/26 15:28	7440-47-3	
Lead	**2.4**	mg/kg	0.54	0.25	1	06/23/26 13:27	06/24/26 15:28	7439-92-1	
Selenium	**<0.48**	mg/kg	1.1	0.48	1	06/23/26 13:27	06/24/26 15:28	7782-49-2	
Silver	**<0.044**	mg/kg	0.54	0.044	1	06/23/26 13:27	06/24/26 15:28	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**<0.0086**	mg/kg	0.020	0.0086	1	06/23/26 14:32	06/24/26 09:55	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**9.9**	%	0.10	0.10	1		06/24/26 15:02		N2

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-COMP-03A_0-1 **Lab ID: 10777154005** Collected: 06/09/26 12:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.2**	ug/kg	10.9	1.2	1	06/16/26 09:34	06/17/26 10:13	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	10.9	1.9	1	06/16/26 09:34	06/17/26 10:13	208-96-8	
Anthracene	**<1.3**	ug/kg	10.9	1.3	1	06/16/26 09:34	06/17/26 10:13	120-12-7	
Benzo(a)anthracene	**2.5J**	ug/kg	10.9	2.0	1	06/16/26 09:34	06/17/26 10:13	56-55-3	
Benzo(a)pyrene	**2.2J**	ug/kg	10.9	1.8	1	06/16/26 09:34	06/17/26 10:13	50-32-8	
Benzo(b)fluoranthene	**2.8J**	ug/kg	10.9	2.5	1	06/16/26 09:34	06/17/26 10:13	205-99-2	
Benzo(g,h,i)perylene	**<2.4**	ug/kg	10.9	2.4	1	06/16/26 09:34	06/17/26 10:13	191-24-2	
Benzo(k)fluoranthene	**<1.4**	ug/kg	10.9	1.4	1	06/16/26 09:34	06/17/26 10:13	207-08-9	
Chrysene	**1.8J**	ug/kg	10.9	1.4	1	06/16/26 09:34	06/17/26 10:13	218-01-9	
Dibenz(a,h)anthracene	**<1.5**	ug/kg	10.9	1.5	1	06/16/26 09:34	06/17/26 10:13	53-70-3	
Fluoranthene	**3.5J**	ug/kg	10.9	2.8	1	06/16/26 09:34	06/17/26 10:13	206-44-0	
Fluorene	**<1.2**	ug/kg	10.9	1.2	1	06/16/26 09:34	06/17/26 10:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.2**	ug/kg	10.9	2.2	1	06/16/26 09:34	06/17/26 10:13	193-39-5	
Naphthalene	**<3.9**	ug/kg	10.9	3.9	1	06/16/26 09:34	06/17/26 10:13	91-20-3	
Phenanthrene	**<2.4**	ug/kg	10.9	2.4	1	06/16/26 09:34	06/17/26 10:13	85-01-8	
Pyrene	**3.3J**	ug/kg	10.9	2.2	1	06/16/26 09:34	06/17/26 10:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%.	61-125		1	06/16/26 09:34	06/17/26 10:13	321-60-8	
p-Terphenyl-d14 (S)	92	%.	61-125		1	06/16/26 09:34	06/17/26 10:13	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP19-1_0-1 **Lab ID: 10777154006** Collected: 06/09/26 12:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**<2.4**	mg/kg	8.7	2.4	1	06/16/26 18:13	06/19/26 02:03		
Surrogates									
n-Triacontane (S)	101	%.	50-150		1	06/16/26 18:13	06/19/26 02:03		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.1**	mg/kg	12.5	3.1	1	06/25/26 13:00	06/26/26 14:46		
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%.	80-200		1	06/25/26 13:00	06/26/26 14:46	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**11.5**	%	0.10	0.10	1		06/24/26 15:02		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<389**	ug/kg	1210	389	1	06/23/26 09:50	06/24/26 02:58	67-64-1	H1
Allyl chloride	**<107**	ug/kg	242	107	1	06/23/26 09:50	06/24/26 02:58	107-05-1	H1
Benzene	**<8.2**	ug/kg	24.2	8.2	1	06/23/26 09:50	06/24/26 02:58	71-43-2	H1
Bromobenzene	**<21.0**	ug/kg	60.6	21.0	1	06/23/26 09:50	06/24/26 02:58	108-86-1	H1
Bromochloromethane	**<19.1**	ug/kg	60.6	19.1	1	06/23/26 09:50	06/24/26 02:58	74-97-5	H1
Bromodichloromethane	**<24.7**	ug/kg	60.6	24.7	1	06/23/26 09:50	06/24/26 02:58	75-27-4	H1
Bromoform	**<116**	ug/kg	242	116	1	06/23/26 09:50	06/24/26 02:58	75-25-2	H1
Bromomethane	**<211**	ug/kg	606	211	1	06/23/26 09:50	06/24/26 02:58	74-83-9	H1
2-Butanone (MEK)	**<142**	ug/kg	303	142	1	06/23/26 09:50	06/24/26 02:58	78-93-3	H1
n-Butylbenzene	**<21.2**	ug/kg	60.6	21.2	1	06/23/26 09:50	06/24/26 02:58	104-51-8	H1
sec-Butylbenzene	**<15.6**	ug/kg	60.6	15.6	1	06/23/26 09:50	06/24/26 02:58	135-98-8	H1
tert-Butylbenzene	**<17.8**	ug/kg	60.6	17.8	1	06/23/26 09:50	06/24/26 02:58	98-06-6	H1
Carbon tetrachloride	**<22.2**	ug/kg	60.6	22.2	1	06/23/26 09:50	06/24/26 02:58	56-23-5	H1
Chlorobenzene	**<17.7**	ug/kg	60.6	17.7	1	06/23/26 09:50	06/24/26 02:58	108-90-7	H1
Chloroethane	**<167**	ug/kg	606	167	1	06/23/26 09:50	06/24/26 02:58	75-00-3	H1
Chloroform	**<23.4**	ug/kg	60.6	23.4	1	06/23/26 09:50	06/24/26 02:58	67-66-3	H1
Chloromethane	**<37.3**	ug/kg	242	37.3	1	06/23/26 09:50	06/24/26 02:58	74-87-3	H1
2-Chlorotoluene	**<17.2**	ug/kg	60.6	17.2	1	06/23/26 09:50	06/24/26 02:58	95-49-8	H1
4-Chlorotoluene	**<18.0**	ug/kg	60.6	18.0	1	06/23/26 09:50	06/24/26 02:58	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<101**	ug/kg	606	101	1	06/23/26 09:50	06/24/26 02:58	96-12-8	H1
Dibromochloromethane	**<60.0**	ug/kg	242	60.0	1	06/23/26 09:50	06/24/26 02:58	124-48-1	H1
1,2-Dibromoethane (EDB)	**<19.4**	ug/kg	60.6	19.4	1	06/23/26 09:50	06/24/26 02:58	106-93-4	H1
Dibromomethane	**<24.7**	ug/kg	60.6	24.7	1	06/23/26 09:50	06/24/26 02:58	74-95-3	H1
1,2-Dichlorobenzene	**<17.7**	ug/kg	60.6	17.7	1	06/23/26 09:50	06/24/26 02:58	95-50-1	H1
1,3-Dichlorobenzene	**<16.2**	ug/kg	60.6	16.2	1	06/23/26 09:50	06/24/26 02:58	541-73-1	H1
1,4-Dichlorobenzene	**<16.0**	ug/kg	60.6	16.0	1	06/23/26 09:50	06/24/26 02:58	106-46-7	H1
Dichlorodifluoromethane	**<32.3**	ug/kg	242	32.3	1	06/23/26 09:50	06/24/26 02:58	75-71-8	H1
1,1-Dichloroethane	**<16.7**	ug/kg	60.6	16.7	1	06/23/26 09:50	06/24/26 02:58	75-34-3	H1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP19-1_0-1 **Lab ID: 10777154006** Collected: 06/09/26 12:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<16.8**	ug/kg	60.6	16.8	1	06/23/26 09:50	06/24/26 02:58	107-06-2	H1
1,1-Dichloroethene	**<16.1**	ug/kg	60.6	16.1	1	06/23/26 09:50	06/24/26 02:58	75-35-4	H1
cis-1,2-Dichloroethene	**<18.3**	ug/kg	60.6	18.3	1	06/23/26 09:50	06/24/26 02:58	156-59-2	H1
trans-1,2-Dichloroethene	**<16.1**	ug/kg	60.6	16.1	1	06/23/26 09:50	06/24/26 02:58	156-60-5	H1
Dichlorofluoromethane	**<88.9**	ug/kg	606	88.9	1	06/23/26 09:50	06/24/26 02:58	75-43-4	H1
1,2-Dichloropropane	**<18.4**	ug/kg	60.6	18.4	1	06/23/26 09:50	06/24/26 02:58	78-87-5	H1
1,3-Dichloropropane	**<19.1**	ug/kg	60.6	19.1	1	06/23/26 09:50	06/24/26 02:58	142-28-9	H1
2,2-Dichloropropane	**<26.5**	ug/kg	242	26.5	1	06/23/26 09:50	06/24/26 02:58	594-20-7	H1
1,1-Dichloropropene	**<15.5**	ug/kg	60.6	15.5	1	06/23/26 09:50	06/24/26 02:58	563-58-6	H1
cis-1,3-Dichloropropene	**<20.6**	ug/kg	60.6	20.6	1	06/23/26 09:50	06/24/26 02:58	10061-01-5	H1
trans-1,3-Dichloropropene	**<18.9**	ug/kg	60.6	18.9	1	06/23/26 09:50	06/24/26 02:58	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<41.8**	ug/kg	242	41.8	1	06/23/26 09:50	06/24/26 02:58	60-29-7	H1
Ethylbenzene	**<20.3**	ug/kg	60.6	20.3	1	06/23/26 09:50	06/24/26 02:58	100-41-4	H1
Hexachloro-1,3-butadiene	**<37.7**	ug/kg	303	37.7	1	06/23/26 09:50	06/24/26 02:58	87-68-3	H1
Isopropylbenzene (Cumene)	**<15.1**	ug/kg	60.6	15.1	1	06/23/26 09:50	06/24/26 02:58	98-82-8	H1
p-Isopropyltoluene	**<15.9**	ug/kg	60.6	15.9	1	06/23/26 09:50	06/24/26 02:58	99-87-6	H1
Methylene Chloride	**<120**	ug/kg	242	120	1	06/23/26 09:50	06/24/26 02:58	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<117**	ug/kg	303	117	1	06/23/26 09:50	06/24/26 02:58	108-10-1	H1
Methyl-tert-butyl ether	**<17.7**	ug/kg	60.6	17.7	1	06/23/26 09:50	06/24/26 02:58	1634-04-4	H1
Naphthalene	**<24.2**	ug/kg	242	24.2	1	06/23/26 09:50	06/24/26 02:58	91-20-3	H1
n-Propylbenzene	**<15.1**	ug/kg	60.6	15.1	1	06/23/26 09:50	06/24/26 02:58	103-65-1	H1
Styrene	**<19.5**	ug/kg	60.6	19.5	1	06/23/26 09:50	06/24/26 02:58	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<20.5**	ug/kg	60.6	20.5	1	06/23/26 09:50	06/24/26 02:58	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<15.6**	ug/kg	60.6	15.6	1	06/23/26 09:50	06/24/26 02:58	79-34-5	H1
Tetrachloroethene	**<21.1**	ug/kg	60.6	21.1	1	06/23/26 09:50	06/24/26 02:58	127-18-4	H1
Tetrahydrofuran	**<453**	ug/kg	2420	453	1	06/23/26 09:50	06/24/26 02:58	109-99-9	H1
Toluene	**<24.2**	ug/kg	60.6	24.2	1	06/23/26 09:50	06/24/26 02:58	108-88-3	H1
1,2,3-Trichlorobenzene	**<18.9**	ug/kg	60.6	18.9	1	06/23/26 09:50	06/24/26 02:58	87-61-6	H1
1,2,4-Trichlorobenzene	**<19.6**	ug/kg	60.6	19.6	1	06/23/26 09:50	06/24/26 02:58	120-82-1	H1
1,1,1-Trichloroethane	**<19.0**	ug/kg	60.6	19.0	1	06/23/26 09:50	06/24/26 02:58	71-55-6	H1
1,1,2-Trichloroethane	**<18.3**	ug/kg	60.6	18.3	1	06/23/26 09:50	06/24/26 02:58	79-00-5	H1
Trichloroethene	**<16.4**	ug/kg	60.6	16.4	1	06/23/26 09:50	06/24/26 02:58	79-01-6	H1
Trichlorofluoromethane	**<71.1**	ug/kg	242	71.1	1	06/23/26 09:50	06/24/26 02:58	75-69-4	H1
1,2,3-Trichloropropane	**<21.1**	ug/kg	242	21.1	1	06/23/26 09:50	06/24/26 02:58	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<24.6**	ug/kg	242	24.6	1	06/23/26 09:50	06/24/26 02:58	76-13-1	H1
1,2,4-Trimethylbenzene	**<17.6**	ug/kg	60.6	17.6	1	06/23/26 09:50	06/24/26 02:58	95-63-6	H1
1,3,5-Trimethylbenzene	**<17.0**	ug/kg	60.6	17.0	1	06/23/26 09:50	06/24/26 02:58	108-67-8	H1
Vinyl chloride	**<11.2**	ug/kg	24.2	11.2	1	06/23/26 09:50	06/24/26 02:58	75-01-4	H1
Xylene (Total)	**<34.4**	ug/kg	182	34.4	1	06/23/26 09:50	06/24/26 02:58	1330-20-7	H1
m&p-Xylene	**<34.4**	ug/kg	121	34.4	1	06/23/26 09:50	06/24/26 02:58	179601-23-1	H1
o-Xylene	**<18.9**	ug/kg	60.6	18.9	1	06/23/26 09:50	06/24/26 02:58	95-47-6	H1
Surrogates									
Toluene-d8 (S)	102	%.	75-125		1	06/23/26 09:50	06/24/26 02:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP19-1_0-1 **Lab ID: 10777154006** Collected: 06/09/26 12:30 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/23/26 09:50	06/24/26 02:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/23/26 09:50	06/24/26 02:58	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP21-1_2.2-2.7 **Lab ID: 10777154007** Collected: 06/09/26 12:15 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.5**	ug/kg	54.4	13.5	1	06/16/26 18:11	06/17/26 15:09	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.9**	ug/kg	54.4	14.9	1	06/16/26 18:11	06/17/26 15:09	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.5**	ug/kg	54.4	17.5	1	06/16/26 18:11	06/17/26 15:09	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.9**	ug/kg	54.4	19.9	1	06/16/26 18:11	06/17/26 15:09	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.5**	ug/kg	54.4	16.5	1	06/16/26 18:11	06/17/26 15:09	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.4**	ug/kg	54.4	18.4	1	06/16/26 18:11	06/17/26 15:09	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.0**	ug/kg	54.4	16.0	1	06/16/26 18:11	06/17/26 15:09	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	72	%.	30-125		1	06/16/26 18:11	06/17/26 15:09	877-09-8	
Decachlorobiphenyl (S)	45	%.	30-125		1	06/16/26 18:11	06/17/26 15:09	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**9350**	mg/kg	845	237	100	06/16/26 18:13	06/19/26 00:53		T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		100	06/16/26 18:13	06/19/26 00:53		CH,S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**7.0J**	mg/kg	12.7	3.1	1	06/25/26 13:00	06/26/26 15:08		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	95	%.	80-200		1	06/25/26 13:00	06/26/26 15:08	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.3**	mg/kg	1.1	0.17	1	06/23/26 13:27	06/24/26 15:30	7440-38-2	
Barium	**71.7**	mg/kg	0.53	0.078	1	06/23/26 13:27	06/24/26 15:30	7440-39-3	
Cadmium	**0.13J**	mg/kg	0.16	0.037	1	06/23/26 13:27	06/24/26 15:30	7440-43-9	
Chromium	**14.2**	mg/kg	0.53	0.16	1	06/23/26 13:27	06/24/26 15:30	7440-47-3	
Lead	**24.1**	mg/kg	0.53	0.24	1	06/23/26 13:27	06/24/26 15:30	7439-92-1	
Selenium	**<0.46**	mg/kg	1.1	0.46	1	06/23/26 13:27	06/24/26 15:30	7782-49-2	
Silver	**<0.042**	mg/kg	0.53	0.042	1	06/23/26 13:27	06/24/26 15:30	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.026**	mg/kg	0.021	0.0093	1	06/23/26 14:32	06/24/26 09:57	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**9.8**	%	0.10	0.10	1		06/24/26 15:02		N2

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP21-1_2.2-2.7 **Lab ID: 10777154007** Collected: 06/09/26 12:15 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**17.4**	ug/kg	10.9	1.2	1	06/19/26 16:05	06/19/26 23:40	83-32-9	
Acenaphthylene	**7.9J**	ug/kg	10.9	1.9	1	06/19/26 16:05	06/19/26 23:40	208-96-8	
Anthracene	**6.1J**	ug/kg	10.9	1.3	1	06/19/26 16:05	06/19/26 23:40	120-12-7	
Benzo(a)anthracene	**28.1**	ug/kg	10.9	2.0	1	06/19/26 16:05	06/19/26 23:40	56-55-3	
Benzo(a)pyrene	**111**	ug/kg	10.9	1.8	1	06/19/26 16:05	06/19/26 23:40	50-32-8	
Benzo(b)fluoranthene	**63.1**	ug/kg	10.9	2.5	1	06/19/26 16:05	06/19/26 23:40	205-99-2	
Benzo(g,h,i)perylene	**47.6**	ug/kg	10.9	2.4	1	06/19/26 16:05	06/19/26 23:40	191-24-2	
Benzo(k)fluoranthene	**<1.4**	ug/kg	10.9	1.4	1	06/19/26 16:05	06/19/26 23:40	207-08-9	
Chrysene	**176**	ug/kg	10.9	1.4	1	06/19/26 16:05	06/19/26 23:40	218-01-9	
Dibenz(a,h)anthracene	**12.8**	ug/kg	10.9	1.5	1	06/19/26 16:05	06/19/26 23:40	53-70-3	
Fluoranthene	**50.1**	ug/kg	10.9	2.8	1	06/19/26 16:05	06/19/26 23:40	206-44-0	
Fluorene	**26.8**	ug/kg	10.9	1.2	1	06/19/26 16:05	06/19/26 23:40	86-73-7	
Indeno(1,2,3-cd)pyrene	**40.1**	ug/kg	10.9	2.2	1	06/19/26 16:05	06/19/26 23:40	193-39-5	
Naphthalene	**74.5**	ug/kg	10.9	3.9	1	06/19/26 16:05	06/19/26 23:40	91-20-3	
Phenanthrene	**217**	ug/kg	10.9	2.4	1	06/19/26 16:05	06/19/26 23:40	85-01-8	
Pyrene	**74.8**	ug/kg	10.9	2.2	1	06/19/26 16:05	06/19/26 23:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%.	61-125		1	06/19/26 16:05	06/19/26 23:40	321-60-8	S5
p-Terphenyl-d14 (S)	77	%.	61-125		1	06/19/26 16:05	06/19/26 23:40	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<402**	ug/kg	1250	402	1	06/23/26 09:50	06/24/26 01:19	67-64-1	H1
Allyl chloride	**<110**	ug/kg	250	110	1	06/23/26 09:50	06/24/26 01:19	107-05-1	H1
Benzene	**80.3**	ug/kg	25.0	8.4	1	06/23/26 09:50	06/24/26 01:19	71-43-2	H1
Bromobenzene	**<21.7**	ug/kg	62.6	21.7	1	06/23/26 09:50	06/24/26 01:19	108-86-1	H1
Bromochloromethane	**<19.8**	ug/kg	62.6	19.8	1	06/23/26 09:50	06/24/26 01:19	74-97-5	H1
Bromodichloromethane	**<25.5**	ug/kg	62.6	25.5	1	06/23/26 09:50	06/24/26 01:19	75-27-4	H1
Bromoform	**<120**	ug/kg	250	120	1	06/23/26 09:50	06/24/26 01:19	75-25-2	H1
Bromomethane	**<218**	ug/kg	626	218	1	06/23/26 09:50	06/24/26 01:19	74-83-9	H1
2-Butanone (MEK)	**<146**	ug/kg	313	146	1	06/23/26 09:50	06/24/26 01:19	78-93-3	H1
n-Butylbenzene	**<21.9**	ug/kg	62.6	21.9	1	06/23/26 09:50	06/24/26 01:19	104-51-8	H1
sec-Butylbenzene	**<16.1**	ug/kg	62.6	16.1	1	06/23/26 09:50	06/24/26 01:19	135-98-8	H1
tert-Butylbenzene	**<18.4**	ug/kg	62.6	18.4	1	06/23/26 09:50	06/24/26 01:19	98-06-6	H1
Carbon tetrachloride	**<22.9**	ug/kg	62.6	22.9	1	06/23/26 09:50	06/24/26 01:19	56-23-5	H1
Chlorobenzene	**<18.3**	ug/kg	62.6	18.3	1	06/23/26 09:50	06/24/26 01:19	108-90-7	H1
Chloroethane	**<173**	ug/kg	626	173	1	06/23/26 09:50	06/24/26 01:19	75-00-3	H1
Chloroform	**<24.2**	ug/kg	62.6	24.2	1	06/23/26 09:50	06/24/26 01:19	67-66-3	H1
Chloromethane	**<38.5**	ug/kg	250	38.5	1	06/23/26 09:50	06/24/26 01:19	74-87-3	H1
2-Chlorotoluene	**<17.8**	ug/kg	62.6	17.8	1	06/23/26 09:50	06/24/26 01:19	95-49-8	H1
4-Chlorotoluene	**<18.6**	ug/kg	62.6	18.6	1	06/23/26 09:50	06/24/26 01:19	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<104**	ug/kg	626	104	1	06/23/26 09:50	06/24/26 01:19	96-12-8	H1
Dibromochloromethane	**<62.0**	ug/kg	250	62.0	1	06/23/26 09:50	06/24/26 01:19	124-48-1	H1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP21-1_2.2-2.7 **Lab ID: 10777154007** Collected: 06/09/26 12:15 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<20.0**	ug/kg	62.6	20.0	1	06/23/26 09:50	06/24/26 01:19	106-93-4	H1
Dibromomethane	**<25.5**	ug/kg	62.6	25.5	1	06/23/26 09:50	06/24/26 01:19	74-95-3	H1
1,2-Dichlorobenzene	**<18.3**	ug/kg	62.6	18.3	1	06/23/26 09:50	06/24/26 01:19	95-50-1	H1
1,3-Dichlorobenzene	**<16.8**	ug/kg	62.6	16.8	1	06/23/26 09:50	06/24/26 01:19	541-73-1	H1
1,4-Dichlorobenzene	**<16.5**	ug/kg	62.6	16.5	1	06/23/26 09:50	06/24/26 01:19	106-46-7	H1
Dichlorodifluoromethane	**<33.4**	ug/kg	250	33.4	1	06/23/26 09:50	06/24/26 01:19	75-71-8	H1
1,1-Dichloroethane	**<17.3**	ug/kg	62.6	17.3	1	06/23/26 09:50	06/24/26 01:19	75-34-3	H1
1,2-Dichloroethane	**<17.4**	ug/kg	62.6	17.4	1	06/23/26 09:50	06/24/26 01:19	107-06-2	H1
1,1-Dichloroethene	**<16.6**	ug/kg	62.6	16.6	1	06/23/26 09:50	06/24/26 01:19	75-35-4	H1
cis-1,2-Dichloroethene	**<18.9**	ug/kg	62.6	18.9	1	06/23/26 09:50	06/24/26 01:19	156-59-2	H1
trans-1,2-Dichloroethene	**<16.6**	ug/kg	62.6	16.6	1	06/23/26 09:50	06/24/26 01:19	156-60-5	H1
Dichlorofluoromethane	**<91.9**	ug/kg	626	91.9	1	06/23/26 09:50	06/24/26 01:19	75-43-4	H1
1,2-Dichloropropane	**<19.0**	ug/kg	62.6	19.0	1	06/23/26 09:50	06/24/26 01:19	78-87-5	H1
1,3-Dichloropropane	**<19.8**	ug/kg	62.6	19.8	1	06/23/26 09:50	06/24/26 01:19	142-28-9	H1
2,2-Dichloropropane	**<27.4**	ug/kg	250	27.4	1	06/23/26 09:50	06/24/26 01:19	594-20-7	H1
1,1-Dichloropropene	**<16.0**	ug/kg	62.6	16.0	1	06/23/26 09:50	06/24/26 01:19	563-58-6	H1
cis-1,3-Dichloropropene	**<21.3**	ug/kg	62.6	21.3	1	06/23/26 09:50	06/24/26 01:19	10061-01-5	H1
trans-1,3-Dichloropropene	**<19.5**	ug/kg	62.6	19.5	1	06/23/26 09:50	06/24/26 01:19	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<43.2**	ug/kg	250	43.2	1	06/23/26 09:50	06/24/26 01:19	60-29-7	H1
Ethylbenzene	**75.4**	ug/kg	62.6	21.0	1	06/23/26 09:50	06/24/26 01:19	100-41-4	H1
Hexachloro-1,3-butadiene	**<38.9**	ug/kg	313	38.9	1	06/23/26 09:50	06/24/26 01:19	87-68-3	H1
Isopropylbenzene (Cumene)	**25.0J**	ug/kg	62.6	15.6	1	06/23/26 09:50	06/24/26 01:19	98-82-8	H1
p-Isopropyltoluene	**29.3J**	ug/kg	62.6	16.4	1	06/23/26 09:50	06/24/26 01:19	99-87-6	H1
Methylene Chloride	**<124**	ug/kg	250	124	1	06/23/26 09:50	06/24/26 01:19	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<121**	ug/kg	313	121	1	06/23/26 09:50	06/24/26 01:19	108-10-1	H1
Methyl-tert-butyl ether	**<18.3**	ug/kg	62.6	18.3	1	06/23/26 09:50	06/24/26 01:19	1634-04-4	H1
Naphthalene	**189J**	ug/kg	250	25.0	1	06/23/26 09:50	06/24/26 01:19	91-20-3	H1
n-Propylbenzene	**31.9J**	ug/kg	62.6	15.6	1	06/23/26 09:50	06/24/26 01:19	103-65-1	H1
Styrene	**<20.2**	ug/kg	62.6	20.2	1	06/23/26 09:50	06/24/26 01:19	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<21.2**	ug/kg	62.6	21.2	1	06/23/26 09:50	06/24/26 01:19	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<16.1**	ug/kg	62.6	16.1	1	06/23/26 09:50	06/24/26 01:19	79-34-5	H1
Tetrachloroethene	**<21.8**	ug/kg	62.6	21.8	1	06/23/26 09:50	06/24/26 01:19	127-18-4	H1
Tetrahydrofuran	**<468**	ug/kg	2500	468	1	06/23/26 09:50	06/24/26 01:19	109-99-9	H1
Toluene	**390**	ug/kg	62.6	25.0	1	06/23/26 09:50	06/24/26 01:19	108-88-3	H1
1,2,3-Trichlorobenzene	**<19.5**	ug/kg	62.6	19.5	1	06/23/26 09:50	06/24/26 01:19	87-61-6	H1
1,2,4-Trichlorobenzene	**<20.3**	ug/kg	62.6	20.3	1	06/23/26 09:50	06/24/26 01:19	120-82-1	H1
1,1,1-Trichloroethane	**<19.7**	ug/kg	62.6	19.7	1	06/23/26 09:50	06/24/26 01:19	71-55-6	H1
1,1,2-Trichloroethane	**<18.9**	ug/kg	62.6	18.9	1	06/23/26 09:50	06/24/26 01:19	79-00-5	H1
Trichloroethene	**<16.9**	ug/kg	62.6	16.9	1	06/23/26 09:50	06/24/26 01:19	79-01-6	H1
Trichlorofluoromethane	**<73.5**	ug/kg	250	73.5	1	06/23/26 09:50	06/24/26 01:19	75-69-4	H1
1,2,3-Trichloropropane	**<21.8**	ug/kg	250	21.8	1	06/23/26 09:50	06/24/26 01:19	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<25.4**	ug/kg	250	25.4	1	06/23/26 09:50	06/24/26 01:19	76-13-1	H1
1,2,4-Trimethylbenzene	**94.6**	ug/kg	62.6	18.1	1	06/23/26 09:50	06/24/26 01:19	95-63-6	H1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP21-1_2.2-2.7 **Lab ID: 10777154007** Collected: 06/09/26 12:15 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<17.5**	ug/kg	62.6	17.5	1	06/23/26 09:50	06/24/26 01:19	108-67-8	H1
Vinyl chloride	**<11.5**	ug/kg	25.0	11.5	1	06/23/26 09:50	06/24/26 01:19	75-01-4	H1
Xylene (Total)	**398**	ug/kg	188	35.5	1	06/23/26 09:50	06/24/26 01:19	1330-20-7	H1
m&p-Xylene	**248**	ug/kg	125	35.5	1	06/23/26 09:50	06/24/26 01:19	179601-23-1	H1
o-Xylene	**150**	ug/kg	62.6	19.5	1	06/23/26 09:50	06/24/26 01:19	95-47-6	H1
Surrogates									
Toluene-d8 (S)	101	%.	75-125		1	06/23/26 09:50	06/24/26 01:19	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125		1	06/23/26 09:50	06/24/26 01:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/23/26 09:50	06/24/26 01:19	2199-69-1	

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Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP16-1_0-1 **Lab ID: 10777154008** Collected: 06/09/26 09:47 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.6**	ug/kg	54.7	13.6	1	06/16/26 18:11	06/17/26 15:25	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.0**	ug/kg	54.7	15.0	1	06/16/26 18:11	06/17/26 15:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.6**	ug/kg	54.7	17.6	1	06/16/26 18:11	06/17/26 15:25	11141-16-5	
PCB-1242 (Aroclor 1242)	**<20.0**	ug/kg	54.7	20.0	1	06/16/26 18:11	06/17/26 15:25	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.6**	ug/kg	54.7	16.6	1	06/16/26 18:11	06/17/26 15:25	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.5**	ug/kg	54.7	18.5	1	06/16/26 18:11	06/17/26 15:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.1**	ug/kg	54.7	16.1	1	06/16/26 18:11	06/17/26 15:25	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	98	%.	30-125		1	06/16/26 18:11	06/17/26 15:25	877-09-8	
Decachlorobiphenyl (S)	88	%.	30-125		1	06/16/26 18:11	06/17/26 15:25	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**3.5J**	mg/kg	10.0	2.8	1	06/16/26 18:13	06/19/26 01:21		
Surrogates									
n-Triacontane (S)	95	%.	50-150		1	06/16/26 18:13	06/19/26 01:21		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.3**	mg/kg	13.5	3.3	1	06/25/26 13:14	06/26/26 16:57		
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	80-200		1	06/25/26 13:14	06/26/26 16:57	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.3**	mg/kg	1.1	0.18	1	06/23/26 13:27	06/24/26 15:32	7440-38-2	
Barium	**49.8**	mg/kg	0.54	0.080	1	06/23/26 13:27	06/24/26 15:32	7440-39-3	
Cadmium	**1.2**	mg/kg	0.16	0.038	1	06/23/26 13:27	06/24/26 15:32	7440-43-9	
Chromium	**16.9**	mg/kg	0.54	0.16	1	06/23/26 13:27	06/24/26 15:32	7440-47-3	
Lead	**26.8**	mg/kg	0.54	0.24	1	06/23/26 13:27	06/24/26 15:32	7439-92-1	
Selenium	**<0.47**	mg/kg	1.1	0.47	1	06/23/26 13:27	06/24/26 15:32	7782-49-2	
Silver	**<0.043**	mg/kg	0.54	0.043	1	06/23/26 13:27	06/24/26 15:32	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.097**	mg/kg	0.021	0.0091	1	06/23/26 14:32	06/24/26 10:01	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**10.4**	%	0.10	0.10	1		06/24/26 15:02		N2

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP16-1_0-1 **Lab ID: 10777154008** Collected: 06/09/26 09:47 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.2**	ug/kg	10.9	1.2	1	06/16/26 15:01	06/19/26 13:33	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	10.9	1.9	1	06/16/26 15:01	06/19/26 13:33	208-96-8	
Anthracene	**<1.3**	ug/kg	10.9	1.3	1	06/16/26 15:01	06/19/26 13:33	120-12-7	
Benzo(a)anthracene	**2.8J**	ug/kg	10.9	2.0	1	06/16/26 15:01	06/19/26 13:33	56-55-3	
Benzo(a)pyrene	**2.5J**	ug/kg	10.9	1.8	1	06/16/26 15:01	06/19/26 13:33	50-32-8	
Benzo(b)fluoranthene	**5.7J**	ug/kg	10.9	2.5	1	06/16/26 15:01	06/19/26 13:33	205-99-2	
Benzo(g,h,i)perylene	**3.1J**	ug/kg	10.9	2.4	1	06/16/26 15:01	06/19/26 13:33	191-24-2	
Benzo(k)fluoranthene	**2.7J**	ug/kg	10.9	1.4	1	06/16/26 15:01	06/19/26 13:33	207-08-9	
Chrysene	**4.3J**	ug/kg	10.9	1.4	1	06/16/26 15:01	06/19/26 13:33	218-01-9	
Dibenz(a,h)anthracene	**<1.6**	ug/kg	10.9	1.6	1	06/16/26 15:01	06/19/26 13:33	53-70-3	
Fluoranthene	**5.1J**	ug/kg	10.9	2.8	1	06/16/26 15:01	06/19/26 13:33	206-44-0	
Fluorene	**<1.2**	ug/kg	10.9	1.2	1	06/16/26 15:01	06/19/26 13:33	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.2**	ug/kg	10.9	2.2	1	06/16/26 15:01	06/19/26 13:33	193-39-5	
Naphthalene	**7.3J**	ug/kg	10.9	3.9	1	06/16/26 15:01	06/19/26 13:33	91-20-3	
Phenanthrene	**6.8J**	ug/kg	10.9	2.4	1	06/16/26 15:01	06/19/26 13:33	85-01-8	
Pyrene	**4.6J**	ug/kg	10.9	2.3	1	06/16/26 15:01	06/19/26 13:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%.	61-125		1	06/16/26 15:01	06/19/26 13:33	321-60-8	
p-Terphenyl-d14 (S)	79	%.	61-125		1	06/16/26 15:01	06/19/26 13:33	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<424**	ug/kg	1320	424	1	06/23/26 09:50	06/26/26 01:04	67-64-1	H1
Allyl chloride	**<117**	ug/kg	264	117	1	06/23/26 09:50	06/26/26 01:04	107-05-1	H1
Benzene	**<8.9**	ug/kg	26.4	8.9	1	06/23/26 09:50	06/26/26 01:04	71-43-2	H1
Bromobenzene	**<22.9**	ug/kg	66.1	22.9	1	06/23/26 09:50	06/26/26 01:04	108-86-1	H1
Bromochloromethane	**<20.9**	ug/kg	66.1	20.9	1	06/23/26 09:50	06/26/26 01:04	74-97-5	H1
Bromodichloromethane	**<27.0**	ug/kg	66.1	27.0	1	06/23/26 09:50	06/26/26 01:04	75-27-4	H1
Bromoform	**<126**	ug/kg	264	126	1	06/23/26 09:50	06/26/26 01:04	75-25-2	H1
Bromomethane	**<230**	ug/kg	661	230	1	06/23/26 09:50	06/26/26 01:04	74-83-9	H1
2-Butanone (MEK)	**<155**	ug/kg	331	155	1	06/23/26 09:50	06/26/26 01:04	78-93-3	H1
n-Butylbenzene	**<23.1**	ug/kg	66.1	23.1	1	06/23/26 09:50	06/26/26 01:04	104-51-8	H1
sec-Butylbenzene	**<17.1**	ug/kg	66.1	17.1	1	06/23/26 09:50	06/26/26 01:04	135-98-8	H1
tert-Butylbenzene	**<19.4**	ug/kg	66.1	19.4	1	06/23/26 09:50	06/26/26 01:04	98-06-6	H1
Carbon tetrachloride	**<24.2**	ug/kg	66.1	24.2	1	06/23/26 09:50	06/26/26 01:04	56-23-5	H1
Chlorobenzene	**<19.3**	ug/kg	66.1	19.3	1	06/23/26 09:50	06/26/26 01:04	108-90-7	H1
Chloroethane	**<182**	ug/kg	661	182	1	06/23/26 09:50	06/26/26 01:04	75-00-3	H1
Chloroform	**<25.5**	ug/kg	66.1	25.5	1	06/23/26 09:50	06/26/26 01:04	67-66-3	H1
Chloromethane	**<40.7**	ug/kg	264	40.7	1	06/23/26 09:50	06/26/26 01:04	74-87-3	H1
2-Chlorotoluene	**<18.8**	ug/kg	66.1	18.8	1	06/23/26 09:50	06/26/26 01:04	95-49-8	H1
4-Chlorotoluene	**<19.7**	ug/kg	66.1	19.7	1	06/23/26 09:50	06/26/26 01:04	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<110**	ug/kg	661	110	1	06/23/26 09:50	06/26/26 01:04	96-12-8	H1
Dibromochloromethane	**<65.4**	ug/kg	264	65.4	1	06/23/26 09:50	06/26/26 01:04	124-48-1	H1

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP16-1_0-1 **Lab ID: 10777154008** Collected: 06/09/26 09:47 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<21.2**	ug/kg	66.1	21.2	1	06/23/26 09:50	06/26/26 01:04	106-93-4	H1
Dibromomethane	**<27.0**	ug/kg	66.1	27.0	1	06/23/26 09:50	06/26/26 01:04	74-95-3	H1
1,2-Dichlorobenzene	**<19.3**	ug/kg	66.1	19.3	1	06/23/26 09:50	06/26/26 01:04	95-50-1	H1
1,3-Dichlorobenzene	**<17.7**	ug/kg	66.1	17.7	1	06/23/26 09:50	06/26/26 01:04	541-73-1	H1
1,4-Dichlorobenzene	**<17.5**	ug/kg	66.1	17.5	1	06/23/26 09:50	06/26/26 01:04	106-46-7	H1
Dichlorodifluoromethane	**<35.3**	ug/kg	264	35.3	1	06/23/26 09:50	06/26/26 01:04	75-71-8	H1
1,1-Dichloroethane	**<18.2**	ug/kg	66.1	18.2	1	06/23/26 09:50	06/26/26 01:04	75-34-3	H1
1,2-Dichloroethane	**<18.4**	ug/kg	66.1	18.4	1	06/23/26 09:50	06/26/26 01:04	107-06-2	H1
1,1-Dichloroethene	**<17.6**	ug/kg	66.1	17.6	1	06/23/26 09:50	06/26/26 01:04	75-35-4	H1
cis-1,2-Dichloroethene	**<20.0**	ug/kg	66.1	20.0	1	06/23/26 09:50	06/26/26 01:04	156-59-2	H1
trans-1,2-Dichloroethene	**<17.6**	ug/kg	66.1	17.6	1	06/23/26 09:50	06/26/26 01:04	156-60-5	H1
Dichlorofluoromethane	**<97.0**	ug/kg	661	97.0	1	06/23/26 09:50	06/26/26 01:04	75-43-4	H1
1,2-Dichloropropane	**<20.1**	ug/kg	66.1	20.1	1	06/23/26 09:50	06/26/26 01:04	78-87-5	H1
1,3-Dichloropropane	**<20.9**	ug/kg	66.1	20.9	1	06/23/26 09:50	06/26/26 01:04	142-28-9	H1
2,2-Dichloropropane	**<29.0**	ug/kg	264	29.0	1	06/23/26 09:50	06/26/26 01:04	594-20-7	H1
1,1-Dichloropropene	**<16.9**	ug/kg	66.1	16.9	1	06/23/26 09:50	06/26/26 01:04	563-58-6	H1
cis-1,3-Dichloropropene	**<22.5**	ug/kg	66.1	22.5	1	06/23/26 09:50	06/26/26 01:04	10061-01-5	H1
trans-1,3-Dichloropropene	**<20.6**	ug/kg	66.1	20.6	1	06/23/26 09:50	06/26/26 01:04	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<45.6**	ug/kg	264	45.6	1	06/23/26 09:50	06/26/26 01:04	60-29-7	H1
Ethylbenzene	**<22.2**	ug/kg	66.1	22.2	1	06/23/26 09:50	06/26/26 01:04	100-41-4	H1
Hexachloro-1,3-butadiene	**<41.1**	ug/kg	331	41.1	1	06/23/26 09:50	06/26/26 01:04	87-68-3	H1
Isopropylbenzene (Cumene)	**<16.5**	ug/kg	66.1	16.5	1	06/23/26 09:50	06/26/26 01:04	98-82-8	H1
p-Isopropyltoluene	**<17.3**	ug/kg	66.1	17.3	1	06/23/26 09:50	06/26/26 01:04	99-87-6	H1
Methylene Chloride	**<131**	ug/kg	264	131	1	06/23/26 09:50	06/26/26 01:04	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<128**	ug/kg	331	128	1	06/23/26 09:50	06/26/26 01:04	108-10-1	H1
Methyl-tert-butyl ether	**<19.3**	ug/kg	66.1	19.3	1	06/23/26 09:50	06/26/26 01:04	1634-04-4	H1
Naphthalene	**<26.4**	ug/kg	264	26.4	1	06/23/26 09:50	06/26/26 01:04	91-20-3	H1
n-Propylbenzene	**<16.5**	ug/kg	66.1	16.5	1	06/23/26 09:50	06/26/26 01:04	103-65-1	H1
Styrene	**<21.3**	ug/kg	66.1	21.3	1	06/23/26 09:50	06/26/26 01:04	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<22.3**	ug/kg	66.1	22.3	1	06/23/26 09:50	06/26/26 01:04	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<17.1**	ug/kg	66.1	17.1	1	06/23/26 09:50	06/26/26 01:04	79-34-5	H1
Tetrachloroethene	**<23.0**	ug/kg	66.1	23.0	1	06/23/26 09:50	06/26/26 01:04	127-18-4	H1
Tetrahydrofuran	**<494**	ug/kg	2640	494	1	06/23/26 09:50	06/26/26 01:04	109-99-9	H1
Toluene	**<26.4**	ug/kg	66.1	26.4	1	06/23/26 09:50	06/26/26 01:04	108-88-3	H1
1,2,3-Trichlorobenzene	**<20.6**	ug/kg	66.1	20.6	1	06/23/26 09:50	06/26/26 01:04	87-61-6	H1
1,2,4-Trichlorobenzene	**<21.4**	ug/kg	66.1	21.4	1	06/23/26 09:50	06/26/26 01:04	120-82-1	H1
1,1,1-Trichloroethane	**<20.8**	ug/kg	66.1	20.8	1	06/23/26 09:50	06/26/26 01:04	71-55-6	H1
1,1,2-Trichloroethane	**<20.0**	ug/kg	66.1	20.0	1	06/23/26 09:50	06/26/26 01:04	79-00-5	H1
Trichloroethene	**<17.8**	ug/kg	66.1	17.8	1	06/23/26 09:50	06/26/26 01:04	79-01-6	H1
Trichlorofluoromethane	**<77.6**	ug/kg	264	77.6	1	06/23/26 09:50	06/26/26 01:04	75-69-4	H1
1,2,3-Trichloropropane	**<23.0**	ug/kg	264	23.0	1	06/23/26 09:50	06/26/26 01:04	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<26.8**	ug/kg	264	26.8	1	06/23/26 09:50	06/26/26 01:04	76-13-1	H1
1,2,4-Trimethylbenzene	**<19.2**	ug/kg	66.1	19.2	1	06/23/26 09:50	06/26/26 01:04	95-63-6	H1

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP16-1_0-1 **Lab ID: 10777154008** Collected: 06/09/26 09:47 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<18.5**	ug/kg	66.1	18.5	1	06/23/26 09:50	06/26/26 01:04	108-67-8	H1
Vinyl chloride	**<12.2**	ug/kg	26.4	12.2	1	06/23/26 09:50	06/26/26 01:04	75-01-4	H1,v2
Xylene (Total)	**<37.5**	ug/kg	198	37.5	1	06/23/26 09:50	06/26/26 01:04	1330-20-7	H1
m&p-Xylene	**<37.5**	ug/kg	132	37.5	1	06/23/26 09:50	06/26/26 01:04	179601-23-1	H1
o-Xylene	**<20.6**	ug/kg	66.1	20.6	1	06/23/26 09:50	06/26/26 01:04	95-47-6	H1
Surrogates									
Toluene-d8 (S)	105	%.	75-125		1	06/23/26 09:50	06/26/26 01:04	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/23/26 09:50	06/26/26 01:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/23/26 09:50	06/26/26 01:04	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-COMP-03_0-1 **Lab ID: 10777154009** Collected: 06/08/26 15:37 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.3**	ug/kg	53.8	13.3	1	06/16/26 18:11	06/17/26 15:41	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.7**	ug/kg	53.8	14.7	1	06/16/26 18:11	06/17/26 15:41	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.3**	ug/kg	53.8	17.3	1	06/16/26 18:11	06/17/26 15:41	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.7**	ug/kg	53.8	19.7	1	06/16/26 18:11	06/17/26 15:41	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.3**	ug/kg	53.8	16.3	1	06/16/26 18:11	06/17/26 15:41	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.2**	ug/kg	53.8	18.2	1	06/16/26 18:11	06/17/26 15:41	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.8**	ug/kg	53.8	15.8	1	06/16/26 18:11	06/17/26 15:41	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	103	%.	30-125		1	06/16/26 18:11	06/17/26 15:41	877-09-8	
Decachlorobiphenyl (S)	95	%.	30-125		1	06/16/26 18:11	06/17/26 15:41	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.4**	mg/kg	1.1	0.18	1	06/23/26 13:27	06/24/26 15:34	7440-38-2	B
Barium	**39.9**	mg/kg	0.55	0.082	1	06/23/26 13:27	06/24/26 15:34	7440-39-3	
Cadmium	**0.33**	mg/kg	0.16	0.039	1	06/23/26 13:27	06/24/26 15:34	7440-43-9	
Chromium	**17.0**	mg/kg	0.55	0.16	1	06/23/26 13:27	06/24/26 15:34	7440-47-3	
Lead	**7.8**	mg/kg	0.55	0.25	1	06/23/26 13:27	06/24/26 15:34	7439-92-1	
Selenium	**<0.48**	mg/kg	1.1	0.48	1	06/23/26 13:27	06/24/26 15:34	7782-49-2	
Silver	**<0.044**	mg/kg	0.55	0.044	1	06/23/26 13:27	06/24/26 15:34	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.016J**	mg/kg	0.021	0.0089	1	06/23/26 14:32	06/24/26 10:03	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**11.4**	%	0.10	0.10	1		06/24/26 15:03		N2

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-COMP-03_0-1 **Lab ID: 10777154009** Collected: 06/08/26 15:37 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.2**	ug/kg	11.0	1.2	1	06/16/26 15:01	06/17/26 08:52	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	11.0	1.9	1	06/16/26 15:01	06/17/26 08:52	208-96-8	
Anthracene	**<1.3**	ug/kg	11.0	1.3	1	06/16/26 15:01	06/17/26 08:52	120-12-7	
Benzo(a)anthracene	**2.7J**	ug/kg	11.0	2.0	1	06/16/26 15:01	06/17/26 08:52	56-55-3	
Benzo(a)pyrene	**3.2J**	ug/kg	11.0	1.8	1	06/16/26 15:01	06/17/26 08:52	50-32-8	
Benzo(b)fluoranthene	**4.6J**	ug/kg	11.0	2.5	1	06/16/26 15:01	06/17/26 08:52	205-99-2	
Benzo(g,h,i)perylene	**3.0J**	ug/kg	11.0	2.4	1	06/16/26 15:01	06/17/26 08:52	191-24-2	
Benzo(k)fluoranthene	**1.8J**	ug/kg	11.0	1.4	1	06/16/26 15:01	06/17/26 08:52	207-08-9	
Chrysene	**3.4J**	ug/kg	11.0	1.4	1	06/16/26 15:01	06/17/26 08:52	218-01-9	
Dibenz(a,h)anthracene	**<1.6**	ug/kg	11.0	1.6	1	06/16/26 15:01	06/17/26 08:52	53-70-3	
Fluoranthene	**6.6J**	ug/kg	11.0	2.8	1	06/16/26 15:01	06/17/26 08:52	206-44-0	
Fluorene	**<1.2**	ug/kg	11.0	1.2	1	06/16/26 15:01	06/17/26 08:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**2.8J**	ug/kg	11.0	2.2	1	06/16/26 15:01	06/17/26 08:52	193-39-5	
Naphthalene	**<3.9**	ug/kg	11.0	3.9	1	06/16/26 15:01	06/17/26 08:52	91-20-3	
Phenanthrene	**4.0J**	ug/kg	11.0	2.4	1	06/16/26 15:01	06/17/26 08:52	85-01-8	
Pyrene	**5.0J**	ug/kg	11.0	2.3	1	06/16/26 15:01	06/17/26 08:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%.	61-125		1	06/16/26 15:01	06/17/26 08:52	321-60-8	
p-Terphenyl-d14 (S)	70	%.	61-125		1	06/16/26 15:01	06/17/26 08:52	1718-51-0	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP12-1_0-1 **Lab ID: 10777154010** Collected: 06/08/26 15:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**<2.0**	mg/kg	7.1	2.0	1	06/16/26 18:13	06/19/26 01:42		
Surrogates									
n-Triacontane (S)	114	%.	50-150		1	06/16/26 18:13	06/19/26 01:42		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.0**	mg/kg	12.3	3.0	1	06/25/26 13:14	06/26/26 17:19		
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%.	80-200		1	06/25/26 13:14	06/26/26 17:19	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**11.5**	%	0.10	0.10	1		06/24/26 15:03		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<486**	ug/kg	1510	486	1	06/22/26 13:51	06/22/26 23:34	67-64-1	
Allyl chloride	**<134**	ug/kg	303	134	1	06/22/26 13:51	06/22/26 23:34	107-05-1	
Benzene	**<10.2**	ug/kg	30.3	10.2	1	06/22/26 13:51	06/22/26 23:34	71-43-2	
Bromobenzene	**<26.2**	ug/kg	75.7	26.2	1	06/22/26 13:51	06/22/26 23:34	108-86-1	
Bromochloromethane	**<23.9**	ug/kg	75.7	23.9	1	06/22/26 13:51	06/22/26 23:34	74-97-5	
Bromodichloromethane	**<30.9**	ug/kg	75.7	30.9	1	06/22/26 13:51	06/22/26 23:34	75-27-4	
Bromoform	**<145**	ug/kg	303	145	1	06/22/26 13:51	06/22/26 23:34	75-25-2	
Bromomethane	**<264**	ug/kg	757	264	1	06/22/26 13:51	06/22/26 23:34	74-83-9	
2-Butanone (MEK)	**<177**	ug/kg	379	177	1	06/22/26 13:51	06/22/26 23:34	78-93-3	
n-Butylbenzene	**<26.5**	ug/kg	75.7	26.5	1	06/22/26 13:51	06/22/26 23:34	104-51-8	
sec-Butylbenzene	**<19.5**	ug/kg	75.7	19.5	1	06/22/26 13:51	06/22/26 23:34	135-98-8	
tert-Butylbenzene	**<22.3**	ug/kg	75.7	22.3	1	06/22/26 13:51	06/22/26 23:34	98-06-6	
Carbon tetrachloride	**<27.7**	ug/kg	75.7	27.7	1	06/22/26 13:51	06/22/26 23:34	56-23-5	
Chlorobenzene	**<22.1**	ug/kg	75.7	22.1	1	06/22/26 13:51	06/22/26 23:34	108-90-7	
Chloroethane	**<209**	ug/kg	757	209	1	06/22/26 13:51	06/22/26 23:34	75-00-3	
Chloroform	**<29.2**	ug/kg	75.7	29.2	1	06/22/26 13:51	06/22/26 23:34	67-66-3	v1
Chloromethane	**<46.7**	ug/kg	303	46.7	1	06/22/26 13:51	06/22/26 23:34	74-87-3	
2-Chlorotoluene	**<21.5**	ug/kg	75.7	21.5	1	06/22/26 13:51	06/22/26 23:34	95-49-8	
4-Chlorotoluene	**<22.6**	ug/kg	75.7	22.6	1	06/22/26 13:51	06/22/26 23:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<126**	ug/kg	757	126	1	06/22/26 13:51	06/22/26 23:34	96-12-8	
Dibromochloromethane	**<75.0**	ug/kg	303	75.0	1	06/22/26 13:51	06/22/26 23:34	124-48-1	
1,2-Dibromoethane (EDB)	**<24.2**	ug/kg	75.7	24.2	1	06/22/26 13:51	06/22/26 23:34	106-93-4	
Dibromomethane	**<30.9**	ug/kg	75.7	30.9	1	06/22/26 13:51	06/22/26 23:34	74-95-3	
1,2-Dichlorobenzene	**<22.1**	ug/kg	75.7	22.1	1	06/22/26 13:51	06/22/26 23:34	95-50-1	
1,3-Dichlorobenzene	**<20.3**	ug/kg	75.7	20.3	1	06/22/26 13:51	06/22/26 23:34	541-73-1	
1,4-Dichlorobenzene	**<20.0**	ug/kg	75.7	20.0	1	06/22/26 13:51	06/22/26 23:34	106-46-7	
Dichlorodifluoromethane	**<40.4**	ug/kg	303	40.4	1	06/22/26 13:51	06/22/26 23:34	75-71-8	v1
1,1-Dichloroethane	**<20.9**	ug/kg	75.7	20.9	1	06/22/26 13:51	06/22/26 23:34	75-34-3	L1,v1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP12-1_0-1 **Lab ID: 10777154010** Collected: 06/08/26 15:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<21.1**	ug/kg	75.7	21.1	1	06/22/26 13:51	06/22/26 23:34	107-06-2	
1,1-Dichloroethene	**<20.1**	ug/kg	75.7	20.1	1	06/22/26 13:51	06/22/26 23:34	75-35-4	
cis-1,2-Dichloroethene	**<22.9**	ug/kg	75.7	22.9	1	06/22/26 13:51	06/22/26 23:34	156-59-2	L1
trans-1,2-Dichloroethene	**<20.1**	ug/kg	75.7	20.1	1	06/22/26 13:51	06/22/26 23:34	156-60-5	L1,v1
Dichlorofluoromethane	**<111**	ug/kg	757	111	1	06/22/26 13:51	06/22/26 23:34	75-43-4	L1,v1
1,2-Dichloropropane	**<23.0**	ug/kg	75.7	23.0	1	06/22/26 13:51	06/22/26 23:34	78-87-5	
1,3-Dichloropropane	**<23.9**	ug/kg	75.7	23.9	1	06/22/26 13:51	06/22/26 23:34	142-28-9	
2,2-Dichloropropane	**<33.2**	ug/kg	303	33.2	1	06/22/26 13:51	06/22/26 23:34	594-20-7	v1
1,1-Dichloropropene	**<19.4**	ug/kg	75.7	19.4	1	06/22/26 13:51	06/22/26 23:34	563-58-6	
cis-1,3-Dichloropropene	**<25.8**	ug/kg	75.7	25.8	1	06/22/26 13:51	06/22/26 23:34	10061-01-5	
trans-1,3-Dichloropropene	**<23.6**	ug/kg	75.7	23.6	1	06/22/26 13:51	06/22/26 23:34	10061-02-6	
Diethyl ether (Ethyl ether)	**<52.3**	ug/kg	303	52.3	1	06/22/26 13:51	06/22/26 23:34	60-29-7	
Ethylbenzene	**<25.4**	ug/kg	75.7	25.4	1	06/22/26 13:51	06/22/26 23:34	100-41-4	
Hexachloro-1,3-butadiene	**<47.1**	ug/kg	379	47.1	1	06/22/26 13:51	06/22/26 23:34	87-68-3	
Isopropylbenzene (Cumene)	**<18.9**	ug/kg	75.7	18.9	1	06/22/26 13:51	06/22/26 23:34	98-82-8	
p-Isopropyltoluene	**<19.8**	ug/kg	75.7	19.8	1	06/22/26 13:51	06/22/26 23:34	99-87-6	
Methylene Chloride	**<150**	ug/kg	303	150	1	06/22/26 13:51	06/22/26 23:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<146**	ug/kg	379	146	1	06/22/26 13:51	06/22/26 23:34	108-10-1	
Methyl-tert-butyl ether	**<22.1**	ug/kg	75.7	22.1	1	06/22/26 13:51	06/22/26 23:34	1634-04-4	v1
Naphthalene	**<30.3**	ug/kg	303	30.3	1	06/22/26 13:51	06/22/26 23:34	91-20-3	
n-Propylbenzene	**<18.9**	ug/kg	75.7	18.9	1	06/22/26 13:51	06/22/26 23:34	103-65-1	
Styrene	**<24.4**	ug/kg	75.7	24.4	1	06/22/26 13:51	06/22/26 23:34	100-42-5	
1,1,1,2-Tetrachloroethane	**<25.6**	ug/kg	75.7	25.6	1	06/22/26 13:51	06/22/26 23:34	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.5**	ug/kg	75.7	19.5	1	06/22/26 13:51	06/22/26 23:34	79-34-5	
Tetrachloroethene	**<26.4**	ug/kg	75.7	26.4	1	06/22/26 13:51	06/22/26 23:34	127-18-4	
Tetrahydrofuran	**<567**	ug/kg	3030	567	1	06/22/26 13:51	06/22/26 23:34	109-99-9	L1,v1
Toluene	**<30.3**	ug/kg	75.7	30.3	1	06/22/26 13:51	06/22/26 23:34	108-88-3	L1
1,2,3-Trichlorobenzene	**<23.6**	ug/kg	75.7	23.6	1	06/22/26 13:51	06/22/26 23:34	87-61-6	
1,2,4-Trichlorobenzene	**<24.5**	ug/kg	75.7	24.5	1	06/22/26 13:51	06/22/26 23:34	120-82-1	
1,1,1-Trichloroethane	**<23.8**	ug/kg	75.7	23.8	1	06/22/26 13:51	06/22/26 23:34	71-55-6	v1
1,1,2-Trichloroethane	**<22.9**	ug/kg	75.7	22.9	1	06/22/26 13:51	06/22/26 23:34	79-00-5	
Trichloroethene	**<20.4**	ug/kg	75.7	20.4	1	06/22/26 13:51	06/22/26 23:34	79-01-6	
Trichlorofluoromethane	**<88.9**	ug/kg	303	88.9	1	06/22/26 13:51	06/22/26 23:34	75-69-4	v1
1,2,3-Trichloropropane	**<26.4**	ug/kg	303	26.4	1	06/22/26 13:51	06/22/26 23:34	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<30.7**	ug/kg	303	30.7	1	06/22/26 13:51	06/22/26 23:34	76-13-1	
1,2,4-Trimethylbenzene	**<22.0**	ug/kg	75.7	22.0	1	06/22/26 13:51	06/22/26 23:34	95-63-6	
1,3,5-Trimethylbenzene	**<21.2**	ug/kg	75.7	21.2	1	06/22/26 13:51	06/22/26 23:34	108-67-8	
Vinyl chloride	**<14.0**	ug/kg	30.3	14.0	1	06/22/26 13:51	06/22/26 23:34	75-01-4	
Xylene (Total)	**<43.0**	ug/kg	227	43.0	1	06/22/26 13:51	06/22/26 23:34	1330-20-7	
m&p-Xylene	**<43.0**	ug/kg	151	43.0	1	06/22/26 13:51	06/22/26 23:34	179601-23-1	
o-Xylene	**<23.6**	ug/kg	75.7	23.6	1	06/22/26 13:51	06/22/26 23:34	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/22/26 13:51	06/22/26 23:34	2037-26-5	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP12-1_0-1 **Lab ID: 10777154010** Collected: 06/08/26 15:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	108	%.	75-125		1	06/22/26 13:51	06/22/26 23:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125		1	06/22/26 13:51	06/22/26 23:34	2199-69-1	

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP13-1_1-2 **Lab ID: 10777154011** Collected: 06/09/26 08:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**53.7J**	mg/kg	92.1	25.8	10	06/16/26 18:13	06/19/26 01:14		ED,T6
Surrogates									
n-Triacontane (S)	0	%.	50-150		10	06/16/26 18:13	06/19/26 01:14		CH,S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**4.8J**	mg/kg	12.2	3.0	1	06/25/26 13:14	06/26/26 17:41		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	80-200		1	06/25/26 13:14	06/26/26 17:41	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**10.2**	%	0.10	0.10	1		06/24/26 15:03		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<554**	ug/kg	1720	554	1	06/23/26 09:50	06/26/26 00:47	67-64-1	H1
Allyl chloride	**<152**	ug/kg	345	152	1	06/23/26 09:50	06/26/26 00:47	107-05-1	H1
Benzene	**58.2**	ug/kg	34.5	11.6	1	06/23/26 09:50	06/26/26 00:47	71-43-2	H1
Bromobenzene	**<29.8**	ug/kg	86.2	29.8	1	06/23/26 09:50	06/26/26 00:47	108-86-1	H1
Bromochloromethane	**<27.3**	ug/kg	86.2	27.3	1	06/23/26 09:50	06/26/26 00:47	74-97-5	H1
Bromodichloromethane	**<35.2**	ug/kg	86.2	35.2	1	06/23/26 09:50	06/26/26 00:47	75-27-4	H1
Bromoform	**<165**	ug/kg	345	165	1	06/23/26 09:50	06/26/26 00:47	75-25-2	H1
Bromomethane	**<300**	ug/kg	862	300	1	06/23/26 09:50	06/26/26 00:47	74-83-9	H1
2-Butanone (MEK)	**<202**	ug/kg	431	202	1	06/23/26 09:50	06/26/26 00:47	78-93-3	H1
n-Butylbenzene	**38.1J**	ug/kg	86.2	30.2	1	06/23/26 09:50	06/26/26 00:47	104-51-8	H1
sec-Butylbenzene	**23.0J**	ug/kg	86.2	22.3	1	06/23/26 09:50	06/26/26 00:47	135-98-8	H1
tert-Butylbenzene	**<25.4**	ug/kg	86.2	25.4	1	06/23/26 09:50	06/26/26 00:47	98-06-6	H1
Carbon tetrachloride	**<31.6**	ug/kg	86.2	31.6	1	06/23/26 09:50	06/26/26 00:47	56-23-5	H1
Chlorobenzene	**<25.2**	ug/kg	86.2	25.2	1	06/23/26 09:50	06/26/26 00:47	108-90-7	H1
Chloroethane	**<238**	ug/kg	862	238	1	06/23/26 09:50	06/26/26 00:47	75-00-3	H1
Chloroform	**<33.3**	ug/kg	86.2	33.3	1	06/23/26 09:50	06/26/26 00:47	67-66-3	H1
Chloromethane	**<53.1**	ug/kg	345	53.1	1	06/23/26 09:50	06/26/26 00:47	74-87-3	H1
2-Chlorotoluene	**<24.5**	ug/kg	86.2	24.5	1	06/23/26 09:50	06/26/26 00:47	95-49-8	H1
4-Chlorotoluene	**<25.7**	ug/kg	86.2	25.7	1	06/23/26 09:50	06/26/26 00:47	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<144**	ug/kg	862	144	1	06/23/26 09:50	06/26/26 00:47	96-12-8	H1
Dibromochloromethane	**<85.4**	ug/kg	345	85.4	1	06/23/26 09:50	06/26/26 00:47	124-48-1	H1
1,2-Dibromoethane (EDB)	**<27.6**	ug/kg	86.2	27.6	1	06/23/26 09:50	06/26/26 00:47	106-93-4	H1
Dibromomethane	**<35.2**	ug/kg	86.2	35.2	1	06/23/26 09:50	06/26/26 00:47	74-95-3	H1
1,2-Dichlorobenzene	**<25.2**	ug/kg	86.2	25.2	1	06/23/26 09:50	06/26/26 00:47	95-50-1	H1
1,3-Dichlorobenzene	**<23.1**	ug/kg	86.2	23.1	1	06/23/26 09:50	06/26/26 00:47	541-73-1	H1
1,4-Dichlorobenzene	**<22.8**	ug/kg	86.2	22.8	1	06/23/26 09:50	06/26/26 00:47	106-46-7	H1
Dichlorodifluoromethane	**<46.1**	ug/kg	345	46.1	1	06/23/26 09:50	06/26/26 00:47	75-71-8	H1
1,1-Dichloroethane	**<23.8**	ug/kg	86.2	23.8	1	06/23/26 09:50	06/26/26 00:47	75-34-3	H1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP13-1_1-2 **Lab ID: 10777154011** Collected: 06/09/26 08:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<24.0**	ug/kg	86.2	24.0	1	06/23/26 09:50	06/26/26 00:47	107-06-2	H1
1,1-Dichloroethene	**<22.9**	ug/kg	86.2	22.9	1	06/23/26 09:50	06/26/26 00:47	75-35-4	H1
cis-1,2-Dichloroethene	**<26.0**	ug/kg	86.2	26.0	1	06/23/26 09:50	06/26/26 00:47	156-59-2	H1
trans-1,2-Dichloroethene	**<22.9**	ug/kg	86.2	22.9	1	06/23/26 09:50	06/26/26 00:47	156-60-5	H1
Dichlorofluoromethane	**<127**	ug/kg	862	127	1	06/23/26 09:50	06/26/26 00:47	75-43-4	H1
1,2-Dichloropropane	**<26.2**	ug/kg	86.2	26.2	1	06/23/26 09:50	06/26/26 00:47	78-87-5	H1
1,3-Dichloropropane	**<27.3**	ug/kg	86.2	27.3	1	06/23/26 09:50	06/26/26 00:47	142-28-9	H1
2,2-Dichloropropane	**<37.8**	ug/kg	345	37.8	1	06/23/26 09:50	06/26/26 00:47	594-20-7	H1
1,1-Dichloropropene	**<22.1**	ug/kg	86.2	22.1	1	06/23/26 09:50	06/26/26 00:47	563-58-6	H1
cis-1,3-Dichloropropene	**<29.3**	ug/kg	86.2	29.3	1	06/23/26 09:50	06/26/26 00:47	10061-01-5	H1
trans-1,3-Dichloropropene	**<26.9**	ug/kg	86.2	26.9	1	06/23/26 09:50	06/26/26 00:47	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<59.5**	ug/kg	345	59.5	1	06/23/26 09:50	06/26/26 00:47	60-29-7	H1
Ethylbenzene	**84.9J**	ug/kg	86.2	29.0	1	06/23/26 09:50	06/26/26 00:47	100-41-4	H1
Hexachloro-1,3-butadiene	**<53.6**	ug/kg	431	53.6	1	06/23/26 09:50	06/26/26 00:47	87-68-3	H1
Isopropylbenzene (Cumene)	**61.7J**	ug/kg	86.2	21.6	1	06/23/26 09:50	06/26/26 00:47	98-82-8	H1
p-Isopropyltoluene	**<22.6**	ug/kg	86.2	22.6	1	06/23/26 09:50	06/26/26 00:47	99-87-6	H1
Methylene Chloride	**<171**	ug/kg	345	171	1	06/23/26 09:50	06/26/26 00:47	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<167**	ug/kg	431	167	1	06/23/26 09:50	06/26/26 00:47	108-10-1	H1
Methyl-tert-butyl ether	**<25.2**	ug/kg	86.2	25.2	1	06/23/26 09:50	06/26/26 00:47	1634-04-4	H1
Naphthalene	**398**	ug/kg	345	34.5	1	06/23/26 09:50	06/26/26 00:47	91-20-3	H1
n-Propylbenzene	**65.0J**	ug/kg	86.2	21.6	1	06/23/26 09:50	06/26/26 00:47	103-65-1	H1
Styrene	**<27.8**	ug/kg	86.2	27.8	1	06/23/26 09:50	06/26/26 00:47	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<29.2**	ug/kg	86.2	29.2	1	06/23/26 09:50	06/26/26 00:47	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<22.3**	ug/kg	86.2	22.3	1	06/23/26 09:50	06/26/26 00:47	79-34-5	H1
Tetrachloroethene	**<30.0**	ug/kg	86.2	30.0	1	06/23/26 09:50	06/26/26 00:47	127-18-4	H1
Tetrahydrofuran	**<645**	ug/kg	3450	645	1	06/23/26 09:50	06/26/26 00:47	109-99-9	H1
Toluene	**377**	ug/kg	86.2	34.5	1	06/23/26 09:50	06/26/26 00:47	108-88-3	H1
1,2,3-Trichlorobenzene	**<26.9**	ug/kg	86.2	26.9	1	06/23/26 09:50	06/26/26 00:47	87-61-6	H1
1,2,4-Trichlorobenzene	**<27.9**	ug/kg	86.2	27.9	1	06/23/26 09:50	06/26/26 00:47	120-82-1	H1
1,1,1-Trichloroethane	**<27.1**	ug/kg	86.2	27.1	1	06/23/26 09:50	06/26/26 00:47	71-55-6	H1
1,1,2-Trichloroethane	**<26.0**	ug/kg	86.2	26.0	1	06/23/26 09:50	06/26/26 00:47	79-00-5	H1
Trichloroethene	**<23.3**	ug/kg	86.2	23.3	1	06/23/26 09:50	06/26/26 00:47	79-01-6	H1
Trichlorofluoromethane	**<101**	ug/kg	345	101	1	06/23/26 09:50	06/26/26 00:47	75-69-4	H1
1,2,3-Trichloropropane	**<30.0**	ug/kg	345	30.0	1	06/23/26 09:50	06/26/26 00:47	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<35.0**	ug/kg	345	35.0	1	06/23/26 09:50	06/26/26 00:47	76-13-1	H1
1,2,4-Trimethylbenzene	**254**	ug/kg	86.2	25.0	1	06/23/26 09:50	06/26/26 00:47	95-63-6	H1
1,3,5-Trimethylbenzene	**62.6J**	ug/kg	86.2	24.1	1	06/23/26 09:50	06/26/26 00:47	108-67-8	H1
Vinyl chloride	**<15.9**	ug/kg	34.5	15.9	1	06/23/26 09:50	06/26/26 00:47	75-01-4	H1,v2
Xylene (Total)	**762**	ug/kg	259	49.0	1	06/23/26 09:50	06/26/26 00:47	1330-20-7	H1
m&p-Xylene	**422**	ug/kg	172	49.0	1	06/23/26 09:50	06/26/26 00:47	179601-23-1	H1
o-Xylene	**340**	ug/kg	86.2	26.9	1	06/23/26 09:50	06/26/26 00:47	95-47-6	H1
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/23/26 09:50	06/26/26 00:47	2037-26-5	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP13-1_1-2 **Lab ID: 10777154011** Collected: 06/09/26 08:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	100	%.	75-125		1	06/23/26 09:50	06/26/26 00:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/23/26 09:50	06/26/26 00:47	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP17-1_2-3.5 **Lab ID: 10777154015** Collected: 06/09/26 11:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<14.7**	ug/kg	59.3	14.7	1	06/16/26 18:11	06/17/26 16:13	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.3**	ug/kg	59.3	16.3	1	06/16/26 18:11	06/17/26 16:13	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.1**	ug/kg	59.3	19.1	1	06/16/26 18:11	06/17/26 16:13	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.7**	ug/kg	59.3	21.7	1	06/16/26 18:11	06/17/26 16:13	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.0**	ug/kg	59.3	18.0	1	06/16/26 18:11	06/17/26 16:13	12672-29-6	
PCB-1254 (Aroclor 1254)	**<20.1**	ug/kg	59.3	20.1	1	06/16/26 18:11	06/17/26 16:13	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.4**	ug/kg	59.3	17.4	1	06/16/26 18:11	06/17/26 16:13	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	77	%.	30-125		1	06/16/26 18:11	06/17/26 16:13	877-09-8	
Decachlorobiphenyl (S)	74	%.	30-125		1	06/16/26 18:11	06/17/26 16:13	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**4.5J**	mg/kg	10.5	2.9	1	06/16/26 18:13	06/19/26 01:28		
Surrogates									
n-Triacontane (S)	92	%.	50-150		1	06/16/26 18:13	06/19/26 01:28		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<3.7**	mg/kg	15.0	3.7	1	06/25/26 13:14	06/26/26 18:03		
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%.	80-200		1	06/25/26 13:14	06/26/26 18:03	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**3.3**	mg/kg	1.1	0.19	1	06/23/26 13:27	06/24/26 15:35	7440-38-2	
Barium	**66.9**	mg/kg	0.57	0.084	1	06/23/26 13:27	06/24/26 15:35	7440-39-3	
Cadmium	**0.45**	mg/kg	0.17	0.040	1	06/23/26 13:27	06/24/26 15:35	7440-43-9	
Chromium	**105**	mg/kg	0.57	0.17	1	06/23/26 13:27	06/24/26 15:35	7440-47-3	
Lead	**84.0**	mg/kg	0.57	0.25	1	06/23/26 13:27	06/24/26 15:35	7439-92-1	
Selenium	**<0.49**	mg/kg	1.1	0.49	1	06/23/26 13:27	06/24/26 15:35	7782-49-2	
Silver	**0.11J**	mg/kg	0.57	0.045	1	06/23/26 13:27	06/24/26 15:35	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.34**	mg/kg	0.023	0.0098	1	06/23/26 14:32	06/24/26 10:05	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**19.0**	%	0.10	0.10	1		06/24/26 15:03		N2

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP17-1_2-3.5 **Lab ID: 10777154015** Collected: 06/09/26 11:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**4.3J**	ug/kg	12.1	1.3	1	06/16/26 15:01	06/19/26 13:55	83-32-9	
Acenaphthylene	**2.8J**	ug/kg	12.1	2.1	1	06/16/26 15:01	06/19/26 13:55	208-96-8	
Anthracene	**15.0**	ug/kg	12.1	1.4	1	06/16/26 15:01	06/19/26 13:55	120-12-7	
Benzo(a)anthracene	**52.1**	ug/kg	12.1	2.2	1	06/16/26 15:01	06/19/26 13:55	56-55-3	
Benzo(a)pyrene	**51.4**	ug/kg	12.1	2.0	1	06/16/26 15:01	06/19/26 13:55	50-32-8	
Benzo(b)fluoranthene	**102**	ug/kg	12.1	2.8	1	06/16/26 15:01	06/19/26 13:55	205-99-2	
Benzo(g,h,i)perylene	**80.3**	ug/kg	12.1	2.7	1	06/16/26 15:01	06/19/26 13:55	191-24-2	
Benzo(k)fluoranthene	**31.4**	ug/kg	12.1	1.6	1	06/16/26 15:01	06/19/26 13:55	207-08-9	
Chrysene	**65.4**	ug/kg	12.1	1.6	1	06/16/26 15:01	06/19/26 13:55	218-01-9	
Dibenz(a,h)anthracene	**27.2**	ug/kg	12.1	1.7	1	06/16/26 15:01	06/19/26 13:55	53-70-3	
Fluoranthene	**69.3**	ug/kg	12.1	3.1	1	06/16/26 15:01	06/19/26 13:55	206-44-0	
Fluorene	**2.8J**	ug/kg	12.1	1.4	1	06/16/26 15:01	06/19/26 13:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**72.8**	ug/kg	12.1	2.5	1	06/16/26 15:01	06/19/26 13:55	193-39-5	
Naphthalene	**53.2**	ug/kg	12.1	4.3	1	06/16/26 15:01	06/19/26 13:55	91-20-3	
Phenanthrene	**79.2**	ug/kg	12.1	2.6	1	06/16/26 15:01	06/19/26 13:55	85-01-8	
Pyrene	**53.0**	ug/kg	12.1	2.5	1	06/16/26 15:01	06/19/26 13:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%.	61-125		1	06/16/26 15:01	06/19/26 13:55	321-60-8	
p-Terphenyl-d14 (S)	79	%.	61-125		1	06/16/26 15:01	06/19/26 13:55	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<559**	ug/kg	1740	559	1	06/23/26 09:50	06/24/26 01:36	67-64-1	H1
Allyl chloride	**<154**	ug/kg	348	154	1	06/23/26 09:50	06/24/26 01:36	107-05-1	H1
Benzene	**<11.7**	ug/kg	34.8	11.7	1	06/23/26 09:50	06/24/26 01:36	71-43-2	H1
Bromobenzene	**<30.1**	ug/kg	87.0	30.1	1	06/23/26 09:50	06/24/26 01:36	108-86-1	H1
Bromochloromethane	**<27.5**	ug/kg	87.0	27.5	1	06/23/26 09:50	06/24/26 01:36	74-97-5	H1
Bromodichloromethane	**<35.5**	ug/kg	87.0	35.5	1	06/23/26 09:50	06/24/26 01:36	75-27-4	H1
Bromoform	**<166**	ug/kg	348	166	1	06/23/26 09:50	06/24/26 01:36	75-25-2	H1
Bromomethane	**<303**	ug/kg	870	303	1	06/23/26 09:50	06/24/26 01:36	74-83-9	H1
2-Butanone (MEK)	**<204**	ug/kg	435	204	1	06/23/26 09:50	06/24/26 01:36	78-93-3	H1
n-Butylbenzene	**31.6J**	ug/kg	87.0	30.5	1	06/23/26 09:50	06/24/26 01:36	104-51-8	H1
sec-Butylbenzene	**<22.5**	ug/kg	87.0	22.5	1	06/23/26 09:50	06/24/26 01:36	135-98-8	H1
tert-Butylbenzene	**<25.6**	ug/kg	87.0	25.6	1	06/23/26 09:50	06/24/26 01:36	98-06-6	H1
Carbon tetrachloride	**<31.9**	ug/kg	87.0	31.9	1	06/23/26 09:50	06/24/26 01:36	56-23-5	H1
Chlorobenzene	**<25.4**	ug/kg	87.0	25.4	1	06/23/26 09:50	06/24/26 01:36	108-90-7	H1
Chloroethane	**<240**	ug/kg	870	240	1	06/23/26 09:50	06/24/26 01:36	75-00-3	H1
Chloroform	**<33.6**	ug/kg	87.0	33.6	1	06/23/26 09:50	06/24/26 01:36	67-66-3	H1
Chloromethane	**<53.6**	ug/kg	348	53.6	1	06/23/26 09:50	06/24/26 01:36	74-87-3	H1
2-Chlorotoluene	**<24.7**	ug/kg	87.0	24.7	1	06/23/26 09:50	06/24/26 01:36	95-49-8	H1
4-Chlorotoluene	**<25.9**	ug/kg	87.0	25.9	1	06/23/26 09:50	06/24/26 01:36	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<145**	ug/kg	870	145	1	06/23/26 09:50	06/24/26 01:36	96-12-8	H1
Dibromochloromethane	**<86.2**	ug/kg	348	86.2	1	06/23/26 09:50	06/24/26 01:36	124-48-1	H1

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(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP17-1_2-3.5 **Lab ID: 10777154015** Collected: 06/09/26 11:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<27.9**	ug/kg	87.0	27.9	1	06/23/26 09:50	06/24/26 01:36	106-93-4	H1
Dibromomethane	**<35.5**	ug/kg	87.0	35.5	1	06/23/26 09:50	06/24/26 01:36	74-95-3	H1
1,2-Dichlorobenzene	**<25.4**	ug/kg	87.0	25.4	1	06/23/26 09:50	06/24/26 01:36	95-50-1	H1
1,3-Dichlorobenzene	**<23.3**	ug/kg	87.0	23.3	1	06/23/26 09:50	06/24/26 01:36	541-73-1	H1
1,4-Dichlorobenzene	**<23.0**	ug/kg	87.0	23.0	1	06/23/26 09:50	06/24/26 01:36	106-46-7	H1
Dichlorodifluoromethane	**<46.5**	ug/kg	348	46.5	1	06/23/26 09:50	06/24/26 01:36	75-71-8	H1
1,1-Dichloroethane	**<24.0**	ug/kg	87.0	24.0	1	06/23/26 09:50	06/24/26 01:36	75-34-3	H1
1,2-Dichloroethane	**<24.2**	ug/kg	87.0	24.2	1	06/23/26 09:50	06/24/26 01:36	107-06-2	H1
1,1-Dichloroethene	**<23.2**	ug/kg	87.0	23.2	1	06/23/26 09:50	06/24/26 01:36	75-35-4	H1
cis-1,2-Dichloroethene	**<26.3**	ug/kg	87.0	26.3	1	06/23/26 09:50	06/24/26 01:36	156-59-2	H1
trans-1,2-Dichloroethene	**<23.2**	ug/kg	87.0	23.2	1	06/23/26 09:50	06/24/26 01:36	156-60-5	H1
Dichlorofluoromethane	**<128**	ug/kg	870	128	1	06/23/26 09:50	06/24/26 01:36	75-43-4	H1
1,2-Dichloropropane	**<26.5**	ug/kg	87.0	26.5	1	06/23/26 09:50	06/24/26 01:36	78-87-5	H1
1,3-Dichloropropane	**<27.5**	ug/kg	87.0	27.5	1	06/23/26 09:50	06/24/26 01:36	142-28-9	H1
2,2-Dichloropropane	**<38.1**	ug/kg	348	38.1	1	06/23/26 09:50	06/24/26 01:36	594-20-7	H1
1,1-Dichloropropene	**<22.3**	ug/kg	87.0	22.3	1	06/23/26 09:50	06/24/26 01:36	563-58-6	H1
cis-1,3-Dichloropropene	**<29.6**	ug/kg	87.0	29.6	1	06/23/26 09:50	06/24/26 01:36	10061-01-5	H1
trans-1,3-Dichloropropene	**<27.2**	ug/kg	87.0	27.2	1	06/23/26 09:50	06/24/26 01:36	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<60.1**	ug/kg	348	60.1	1	06/23/26 09:50	06/24/26 01:36	60-29-7	H1
Ethylbenzene	**106**	ug/kg	87.0	29.2	1	06/23/26 09:50	06/24/26 01:36	100-41-4	H1
Hexachloro-1,3-butadiene	**<54.1**	ug/kg	435	54.1	1	06/23/26 09:50	06/24/26 01:36	87-68-3	H1
Isopropylbenzene (Cumene)	**47.0J**	ug/kg	87.0	21.8	1	06/23/26 09:50	06/24/26 01:36	98-82-8	H1
p-Isopropyltoluene	**<22.8**	ug/kg	87.0	22.8	1	06/23/26 09:50	06/24/26 01:36	99-87-6	H1
Methylene Chloride	**<173**	ug/kg	348	173	1	06/23/26 09:50	06/24/26 01:36	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<168**	ug/kg	435	168	1	06/23/26 09:50	06/24/26 01:36	108-10-1	H1
Methyl-tert-butyl ether	**<25.4**	ug/kg	87.0	25.4	1	06/23/26 09:50	06/24/26 01:36	1634-04-4	H1
Naphthalene	**234J**	ug/kg	348	34.8	1	06/23/26 09:50	06/24/26 01:36	91-20-3	H1
n-Propylbenzene	**80.8J**	ug/kg	87.0	21.8	1	06/23/26 09:50	06/24/26 01:36	103-65-1	H1
Styrene	**<28.0**	ug/kg	87.0	28.0	1	06/23/26 09:50	06/24/26 01:36	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<29.4**	ug/kg	87.0	29.4	1	06/23/26 09:50	06/24/26 01:36	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<22.5**	ug/kg	87.0	22.5	1	06/23/26 09:50	06/24/26 01:36	79-34-5	H1
Tetrachloroethene	**4010**	ug/kg	87.0	30.3	1	06/23/26 09:50	06/24/26 01:36	127-18-4	H1
Tetrahydrofuran	**<651**	ug/kg	3480	651	1	06/23/26 09:50	06/24/26 01:36	109-99-9	H1
Toluene	**214**	ug/kg	87.0	34.8	1	06/23/26 09:50	06/24/26 01:36	108-88-3	H1
1,2,3-Trichlorobenzene	**<27.2**	ug/kg	87.0	27.2	1	06/23/26 09:50	06/24/26 01:36	87-61-6	H1
1,2,4-Trichlorobenzene	**<28.2**	ug/kg	87.0	28.2	1	06/23/26 09:50	06/24/26 01:36	120-82-1	H1
1,1,1-Trichloroethane	**<27.3**	ug/kg	87.0	27.3	1	06/23/26 09:50	06/24/26 01:36	71-55-6	H1
1,1,2-Trichloroethane	**<26.3**	ug/kg	87.0	26.3	1	06/23/26 09:50	06/24/26 01:36	79-00-5	H1
Trichloroethene	**<23.5**	ug/kg	87.0	23.5	1	06/23/26 09:50	06/24/26 01:36	79-01-6	H1
Trichlorofluoromethane	**<102**	ug/kg	348	102	1	06/23/26 09:50	06/24/26 01:36	75-69-4	H1
1,2,3-Trichloropropane	**<30.3**	ug/kg	348	30.3	1	06/23/26 09:50	06/24/26 01:36	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<35.3**	ug/kg	348	35.3	1	06/23/26 09:50	06/24/26 01:36	76-13-1	H1
1,2,4-Trimethylbenzene	**112**	ug/kg	87.0	25.2	1	06/23/26 09:50	06/24/26 01:36	95-63-6	H1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP17-1_2-3.5 **Lab ID: 10777154015** Collected: 06/09/26 11:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<24.4**	ug/kg	87.0	24.4	1	06/23/26 09:50	06/24/26 01:36	108-67-8	H1
Vinyl chloride	**<16.0**	ug/kg	34.8	16.0	1	06/23/26 09:50	06/24/26 01:36	75-01-4	H1
Xylene (Total)	**489**	ug/kg	261	49.4	1	06/23/26 09:50	06/24/26 01:36	1330-20-7	H1
m&p-Xylene	**286**	ug/kg	174	49.4	1	06/23/26 09:50	06/24/26 01:36	179601-23-1	H1
o-Xylene	**203**	ug/kg	87.0	27.2	1	06/23/26 09:50	06/24/26 01:36	95-47-6	H1
Surrogates									
Toluene-d8 (S)	101	%.	75-125		1	06/23/26 09:50	06/24/26 01:36	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	06/23/26 09:50	06/24/26 01:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/23/26 09:50	06/24/26 01:36	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-COMP-04_2-2.5 **Lab ID: 10777154019** Collected: 06/09/26 12:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<14.2**	ug/kg	57.4	14.2	1	06/16/26 18:11	06/17/26 16:29	12674-11-2	
PCB-1221 (Aroclor 1221)	**<15.7**	ug/kg	57.4	15.7	1	06/16/26 18:11	06/17/26 16:29	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.5**	ug/kg	57.4	18.5	1	06/16/26 18:11	06/17/26 16:29	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.0**	ug/kg	57.4	21.0	1	06/16/26 18:11	06/17/26 16:29	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.4**	ug/kg	57.4	17.4	1	06/16/26 18:11	06/17/26 16:29	12672-29-6	
PCB-1254 (Aroclor 1254)	**<19.4**	ug/kg	57.4	19.4	1	06/16/26 18:11	06/17/26 16:29	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.9**	ug/kg	57.4	16.9	1	06/16/26 18:11	06/17/26 16:29	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	100	%.	30-125		1	06/16/26 18:11	06/17/26 16:29	877-09-8	
Decachlorobiphenyl (S)	102	%.	30-125		1	06/16/26 18:11	06/17/26 16:29	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**1.7**	mg/kg	1.1	0.18	1	06/23/26 13:27	06/24/26 15:37	7440-38-2	B
Barium	**41.1**	mg/kg	0.55	0.081	1	06/23/26 13:27	06/24/26 15:37	7440-39-3	
Cadmium	**0.056J**	mg/kg	0.16	0.038	1	06/23/26 13:27	06/24/26 15:37	7440-43-9	
Chromium	**9.9**	mg/kg	0.55	0.16	1	06/23/26 13:27	06/24/26 15:37	7440-47-3	
Lead	**4.5**	mg/kg	0.55	0.25	1	06/23/26 13:27	06/24/26 15:37	7439-92-1	
Selenium	**<0.48**	mg/kg	1.1	0.48	1	06/23/26 13:27	06/24/26 15:37	7782-49-2	
Silver	**<0.044**	mg/kg	0.55	0.044	1	06/23/26 13:27	06/24/26 15:37	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.018J**	mg/kg	0.022	0.0096	1	06/23/26 14:32	06/24/26 10:09	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**12.8**	%	0.10	0.10	1		06/24/26 15:04		N2

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-COMP-04_2-2.5 **Lab ID: 10777154019** Collected: 06/09/26 12:40 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**4.8J**	ug/kg	11.4	1.2	1	06/16/26 15:01	06/17/26 09:35	83-32-9	
Acenaphthylene	**5.9J**	ug/kg	11.4	2.0	1	06/16/26 15:01	06/17/26 09:35	208-96-8	
Anthracene	**9.0J**	ug/kg	11.4	1.3	1	06/16/26 15:01	06/17/26 09:35	120-12-7	
Benzo(a)anthracene	**18.8**	ug/kg	11.4	2.1	1	06/16/26 15:01	06/17/26 09:35	56-55-3	
Benzo(a)pyrene	**21.2**	ug/kg	11.4	1.9	1	06/16/26 15:01	06/17/26 09:35	50-32-8	
Benzo(b)fluoranthene	**61.0**	ug/kg	11.4	2.6	1	06/16/26 15:01	06/17/26 09:35	205-99-2	
Benzo(g,h,i)perylene	**52.2**	ug/kg	11.4	2.5	1	06/16/26 15:01	06/17/26 09:35	191-24-2	
Benzo(k)fluoranthene	**18.4**	ug/kg	11.4	1.5	1	06/16/26 15:01	06/17/26 09:35	207-08-9	
Chrysene	**39.4**	ug/kg	11.4	1.5	1	06/16/26 15:01	06/17/26 09:35	218-01-9	
Dibenz(a,h)anthracene	**8.2J**	ug/kg	11.4	1.6	1	06/16/26 15:01	06/17/26 09:35	53-70-3	
Fluoranthene	**51.8**	ug/kg	11.4	3.0	1	06/16/26 15:01	06/17/26 09:35	206-44-0	
Fluorene	**7.4J**	ug/kg	11.4	1.3	1	06/16/26 15:01	06/17/26 09:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**42.9**	ug/kg	11.4	2.3	1	06/16/26 15:01	06/17/26 09:35	193-39-5	
Naphthalene	**110**	ug/kg	11.4	4.0	1	06/16/26 15:01	06/17/26 09:35	91-20-3	
Phenanthrene	**102**	ug/kg	11.4	2.5	1	06/16/26 15:01	06/17/26 09:35	85-01-8	
Pyrene	**31.9**	ug/kg	11.4	2.3	1	06/16/26 15:01	06/17/26 09:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%.	61-125		1	06/16/26 15:01	06/17/26 09:35	321-60-8	
p-Terphenyl-d14 (S)	74	%.	61-125		1	06/16/26 15:01	06/17/26 09:35	1718-51-0	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP23-2_2-2.5 **Lab ID: 10777154020** Collected: 06/09/26 13:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**6.3J**	mg/kg	9.5	2.7	1	06/16/26 18:13	06/19/26 01:35		
Surrogates									
n-Triacontane (S)	98	%.	50-150		1	06/16/26 18:13	06/19/26 01:35		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**6.5J**	mg/kg	13.4	3.3	1	06/25/26 13:14	06/26/26 18:25		GO
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	80-200		1	06/25/26 13:14	06/26/26 18:25	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**14.6**	%	0.10	0.10	1		06/24/26 15:04		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<445**	ug/kg	1390	445	1	06/23/26 09:50	06/24/26 01:52	67-64-1	H1
Allyl chloride	**<122**	ug/kg	277	122	1	06/23/26 09:50	06/24/26 01:52	107-05-1	H1
Benzene	**32.6**	ug/kg	27.7	9.3	1	06/23/26 09:50	06/24/26 01:52	71-43-2	H1
Bromobenzene	**<24.0**	ug/kg	69.3	24.0	1	06/23/26 09:50	06/24/26 01:52	108-86-1	H1
Bromochloromethane	**<21.9**	ug/kg	69.3	21.9	1	06/23/26 09:50	06/24/26 01:52	74-97-5	H1
Bromodichloromethane	**<28.3**	ug/kg	69.3	28.3	1	06/23/26 09:50	06/24/26 01:52	75-27-4	H1
Bromoform	**<132**	ug/kg	277	132	1	06/23/26 09:50	06/24/26 01:52	75-25-2	H1
Bromomethane	**<241**	ug/kg	693	241	1	06/23/26 09:50	06/24/26 01:52	74-83-9	H1
2-Butanone (MEK)	**<162**	ug/kg	346	162	1	06/23/26 09:50	06/24/26 01:52	78-93-3	H1
n-Butylbenzene	**<24.2**	ug/kg	69.3	24.2	1	06/23/26 09:50	06/24/26 01:52	104-51-8	H1
sec-Butylbenzene	**<17.9**	ug/kg	69.3	17.9	1	06/23/26 09:50	06/24/26 01:52	135-98-8	H1
tert-Butylbenzene	**<20.4**	ug/kg	69.3	20.4	1	06/23/26 09:50	06/24/26 01:52	98-06-6	H1
Carbon tetrachloride	**<25.3**	ug/kg	69.3	25.3	1	06/23/26 09:50	06/24/26 01:52	56-23-5	H1
Chlorobenzene	**<20.2**	ug/kg	69.3	20.2	1	06/23/26 09:50	06/24/26 01:52	108-90-7	H1
Chloroethane	**<191**	ug/kg	693	191	1	06/23/26 09:50	06/24/26 01:52	75-00-3	H1
Chloroform	**<26.7**	ug/kg	69.3	26.7	1	06/23/26 09:50	06/24/26 01:52	67-66-3	H1
Chloromethane	**<42.7**	ug/kg	277	42.7	1	06/23/26 09:50	06/24/26 01:52	74-87-3	H1
2-Chlorotoluene	**<19.7**	ug/kg	69.3	19.7	1	06/23/26 09:50	06/24/26 01:52	95-49-8	H1
4-Chlorotoluene	**<20.6**	ug/kg	69.3	20.6	1	06/23/26 09:50	06/24/26 01:52	106-43-4	H1
1,2-Dibromo-3-chloropropane	**<115**	ug/kg	693	115	1	06/23/26 09:50	06/24/26 01:52	96-12-8	H1
Dibromochloromethane	**<68.6**	ug/kg	277	68.6	1	06/23/26 09:50	06/24/26 01:52	124-48-1	H1
1,2-Dibromoethane (EDB)	**<22.2**	ug/kg	69.3	22.2	1	06/23/26 09:50	06/24/26 01:52	106-93-4	H1
Dibromomethane	**<28.3**	ug/kg	69.3	28.3	1	06/23/26 09:50	06/24/26 01:52	74-95-3	H1
1,2-Dichlorobenzene	**<20.2**	ug/kg	69.3	20.2	1	06/23/26 09:50	06/24/26 01:52	95-50-1	H1
1,3-Dichlorobenzene	**<18.6**	ug/kg	69.3	18.6	1	06/23/26 09:50	06/24/26 01:52	541-73-1	H1
1,4-Dichlorobenzene	**<18.3**	ug/kg	69.3	18.3	1	06/23/26 09:50	06/24/26 01:52	106-46-7	H1
Dichlorodifluoromethane	**<37.0**	ug/kg	277	37.0	1	06/23/26 09:50	06/24/26 01:52	75-71-8	H1
1,1-Dichloroethane	**<19.1**	ug/kg	69.3	19.1	1	06/23/26 09:50	06/24/26 01:52	75-34-3	H1

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP23-2_2-2.5 **Lab ID: 10777154020** Collected: 06/09/26 13:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<19.3**	ug/kg	69.3	19.3	1	06/23/26 09:50	06/24/26 01:52	107-06-2	H1
1,1-Dichloroethene	**<18.4**	ug/kg	69.3	18.4	1	06/23/26 09:50	06/24/26 01:52	75-35-4	H1
cis-1,2-Dichloroethene	**<20.9**	ug/kg	69.3	20.9	1	06/23/26 09:50	06/24/26 01:52	156-59-2	H1
trans-1,2-Dichloroethene	**<18.4**	ug/kg	69.3	18.4	1	06/23/26 09:50	06/24/26 01:52	156-60-5	H1
Dichlorofluoromethane	**<102**	ug/kg	693	102	1	06/23/26 09:50	06/24/26 01:52	75-43-4	H1
1,2-Dichloropropane	**<21.1**	ug/kg	69.3	21.1	1	06/23/26 09:50	06/24/26 01:52	78-87-5	H1
1,3-Dichloropropane	**<21.9**	ug/kg	69.3	21.9	1	06/23/26 09:50	06/24/26 01:52	142-28-9	H1
2,2-Dichloropropane	**<30.3**	ug/kg	277	30.3	1	06/23/26 09:50	06/24/26 01:52	594-20-7	H1
1,1-Dichloropropene	**<17.7**	ug/kg	69.3	17.7	1	06/23/26 09:50	06/24/26 01:52	563-58-6	H1
cis-1,3-Dichloropropene	**<23.5**	ug/kg	69.3	23.5	1	06/23/26 09:50	06/24/26 01:52	10061-01-5	H1
trans-1,3-Dichloropropene	**<21.6**	ug/kg	69.3	21.6	1	06/23/26 09:50	06/24/26 01:52	10061-02-6	H1
Diethyl ether (Ethyl ether)	**<47.8**	ug/kg	277	47.8	1	06/23/26 09:50	06/24/26 01:52	60-29-7	H1
Ethylbenzene	**49.8J**	ug/kg	69.3	23.3	1	06/23/26 09:50	06/24/26 01:52	100-41-4	H1
Hexachloro-1,3-butadiene	**<43.1**	ug/kg	346	43.1	1	06/23/26 09:50	06/24/26 01:52	87-68-3	H1
Isopropylbenzene (Cumene)	**21.7J**	ug/kg	69.3	17.3	1	06/23/26 09:50	06/24/26 01:52	98-82-8	H1
p-Isopropyltoluene	**<18.1**	ug/kg	69.3	18.1	1	06/23/26 09:50	06/24/26 01:52	99-87-6	H1
Methylene Chloride	**<138**	ug/kg	277	138	1	06/23/26 09:50	06/24/26 01:52	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	**<134**	ug/kg	346	134	1	06/23/26 09:50	06/24/26 01:52	108-10-1	H1
Methyl-tert-butyl ether	**<20.2**	ug/kg	69.3	20.2	1	06/23/26 09:50	06/24/26 01:52	1634-04-4	H1
Naphthalene	**182J**	ug/kg	277	27.7	1	06/23/26 09:50	06/24/26 01:52	91-20-3	H1
n-Propylbenzene	**28.8J**	ug/kg	69.3	17.3	1	06/23/26 09:50	06/24/26 01:52	103-65-1	H1
Styrene	**<22.3**	ug/kg	69.3	22.3	1	06/23/26 09:50	06/24/26 01:52	100-42-5	H1
1,1,1,2-Tetrachloroethane	**<23.4**	ug/kg	69.3	23.4	1	06/23/26 09:50	06/24/26 01:52	630-20-6	H1
1,1,2,2-Tetrachloroethane	**<17.9**	ug/kg	69.3	17.9	1	06/23/26 09:50	06/24/26 01:52	79-34-5	H1
Tetrachloroethene	**<24.1**	ug/kg	69.3	24.1	1	06/23/26 09:50	06/24/26 01:52	127-18-4	H1
Tetrahydrofuran	**<518**	ug/kg	2770	518	1	06/23/26 09:50	06/24/26 01:52	109-99-9	H1
Toluene	**160**	ug/kg	69.3	27.7	1	06/23/26 09:50	06/24/26 01:52	108-88-3	H1
1,2,3-Trichlorobenzene	**<21.6**	ug/kg	69.3	21.6	1	06/23/26 09:50	06/24/26 01:52	87-61-6	H1
1,2,4-Trichlorobenzene	**<22.4**	ug/kg	69.3	22.4	1	06/23/26 09:50	06/24/26 01:52	120-82-1	H1
1,1,1-Trichloroethane	**<21.7**	ug/kg	69.3	21.7	1	06/23/26 09:50	06/24/26 01:52	71-55-6	H1
1,1,2-Trichloroethane	**<20.9**	ug/kg	69.3	20.9	1	06/23/26 09:50	06/24/26 01:52	79-00-5	H1
Trichloroethene	**<18.7**	ug/kg	69.3	18.7	1	06/23/26 09:50	06/24/26 01:52	79-01-6	H1
Trichlorofluoromethane	**<81.3**	ug/kg	277	81.3	1	06/23/26 09:50	06/24/26 01:52	75-69-4	H1
1,2,3-Trichloropropane	**<24.1**	ug/kg	277	24.1	1	06/23/26 09:50	06/24/26 01:52	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**<28.1**	ug/kg	277	28.1	1	06/23/26 09:50	06/24/26 01:52	76-13-1	H1
1,2,4-Trimethylbenzene	**98.8**	ug/kg	69.3	20.1	1	06/23/26 09:50	06/24/26 01:52	95-63-6	H1
1,3,5-Trimethylbenzene	**23.8J**	ug/kg	69.3	19.4	1	06/23/26 09:50	06/24/26 01:52	108-67-8	H1
Vinyl chloride	**<12.8**	ug/kg	27.7	12.8	1	06/23/26 09:50	06/24/26 01:52	75-01-4	H1
Xylene (Total)	**331**	ug/kg	208	39.3	1	06/23/26 09:50	06/24/26 01:52	1330-20-7	H1
m&p-Xylene	**197**	ug/kg	139	39.3	1	06/23/26 09:50	06/24/26 01:52	179601-23-1	H1
o-Xylene	**134**	ug/kg	69.3	21.6	1	06/23/26 09:50	06/24/26 01:52	95-47-6	H1
Surrogates									
Toluene-d8 (S)	100	%.	75-125		1	06/23/26 09:50	06/24/26 01:52	2037-26-5	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP23-2_2-2.5 **Lab ID: 10777154020** Collected: 06/09/26 13:00 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Surrogates									
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/23/26 09:50	06/24/26 01:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125		1	06/23/26 09:50	06/24/26 01:52	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP31-1_1.5-2.5 **Lab ID: 10777154025** Collected: 06/10/26 11:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
PCB-1016 (Aroclor 1016)	**<13.1**	ug/kg	52.9	13.1	1	06/16/26 18:11	06/17/26 16:45	12674-11-2	
PCB-1221 (Aroclor 1221)	**<14.5**	ug/kg	52.9	14.5	1	06/16/26 18:11	06/17/26 16:45	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.0**	ug/kg	52.9	17.0	1	06/16/26 18:11	06/17/26 16:45	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.4**	ug/kg	52.9	19.4	1	06/16/26 18:11	06/17/26 16:45	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.1**	ug/kg	52.9	16.1	1	06/16/26 18:11	06/17/26 16:45	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.9**	ug/kg	52.9	17.9	1	06/16/26 18:11	06/17/26 16:45	11097-69-1	
PCB-1260 (Aroclor 1260)	**<15.6**	ug/kg	52.9	15.6	1	06/16/26 18:11	06/17/26 16:45	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	126	%.	30-125		1	06/16/26 18:11	06/17/26 16:45	877-09-8	S3
Decachlorobiphenyl (S)	123	%.	30-125		1	06/16/26 18:11	06/17/26 16:45	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Minneapolis								
WDRO C10-C28	**<2.2**	mg/kg	7.9	2.2	1	06/16/26 18:13	06/19/26 01:49		
Surrogates									
n-Triacontane (S)	95	%.	50-150		1	06/16/26 18:13	06/19/26 01:49		CH
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.8**	mg/kg	11.5	2.8	1	06/25/26 13:14	06/26/26 18:47		
Surrogates									
a,a,a-Trifluorotoluene (S)	92	%.	80-200		1	06/25/26 13:14	06/26/26 18:47	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.1**	mg/kg	1.0	0.17	1	06/23/26 13:27	06/24/26 15:42	7440-38-2	
Barium	**19.5**	mg/kg	0.52	0.078	1	06/23/26 13:27	06/24/26 15:42	7440-39-3	
Cadmium	**0.22**	mg/kg	0.16	0.037	1	06/23/26 13:27	06/24/26 15:42	7440-43-9	
Chromium	**3.0**	mg/kg	0.52	0.16	1	06/23/26 13:27	06/24/26 15:42	7440-47-3	
Lead	**2.5**	mg/kg	0.52	0.24	1	06/23/26 13:27	06/24/26 15:42	7439-92-1	
Selenium	**0.49J**	mg/kg	1.0	0.46	1	06/23/26 13:27	06/24/26 15:42	7782-49-2	
Silver	**<0.042**	mg/kg	0.52	0.042	1	06/23/26 13:27	06/24/26 15:42	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.012J**	mg/kg	0.019	0.0082	1	06/23/26 14:32	06/24/26 10:10	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**7.4**	%	0.10	0.10	1		06/24/26 15:04		N2

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP31-1_1.5-2.5 **Lab ID: 10777154025** Collected: 06/10/26 11:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis								
Acenaphthene	**<1.2**	ug/kg	10.6	1.2	1	06/16/26 15:01	06/17/26 09:57	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	10.6	1.9	1	06/16/26 15:01	06/17/26 09:57	208-96-8	
Anthracene	**<1.2**	ug/kg	10.6	1.2	1	06/16/26 15:01	06/17/26 09:57	120-12-7	
Benzo(a)anthracene	**<1.9**	ug/kg	10.6	1.9	1	06/16/26 15:01	06/17/26 09:57	56-55-3	
Benzo(a)pyrene	**<1.8**	ug/kg	10.6	1.8	1	06/16/26 15:01	06/17/26 09:57	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	10.6	2.4	1	06/16/26 15:01	06/17/26 09:57	205-99-2	
Benzo(g,h,i)perylene	**<2.4**	ug/kg	10.6	2.4	1	06/16/26 15:01	06/17/26 09:57	191-24-2	
Benzo(k)fluoranthene	**<1.4**	ug/kg	10.6	1.4	1	06/16/26 15:01	06/17/26 09:57	207-08-9	
Chrysene	**<1.4**	ug/kg	10.6	1.4	1	06/16/26 15:01	06/17/26 09:57	218-01-9	
Dibenz(a,h)anthracene	**<1.5**	ug/kg	10.6	1.5	1	06/16/26 15:01	06/17/26 09:57	53-70-3	
Fluoranthene	**<2.8**	ug/kg	10.6	2.8	1	06/16/26 15:01	06/17/26 09:57	206-44-0	
Fluorene	**<1.2**	ug/kg	10.6	1.2	1	06/16/26 15:01	06/17/26 09:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.1**	ug/kg	10.6	2.1	1	06/16/26 15:01	06/17/26 09:57	193-39-5	
Naphthalene	**<3.8**	ug/kg	10.6	3.8	1	06/16/26 15:01	06/17/26 09:57	91-20-3	
Phenanthrene	**<2.3**	ug/kg	10.6	2.3	1	06/16/26 15:01	06/17/26 09:57	85-01-8	
Pyrene	**<2.2**	ug/kg	10.6	2.2	1	06/16/26 15:01	06/17/26 09:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	81	%.	61-125		1	06/16/26 15:01	06/17/26 09:57	321-60-8	
p-Terphenyl-d14 (S)	79	%.	61-125		1	06/16/26 15:01	06/17/26 09:57	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<321**	ug/kg	1000	321	1	06/24/26 11:06	06/24/26 19:52	67-64-1	
Allyl chloride	**<88.2**	ug/kg	200	88.2	1	06/24/26 11:06	06/24/26 19:52	107-05-1	
Benzene	**<6.7**	ug/kg	20.0	6.7	1	06/24/26 11:06	06/24/26 19:52	71-43-2	
Bromobenzene	**<17.3**	ug/kg	50.0	17.3	1	06/24/26 11:06	06/24/26 19:52	108-86-1	
Bromochloromethane	**<15.8**	ug/kg	50.0	15.8	1	06/24/26 11:06	06/24/26 19:52	74-97-5	
Bromodichloromethane	**<20.4**	ug/kg	50.0	20.4	1	06/24/26 11:06	06/24/26 19:52	75-27-4	
Bromoform	**<95.5**	ug/kg	200	95.5	1	06/24/26 11:06	06/24/26 19:52	75-25-2	
Bromomethane	**<174**	ug/kg	500	174	1	06/24/26 11:06	06/24/26 19:52	74-83-9	
2-Butanone (MEK)	**<117**	ug/kg	250	117	1	06/24/26 11:06	06/24/26 19:52	78-93-3	
n-Butylbenzene	**<17.5**	ug/kg	50.0	17.5	1	06/24/26 11:06	06/24/26 19:52	104-51-8	
sec-Butylbenzene	**<12.9**	ug/kg	50.0	12.9	1	06/24/26 11:06	06/24/26 19:52	135-98-8	
tert-Butylbenzene	**<14.7**	ug/kg	50.0	14.7	1	06/24/26 11:06	06/24/26 19:52	98-06-6	
Carbon tetrachloride	**<18.3**	ug/kg	50.0	18.3	1	06/24/26 11:06	06/24/26 19:52	56-23-5	
Chlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/24/26 11:06	06/24/26 19:52	108-90-7	
Chloroethane	**<138**	ug/kg	500	138	1	06/24/26 11:06	06/24/26 19:52	75-00-3	
Chloroform	**<19.3**	ug/kg	50.0	19.3	1	06/24/26 11:06	06/24/26 19:52	67-66-3	
Chloromethane	**<30.8**	ug/kg	200	30.8	1	06/24/26 11:06	06/24/26 19:52	74-87-3	
2-Chlorotoluene	**<14.2**	ug/kg	50.0	14.2	1	06/24/26 11:06	06/24/26 19:52	95-49-8	
4-Chlorotoluene	**<14.9**	ug/kg	50.0	14.9	1	06/24/26 11:06	06/24/26 19:52	106-43-4	
1,2-Dibromo-3-chloropropane	**<83.3**	ug/kg	500	83.3	1	06/24/26 11:06	06/24/26 19:52	96-12-8	
Dibromochloromethane	**<49.5**	ug/kg	200	49.5	1	06/24/26 11:06	06/24/26 19:52	124-48-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP31-1_1.5-2.5 **Lab ID: 10777154025** Collected: 06/10/26 11:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,2-Dibromoethane (EDB)	**<16.0**	ug/kg	50.0	16.0	1	06/24/26 11:06	06/24/26 19:52	106-93-4	
Dibromomethane	**<20.4**	ug/kg	50.0	20.4	1	06/24/26 11:06	06/24/26 19:52	74-95-3	
1,2-Dichlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/24/26 11:06	06/24/26 19:52	95-50-1	
1,3-Dichlorobenzene	**<13.4**	ug/kg	50.0	13.4	1	06/24/26 11:06	06/24/26 19:52	541-73-1	
1,4-Dichlorobenzene	**<13.2**	ug/kg	50.0	13.2	1	06/24/26 11:06	06/24/26 19:52	106-46-7	
Dichlorodifluoromethane	**<26.7**	ug/kg	200	26.7	1	06/24/26 11:06	06/24/26 19:52	75-71-8	
1,1-Dichloroethane	**<13.8**	ug/kg	50.0	13.8	1	06/24/26 11:06	06/24/26 19:52	75-34-3	
1,2-Dichloroethane	**<13.9**	ug/kg	50.0	13.9	1	06/24/26 11:06	06/24/26 19:52	107-06-2	
1,1-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/24/26 11:06	06/24/26 19:52	75-35-4	
cis-1,2-Dichloroethene	**<15.1**	ug/kg	50.0	15.1	1	06/24/26 11:06	06/24/26 19:52	156-59-2	
trans-1,2-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/24/26 11:06	06/24/26 19:52	156-60-5	
Dichlorofluoromethane	**<73.4**	ug/kg	500	73.4	1	06/24/26 11:06	06/24/26 19:52	75-43-4	
1,2-Dichloropropane	**<15.2**	ug/kg	50.0	15.2	1	06/24/26 11:06	06/24/26 19:52	78-87-5	
1,3-Dichloropropane	**<15.8**	ug/kg	50.0	15.8	1	06/24/26 11:06	06/24/26 19:52	142-28-9	
2,2-Dichloropropane	**<21.9**	ug/kg	200	21.9	1	06/24/26 11:06	06/24/26 19:52	594-20-7	
1,1-Dichloropropene	**<12.8**	ug/kg	50.0	12.8	1	06/24/26 11:06	06/24/26 19:52	563-58-6	
cis-1,3-Dichloropropene	**<17.0**	ug/kg	50.0	17.0	1	06/24/26 11:06	06/24/26 19:52	10061-01-5	
trans-1,3-Dichloropropene	**<15.6**	ug/kg	50.0	15.6	1	06/24/26 11:06	06/24/26 19:52	10061-02-6	
Diethyl ether (Ethyl ether)	**<34.5**	ug/kg	200	34.5	1	06/24/26 11:06	06/24/26 19:52	60-29-7	
Ethylbenzene	**<16.8**	ug/kg	50.0	16.8	1	06/24/26 11:06	06/24/26 19:52	100-41-4	
Hexachloro-1,3-butadiene	**<31.1**	ug/kg	250	31.1	1	06/24/26 11:06	06/24/26 19:52	87-68-3	
Isopropylbenzene (Cumene)	**<12.5**	ug/kg	50.0	12.5	1	06/24/26 11:06	06/24/26 19:52	98-82-8	
p-Isopropyltoluene	**<13.1**	ug/kg	50.0	13.1	1	06/24/26 11:06	06/24/26 19:52	99-87-6	
Methylene Chloride	**<99.3**	ug/kg	200	99.3	1	06/24/26 11:06	06/24/26 19:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<96.6**	ug/kg	250	96.6	1	06/24/26 11:06	06/24/26 19:52	108-10-1	
Methyl-tert-butyl ether	**<14.6**	ug/kg	50.0	14.6	1	06/24/26 11:06	06/24/26 19:52	1634-04-4	
Naphthalene	**<20.0**	ug/kg	200	20.0	1	06/24/26 11:06	06/24/26 19:52	91-20-3	
n-Propylbenzene	**<12.5**	ug/kg	50.0	12.5	1	06/24/26 11:06	06/24/26 19:52	103-65-1	
Styrene	**<16.1**	ug/kg	50.0	16.1	1	06/24/26 11:06	06/24/26 19:52	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.9**	ug/kg	50.0	16.9	1	06/24/26 11:06	06/24/26 19:52	630-20-6	
1,1,2,2-Tetrachloroethane	**<12.9**	ug/kg	50.0	12.9	1	06/24/26 11:06	06/24/26 19:52	79-34-5	
Tetrachloroethene	**<17.4**	ug/kg	50.0	17.4	1	06/24/26 11:06	06/24/26 19:52	127-18-4	
Tetrahydrofuran	**<374**	ug/kg	2000	374	1	06/24/26 11:06	06/24/26 19:52	109-99-9	
Toluene	**<20.0**	ug/kg	50.0	20.0	1	06/24/26 11:06	06/24/26 19:52	108-88-3	
1,2,3-Trichlorobenzene	**<15.6**	ug/kg	50.0	15.6	1	06/24/26 11:06	06/24/26 19:52	87-61-6	
1,2,4-Trichlorobenzene	**<16.2**	ug/kg	50.0	16.2	1	06/24/26 11:06	06/24/26 19:52	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	50.0	15.7	1	06/24/26 11:06	06/24/26 19:52	71-55-6	
1,1,2-Trichloroethane	**<15.1**	ug/kg	50.0	15.1	1	06/24/26 11:06	06/24/26 19:52	79-00-5	
Trichloroethene	**<13.5**	ug/kg	50.0	13.5	1	06/24/26 11:06	06/24/26 19:52	79-01-6	
Trichlorofluoromethane	**<58.7**	ug/kg	200	58.7	1	06/24/26 11:06	06/24/26 19:52	75-69-4	
1,2,3-Trichloropropane	**<17.4**	ug/kg	200	17.4	1	06/24/26 11:06	06/24/26 19:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<20.3**	ug/kg	200	20.3	1	06/24/26 11:06	06/24/26 19:52	76-13-1	
1,2,4-Trimethylbenzene	**<14.5**	ug/kg	50.0	14.5	1	06/24/26 11:06	06/24/26 19:52	95-63-6	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: D-TP31-1_1.5-2.5 **Lab ID: 10777154025** Collected: 06/10/26 11:25 Received: 06/11/26 10:50 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
1,3,5-Trimethylbenzene	**<14.0**	ug/kg	50.0	14.0	1	06/24/26 11:06	06/24/26 19:52	108-67-8	
Vinyl chloride	**<9.2**	ug/kg	20.0	9.2	1	06/24/26 11:06	06/24/26 19:52	75-01-4	
Xylene (Total)	**<28.4**	ug/kg	150	28.4	1	06/24/26 11:06	06/24/26 19:52	1330-20-7	
m&p-Xylene	**<28.4**	ug/kg	100	28.4	1	06/24/26 11:06	06/24/26 19:52	179601-23-1	
o-Xylene	**<15.6**	ug/kg	50.0	15.6	1	06/24/26 11:06	06/24/26 19:52	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/24/26 11:06	06/24/26 19:52	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	06/24/26 11:06	06/24/26 19:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%.	75-125		1	06/24/26 11:06	06/24/26 19:52	2199-69-1	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: Trip Blank-01 **Lab ID: 10777154026** Collected: 06/08/26 14:35 Received: 06/11/26 10:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil Pace Analytical Services - Minneapolis								
Gasoline Range Organics	**<2.4**	mg/kg	10.0	2.4	1	06/25/26 13:14	06/26/26 19:08		
Surrogates									
a,a,a-Trifluorotoluene (S)	94	%.	80-200		1	06/25/26 13:14	06/26/26 19:08	98-08-8	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
Acetone	**<321**	ug/kg	1000	321	1	06/22/26 13:51	06/22/26 21:05	67-64-1	
Allyl chloride	**<88.2**	ug/kg	200	88.2	1	06/22/26 13:51	06/22/26 21:05	107-05-1	
Benzene	**<6.7**	ug/kg	20.0	6.7	1	06/22/26 13:51	06/22/26 21:05	71-43-2	
Bromobenzene	**<17.3**	ug/kg	50.0	17.3	1	06/22/26 13:51	06/22/26 21:05	108-86-1	
Bromochloromethane	**<15.8**	ug/kg	50.0	15.8	1	06/22/26 13:51	06/22/26 21:05	74-97-5	
Bromodichloromethane	**<20.4**	ug/kg	50.0	20.4	1	06/22/26 13:51	06/22/26 21:05	75-27-4	
Bromoform	**<95.5**	ug/kg	200	95.5	1	06/22/26 13:51	06/22/26 21:05	75-25-2	
Bromomethane	**<174**	ug/kg	500	174	1	06/22/26 13:51	06/22/26 21:05	74-83-9	
2-Butanone (MEK)	**<117**	ug/kg	250	117	1	06/22/26 13:51	06/22/26 21:05	78-93-3	
n-Butylbenzene	**<17.5**	ug/kg	50.0	17.5	1	06/22/26 13:51	06/22/26 21:05	104-51-8	
sec-Butylbenzene	**<12.9**	ug/kg	50.0	12.9	1	06/22/26 13:51	06/22/26 21:05	135-98-8	
tert-Butylbenzene	**<14.7**	ug/kg	50.0	14.7	1	06/22/26 13:51	06/22/26 21:05	98-06-6	
Carbon tetrachloride	**<18.3**	ug/kg	50.0	18.3	1	06/22/26 13:51	06/22/26 21:05	56-23-5	
Chlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/22/26 13:51	06/22/26 21:05	108-90-7	
Chloroethane	**<138**	ug/kg	500	138	1	06/22/26 13:51	06/22/26 21:05	75-00-3	
Chloroform	**<19.3**	ug/kg	50.0	19.3	1	06/22/26 13:51	06/22/26 21:05	67-66-3	v1
Chloromethane	**<30.8**	ug/kg	200	30.8	1	06/22/26 13:51	06/22/26 21:05	74-87-3	
2-Chlorotoluene	**<14.2**	ug/kg	50.0	14.2	1	06/22/26 13:51	06/22/26 21:05	95-49-8	
4-Chlorotoluene	**<14.9**	ug/kg	50.0	14.9	1	06/22/26 13:51	06/22/26 21:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<83.3**	ug/kg	500	83.3	1	06/22/26 13:51	06/22/26 21:05	96-12-8	
Dibromochloromethane	**<49.5**	ug/kg	200	49.5	1	06/22/26 13:51	06/22/26 21:05	124-48-1	
1,2-Dibromoethane (EDB)	**<16.0**	ug/kg	50.0	16.0	1	06/22/26 13:51	06/22/26 21:05	106-93-4	
Dibromomethane	**<20.4**	ug/kg	50.0	20.4	1	06/22/26 13:51	06/22/26 21:05	74-95-3	
1,2-Dichlorobenzene	**<14.6**	ug/kg	50.0	14.6	1	06/22/26 13:51	06/22/26 21:05	95-50-1	
1,3-Dichlorobenzene	**<13.4**	ug/kg	50.0	13.4	1	06/22/26 13:51	06/22/26 21:05	541-73-1	
1,4-Dichlorobenzene	**<13.2**	ug/kg	50.0	13.2	1	06/22/26 13:51	06/22/26 21:05	106-46-7	
Dichlorodifluoromethane	**<26.7**	ug/kg	200	26.7	1	06/22/26 13:51	06/22/26 21:05	75-71-8	v1
1,1-Dichloroethane	**<13.8**	ug/kg	50.0	13.8	1	06/22/26 13:51	06/22/26 21:05	75-34-3	L1,v1
1,2-Dichloroethane	**<13.9**	ug/kg	50.0	13.9	1	06/22/26 13:51	06/22/26 21:05	107-06-2	
1,1-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/22/26 13:51	06/22/26 21:05	75-35-4	
cis-1,2-Dichloroethene	**<15.1**	ug/kg	50.0	15.1	1	06/22/26 13:51	06/22/26 21:05	156-59-2	L1
trans-1,2-Dichloroethene	**<13.3**	ug/kg	50.0	13.3	1	06/22/26 13:51	06/22/26 21:05	156-60-5	L1,v1
Dichlorofluoromethane	**<73.4**	ug/kg	500	73.4	1	06/22/26 13:51	06/22/26 21:05	75-43-4	L1,v1
1,2-Dichloropropane	**<15.2**	ug/kg	50.0	15.2	1	06/22/26 13:51	06/22/26 21:05	78-87-5	
1,3-Dichloropropane	**<15.8**	ug/kg	50.0	15.8	1	06/22/26 13:51	06/22/26 21:05	142-28-9	
2,2-Dichloropropane	**<21.9**	ug/kg	200	21.9	1	06/22/26 13:51	06/22/26 21:05	594-20-7	v1
1,1-Dichloropropene	**<12.8**	ug/kg	50.0	12.8	1	06/22/26 13:51	06/22/26 21:05	563-58-6	
cis-1,3-Dichloropropene	**<17.0**	ug/kg	50.0	17.0	1	06/22/26 13:51	06/22/26 21:05	10061-01-5	

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ANALYTICAL RESULTS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Sample: Trip Blank-01 **Lab ID: 10777154026** Collected: 06/08/26 14:35 Received: 06/11/26 10:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis								
trans-1,3-Dichloropropene	**<15.6**	ug/kg	50.0	15.6	1	06/22/26 13:51	06/22/26 21:05	10061-02-6	
Diethyl ether (Ethyl ether)	**<34.5**	ug/kg	200	34.5	1	06/22/26 13:51	06/22/26 21:05	60-29-7	
Ethylbenzene	**<16.8**	ug/kg	50.0	16.8	1	06/22/26 13:51	06/22/26 21:05	100-41-4	
Hexachloro-1,3-butadiene	**<31.1**	ug/kg	250	31.1	1	06/22/26 13:51	06/22/26 21:05	87-68-3	
Isopropylbenzene (Cumene)	**<12.5**	ug/kg	50.0	12.5	1	06/22/26 13:51	06/22/26 21:05	98-82-8	
p-Isopropyltoluene	**<13.1**	ug/kg	50.0	13.1	1	06/22/26 13:51	06/22/26 21:05	99-87-6	
Methylene Chloride	**<99.3**	ug/kg	200	99.3	1	06/22/26 13:51	06/22/26 21:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<96.6**	ug/kg	250	96.6	1	06/22/26 13:51	06/22/26 21:05	108-10-1	
Methyl-tert-butyl ether	**<14.6**	ug/kg	50.0	14.6	1	06/22/26 13:51	06/22/26 21:05	1634-04-4	v1
Naphthalene	**<20.0**	ug/kg	200	20.0	1	06/22/26 13:51	06/22/26 21:05	91-20-3	
n-Propylbenzene	**<12.5**	ug/kg	50.0	12.5	1	06/22/26 13:51	06/22/26 21:05	103-65-1	
Styrene	**<16.1**	ug/kg	50.0	16.1	1	06/22/26 13:51	06/22/26 21:05	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.9**	ug/kg	50.0	16.9	1	06/22/26 13:51	06/22/26 21:05	630-20-6	
1,1,2,2-Tetrachloroethane	**<12.9**	ug/kg	50.0	12.9	1	06/22/26 13:51	06/22/26 21:05	79-34-5	
Tetrachloroethene	**<17.4**	ug/kg	50.0	17.4	1	06/22/26 13:51	06/22/26 21:05	127-18-4	
Tetrahydrofuran	**<374**	ug/kg	2000	374	1	06/22/26 13:51	06/22/26 21:05	109-99-9	L1,v1
Toluene	**<20.0**	ug/kg	50.0	20.0	1	06/22/26 13:51	06/22/26 21:05	108-88-3	L1
1,2,3-Trichlorobenzene	**<15.6**	ug/kg	50.0	15.6	1	06/22/26 13:51	06/22/26 21:05	87-61-6	
1,2,4-Trichlorobenzene	**<16.2**	ug/kg	50.0	16.2	1	06/22/26 13:51	06/22/26 21:05	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	50.0	15.7	1	06/22/26 13:51	06/22/26 21:05	71-55-6	v1
1,1,2-Trichloroethane	**<15.1**	ug/kg	50.0	15.1	1	06/22/26 13:51	06/22/26 21:05	79-00-5	
Trichloroethene	**<13.5**	ug/kg	50.0	13.5	1	06/22/26 13:51	06/22/26 21:05	79-01-6	
Trichlorofluoromethane	**<58.7**	ug/kg	200	58.7	1	06/22/26 13:51	06/22/26 21:05	75-69-4	v1
1,2,3-Trichloropropane	**<17.4**	ug/kg	200	17.4	1	06/22/26 13:51	06/22/26 21:05	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<20.3**	ug/kg	200	20.3	1	06/22/26 13:51	06/22/26 21:05	76-13-1	
1,2,4-Trimethylbenzene	**<14.5**	ug/kg	50.0	14.5	1	06/22/26 13:51	06/22/26 21:05	95-63-6	
1,3,5-Trimethylbenzene	**<14.0**	ug/kg	50.0	14.0	1	06/22/26 13:51	06/22/26 21:05	108-67-8	
Vinyl chloride	**<9.2**	ug/kg	20.0	9.2	1	06/22/26 13:51	06/22/26 21:05	75-01-4	
Xylene (Total)	**<28.4**	ug/kg	150	28.4	1	06/22/26 13:51	06/22/26 21:05	1330-20-7	
m&p-Xylene	**<28.4**	ug/kg	100	28.4	1	06/22/26 13:51	06/22/26 21:05	179601-23-1	
o-Xylene	**<15.6**	ug/kg	50.0	15.6	1	06/22/26 13:51	06/22/26 21:05	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%.	75-125		1	06/22/26 13:51	06/22/26 21:05	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	75-125		1	06/22/26 13:51	06/22/26 21:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125		1	06/22/26 13:51	06/22/26 21:05	2199-69-1	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch	1072135	Analysis Method:	WI MOD GRO
QC Batch Method:	EPA 5030 Medium Soil	Analysis Description:	WIGRO Solid GCV
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154001, 10777154002, 10777154004, 10777154006, 10777154007

METHOD BLANK: 5571972 Matrix: Solid

Associated Lab Samples: 10777154001, 10777154002, 10777154004, 10777154006, 10777154007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.4	10.0	2.4	06/26/26 07:54	
a,a,a-Trifluorotoluene (S)	%.	93	80-200		06/26/26 07:54	

LABORATORY CONTROL SAMPLE & LCSD: 5571973 5571974

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	47.6	46.6	95	93	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%.				92	98	80-200			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch	1072136	Analysis Method:	WI MOD GRO
QC Batch Method:	EPA 5030 Medium Soil	Analysis Description:	WIGRO Solid GCV
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154008, 10777154010, 10777154011, 10777154015, 10777154020, 10777154025, 10777154026

METHOD BLANK: 5571975 Matrix: Solid

Associated Lab Samples: 10777154008, 10777154010, 10777154011, 10777154015, 10777154020, 10777154025, 10777154026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.4	10.0	2.4	06/26/26 16:36	
a,a,a-Trifluorotoluene (S)	%.	91	80-200		06/26/26 16:36	

LABORATORY CONTROL SAMPLE & LCSD: 5571976 5571977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	49.7	49.6	99	99	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%.				96	96	80-200			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch: 1071108
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154001, 10777154002, 10777154003, 10777154005, 10777154007, 10777154008, 10777154009, 10777154015, 10777154019, 10777154025

METHOD BLANK: 5566558 Matrix: Solid

Associated Lab Samples: 10777154001, 10777154002, 10777154003, 10777154005, 10777154007, 10777154008, 10777154009, 10777154015, 10777154019, 10777154025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.0080	0.018	0.0080	06/24/26 09:29	

LABORATORY CONTROL SAMPLE: 5566559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.44	0.47	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5566560 5566561

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.040	0.45	0.46	0.50	0.50	102	98	80-120	1	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch: 1071101
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154001, 10777154002, 10777154003, 10777154005, 10777154007, 10777154008, 10777154009, 10777154015, 10777154019, 10777154025

METHOD BLANK: 5566500 Matrix: Solid

Associated Lab Samples: 10777154001, 10777154002, 10777154003, 10777154005, 10777154007, 10777154008, 10777154009, 10777154015, 10777154019, 10777154025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.16	0.96	0.16	06/24/26 14:37	
Barium	mg/kg	0.10J	0.48	0.071	06/24/26 14:37	
Cadmium	mg/kg	<0.034	0.14	0.034	06/24/26 14:37	
Chromium	mg/kg	<0.14	0.48	0.14	06/24/26 14:37	
Lead	mg/kg	<0.22	0.48	0.22	06/24/26 14:37	
Selenium	mg/kg	<0.42	0.96	0.42	06/24/26 14:37	
Silver	mg/kg	<0.038	0.48	0.038	06/24/26 14:37	

LABORATORY CONTROL SAMPLE: 5566501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	47.8	47.2	99	80-120	
Barium	mg/kg	47.8	50.9	106	80-120	
Cadmium	mg/kg	47.8	47.8	100	80-120	
Chromium	mg/kg	47.8	50.4	105	80-120	
Lead	mg/kg	47.8	47.7	100	80-120	
Selenium	mg/kg	47.8	43.8	91	80-120	
Silver	mg/kg	23.9	22.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5566502 5566503

Parameter	Units	10776910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	3.3	50.7	49.2	47.1	44.9	86	85	75-125	5	20	
Barium	mg/kg	33.5	50.7	49.2	89.9	79.8	111	94	75-125	12	20	
Cadmium	mg/kg	0.64	50.7	49.2	44.8	43.6	87	87	75-125	3	20	
Chromium	mg/kg	17.1	50.7	49.2	66.9	62.3	98	92	75-125	7	20	
Lead	mg/kg	27.4	50.7	49.2	64.9	63.1	74	73	75-125	3	20	M1
Selenium	mg/kg	0.76J	50.7	49.2	38.6	35.9	75	71	75-125	7	20	M1
Silver	mg/kg	1.4	25.4	24.7	23.5	23.5	87	90	75-125	0	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch	1071888	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight / %M by ASTM D2974
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154001, 10777154002, 10777154003, 10777154004, 10777154005, 10777154006, 10777154007, 10777154008, 10777154009, 10777154010, 10777154011, 10777154015, 10777154019, 10777154020, 10777154025

5

SAMPLE DUPLICATE: 5571199

Parameter	Units	10777153004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.0	9.0	0	30	N2

SAMPLE DUPLICATE: 5571200

Parameter	Units	10777154015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.0	14.7	25	30	N2

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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch	1071460	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260D MSV 5030 Med Level
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154010, 10777154026

METHOD BLANK: 5568555 Matrix: Solid

Associated Lab Samples: 10777154010, 10777154026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<16.9	50.0	16.9	06/22/26 20:49	
1,1,1-Trichloroethane	ug/kg	<15.7	50.0	15.7	06/22/26 20:49	v1
1,1,2,2-Tetrachloroethane	ug/kg	<12.9	50.0	12.9	06/22/26 20:49	
1,1,2-Trichloroethane	ug/kg	<15.1	50.0	15.1	06/22/26 20:49	
1,1,2-Trichlorotrifluoroethane	ug/kg	<20.3	200	20.3	06/22/26 20:49	
1,1-Dichloroethane	ug/kg	<13.8	50.0	13.8	06/22/26 20:49	v1
1,1-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/22/26 20:49	
1,1-Dichloropropene	ug/kg	<12.8	50.0	12.8	06/22/26 20:49	
1,2,3-Trichlorobenzene	ug/kg	<15.6	50.0	15.6	06/22/26 20:49	
1,2,3-Trichloropropane	ug/kg	<17.4	200	17.4	06/22/26 20:49	
1,2,4-Trichlorobenzene	ug/kg	<16.2	50.0	16.2	06/22/26 20:49	
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/22/26 20:49	
1,2-Dibromo-3-chloropropane	ug/kg	<83.3	500	83.3	06/22/26 20:49	
1,2-Dibromoethane (EDB)	ug/kg	<16.0	50.0	16.0	06/22/26 20:49	
1,2-Dichlorobenzene	ug/kg	<14.6	50.0	14.6	06/22/26 20:49	
1,2-Dichloroethane	ug/kg	<13.9	50.0	13.9	06/22/26 20:49	
1,2-Dichloropropane	ug/kg	<15.2	50.0	15.2	06/22/26 20:49	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/22/26 20:49	
1,3-Dichlorobenzene	ug/kg	<13.4	50.0	13.4	06/22/26 20:49	
1,3-Dichloropropane	ug/kg	<15.8	50.0	15.8	06/22/26 20:49	
1,4-Dichlorobenzene	ug/kg	<13.2	50.0	13.2	06/22/26 20:49	
2,2-Dichloropropane	ug/kg	<21.9	200	21.9	06/22/26 20:49	v1
2-Butanone (MEK)	ug/kg	<117	250	117	06/22/26 20:49	
2-Chlorotoluene	ug/kg	<14.2	50.0	14.2	06/22/26 20:49	
4-Chlorotoluene	ug/kg	<14.9	50.0	14.9	06/22/26 20:49	
4-Methyl-2-pentanone (MIBK)	ug/kg	<96.6	250	96.6	06/22/26 20:49	
Acetone	ug/kg	<321	1000	321	06/22/26 20:49	
Allyl chloride	ug/kg	<88.2	200	88.2	06/22/26 20:49	
Benzene	ug/kg	<6.7	20.0	6.7	06/22/26 20:49	
Bromobenzene	ug/kg	<17.3	50.0	17.3	06/22/26 20:49	
Bromochloromethane	ug/kg	<15.8	50.0	15.8	06/22/26 20:49	
Bromodichloromethane	ug/kg	<20.4	50.0	20.4	06/22/26 20:49	
Bromoform	ug/kg	<95.5	200	95.5	06/22/26 20:49	
Bromomethane	ug/kg	<174	500	174	06/22/26 20:49	
Carbon tetrachloride	ug/kg	<18.3	50.0	18.3	06/22/26 20:49	
Chlorobenzene	ug/kg	<14.6	50.0	14.6	06/22/26 20:49	
Chloroethane	ug/kg	<138	500	138	06/22/26 20:49	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

METHOD BLANK: 5568555 Matrix: Solid

Associated Lab Samples: 10777154010, 10777154026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	ug/kg	<19.3	50.0	19.3	06/22/26 20:49	v1
Chloromethane	ug/kg	<30.8	200	30.8	06/22/26 20:49	
cis-1,2-Dichloroethene	ug/kg	<15.1	50.0	15.1	06/22/26 20:49	
cis-1,3-Dichloropropene	ug/kg	<17.0	50.0	17.0	06/22/26 20:49	
Dibromochloromethane	ug/kg	<49.5	200	49.5	06/22/26 20:49	
Dibromomethane	ug/kg	<20.4	50.0	20.4	06/22/26 20:49	
Dichlorodifluoromethane	ug/kg	<26.7	200	26.7	06/22/26 20:49	v1
Dichlorofluoromethane	ug/kg	<73.4	500	73.4	06/22/26 20:49	v1
Diethyl ether (Ethyl ether)	ug/kg	<34.5	200	34.5	06/22/26 20:49	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/22/26 20:49	
Hexachloro-1,3-butadiene	ug/kg	<31.1	250	31.1	06/22/26 20:49	
Isopropylbenzene (Cumene)	ug/kg	<12.5	50.0	12.5	06/22/26 20:49	
m&p-Xylene	ug/kg	<28.4	100	28.4	06/22/26 20:49	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/22/26 20:49	v1
Methylene Chloride	ug/kg	<99.3	200	99.3	06/22/26 20:49	
n-Butylbenzene	ug/kg	<17.5	50.0	17.5	06/22/26 20:49	
n-Propylbenzene	ug/kg	<12.5	50.0	12.5	06/22/26 20:49	
Naphthalene	ug/kg	<20.0	200	20.0	06/22/26 20:49	
o-Xylene	ug/kg	<15.6	50.0	15.6	06/22/26 20:49	
p-Isopropyltoluene	ug/kg	<13.1	50.0	13.1	06/22/26 20:49	
sec-Butylbenzene	ug/kg	<12.9	50.0	12.9	06/22/26 20:49	
Styrene	ug/kg	<16.1	50.0	16.1	06/22/26 20:49	
tert-Butylbenzene	ug/kg	<14.7	50.0	14.7	06/22/26 20:49	
Tetrachloroethene	ug/kg	<17.4	50.0	17.4	06/22/26 20:49	
Tetrahydrofuran	ug/kg	<374	2000	374	06/22/26 20:49	v1
Toluene	ug/kg	<20.0	50.0	20.0	06/22/26 20:49	
trans-1,2-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/22/26 20:49	v1
trans-1,3-Dichloropropene	ug/kg	<15.6	50.0	15.6	06/22/26 20:49	
Trichloroethene	ug/kg	<13.5	50.0	13.5	06/22/26 20:49	
Trichlorofluoromethane	ug/kg	<58.7	200	58.7	06/22/26 20:49	v1
Vinyl chloride	ug/kg	<9.2	20.0	9.2	06/22/26 20:49	
Xylene (Total)	ug/kg	<28.4	150	28.4	06/22/26 20:49	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		06/22/26 20:49	
4-Bromofluorobenzene (S)	%.	109	75-125		06/22/26 20:49	
Toluene-d8 (S)	%.	104	75-125		06/22/26 20:49	

LABORATORY CONTROL SAMPLE & LCSD: 5568556 5568557

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1070	1120	107	112	69-133	5	20	
1,1,1-Trichloroethane	ug/kg	1000	1330	1320	133	132	75-135	1	20	1M,v1
1,1,2,2-Tetrachloroethane	ug/kg	1000	1080	1080	108	108	67-125	0	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE & LCSD:		5568556		5568557						
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/kg	1000	1060	1070	106	107	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1230	1220	123	122	73-140	0	20	
1,1-Dichloroethane	ug/kg	1000	1360	1340	136	134	75-129	1	20	L1,v1
1,1-Dichloroethene	ug/kg	1000	1220	1220	122	122	75-129	0	20	
1,1-Dichloropropene	ug/kg	1000	1260	1230	126	123	75-131	3	20	
1,2,3-Trichlorobenzene	ug/kg	1000	1080	1120	108	112	73-128	4	20	
1,2,3-Trichloropropane	ug/kg	1000	1060	1080	106	108	75-125	2	20	
1,2,4-Trichlorobenzene	ug/kg	1000	1090	1100	109	110	74-128	0	20	
1,2,4-Trimethylbenzene	ug/kg	1000	1150	1140	115	114	75-125	0	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	934	1040	93	104	62-128	11	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	1070	1080	107	108	75-125	1	20	
1,2-Dichlorobenzene	ug/kg	1000	1060	1090	106	109	72-125	3	20	
1,2-Dichloroethane	ug/kg	1000	1290	1290	129	129	75-133	0	20	
1,2-Dichloropropane	ug/kg	1000	1290	1280	129	128	75-132	0	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1120	1150	112	115	75-125	2	20	
1,3-Dichlorobenzene	ug/kg	1000	1100	1130	110	113	75-125	3	20	
1,3-Dichloropropane	ug/kg	1000	1160	1180	116	118	75-125	1	20	
1,4-Dichlorobenzene	ug/kg	1000	1090	1110	109	111	75-125	1	20	
2,2-Dichloropropane	ug/kg	1000	1240	1230	124	123	66-134	1	20	v1
2-Butanone (MEK)	ug/kg	5000	6720	6620	134	132	65-138	1	20	1M
2-Chlorotoluene	ug/kg	1000	1130	1150	113	115	75-125	2	20	
4-Chlorotoluene	ug/kg	1000	1140	1140	114	114	75-128	0	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	5950	5830	119	117	75-130	2	20	
Acetone	ug/kg	5000	6400	6240	128	125	68-136	3	20	
Allyl chloride	ug/kg	1000	1260	1180	126	118	75-130	6	20	
Benzene	ug/kg	1000	1310	1300	131	130	75-133	1	20	1M
Bromobenzene	ug/kg	1000	1150	1130	115	113	75-125	2	20	
Bromochloromethane	ug/kg	1000	1230	1200	123	120	75-131	2	20	
Bromodichloromethane	ug/kg	1000	1170	1200	117	120	72-137	3	20	
Bromoform	ug/kg	1000	1030	1060	103	106	65-130	2	20	
Bromomethane	ug/kg	1000	1130	1110	113	111	48-150	2	20	
Carbon tetrachloride	ug/kg	1000	1200	1190	120	119	68-141	1	20	
Chlorobenzene	ug/kg	1000	1110	1090	111	109	75-125	2	20	
Chloroethane	ug/kg	1000	1280	1200	128	120	53-150	7	20	
Chloroform	ug/kg	1000	1300	1270	130	127	75-131	3	20	v1
Chloromethane	ug/kg	1000	1260	1230	126	123	72-137	2	20	
cis-1,2-Dichloroethene	ug/kg	1000	1300	1270	130	127	75-128	2	20	L1
cis-1,3-Dichloropropene	ug/kg	1000	1240	1240	124	124	75-127	0	20	
Dibromochloromethane	ug/kg	1000	970	1020	97	102	59-135	5	20	
Dibromomethane	ug/kg	1000	1230	1180	123	118	75-128	4	20	
Dichlorodifluoromethane	ug/kg	1000	1380	1310	138	131	63-150	5	20	1M,v1
Dichlorofluoromethane	ug/kg	1000	1380	1320	138	132	72-136	4	20	1M,L1,v1
Diethyl ether (Ethyl ether)	ug/kg	1000	1280	1260	128	126	75-131	2	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE & LCSD:		5568556			5568557					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/kg	1000	1150	1150	115	115	75-125	0	20	
Hexachloro-1,3-butadiene	ug/kg	1000	1060	1120	106	112	66-134	5	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1140	1140	114	114	75-125	1	20	
m&p-Xylene	ug/kg	2000	2240	2250	112	113	75-125	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1320	1330	132	133	75-133	1	20	1M,v1
Methylene Chloride	ug/kg	1000	1110	1080	111	108	75-125	3	20	
n-Butylbenzene	ug/kg	1000	1040	1070	104	107	71-127	3	20	
n-Propylbenzene	ug/kg	1000	1140	1140	114	114	75-125	0	20	
Naphthalene	ug/kg	1000	1150	1160	115	116	75-125	0	20	
o-Xylene	ug/kg	1000	1060	1060	106	106	75-125	0	20	
p-Isopropyltoluene	ug/kg	1000	1110	1140	111	114	75-125	3	20	
sec-Butylbenzene	ug/kg	1000	1120	1150	112	115	75-125	2	20	
Styrene	ug/kg	1000	1120	1120	112	112	75-125	0	20	
tert-Butylbenzene	ug/kg	1000	1130	1140	113	114	75-126	0	20	
Tetrachloroethene	ug/kg	1000	1020	1040	102	104	75-126	2	20	
Tetrahydrofuran	ug/kg	5000	6780	6390	136	128	71-135	6	20	L1,v1
Toluene	ug/kg	1000	1270	1260	127	126	75-125	1	20	L1
trans-1,2-Dichloroethene	ug/kg	1000	1320	1280	132	128	75-130	3	20	L1,v1
trans-1,3-Dichloropropene	ug/kg	1000	1120	1180	112	118	73-125	6	20	
Trichloroethene	ug/kg	1000	1260	1240	126	124	73-146	1	20	
Trichlorofluoromethane	ug/kg	1000	1330	1270	133	127	66-149	5	20	1M,v1
Vinyl chloride	ug/kg	1000	1160	1120	116	112	75-138	4	20	
Xylene (Total)	ug/kg	3000	3300	3320	110	111	75-125	1	20	
1,2-Dichlorobenzene-d4 (S)	%.				99	99	75-125			
4-Bromofluorobenzene (S)	%.				108	107	75-125			
Toluene-d8 (S)	%.				104	104	75-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch: 1071653
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 5030 Med Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154004, 10777154006, 10777154007, 10777154008, 10777154011, 10777154015, 10777154020

METHOD BLANK: 5569269 Matrix: Solid

Associated Lab Samples: 10777154004, 10777154006, 10777154007, 10777154008, 10777154011, 10777154015, 10777154020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<16.9	50.0	16.9	06/23/26 22:34	
1,1,1-Trichloroethane	ug/kg	<15.7	50.0	15.7	06/23/26 22:34	
1,1,2,2-Tetrachloroethane	ug/kg	<12.9	50.0	12.9	06/23/26 22:34	
1,1,2-Trichloroethane	ug/kg	<15.1	50.0	15.1	06/23/26 22:34	
1,1,2-Trichlorotrifluoroethane	ug/kg	<20.3	200	20.3	06/23/26 22:34	
1,1-Dichloroethane	ug/kg	<13.8	50.0	13.8	06/23/26 22:34	
1,1-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/23/26 22:34	
1,1-Dichloropropene	ug/kg	<12.8	50.0	12.8	06/23/26 22:34	
1,2,3-Trichlorobenzene	ug/kg	<15.6	50.0	15.6	06/23/26 22:34	
1,2,3-Trichloropropane	ug/kg	<17.4	200	17.4	06/23/26 22:34	
1,2,4-Trichlorobenzene	ug/kg	<16.2	50.0	16.2	06/23/26 22:34	
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/23/26 22:34	
1,2-Dibromo-3-chloropropane	ug/kg	<83.3	500	83.3	06/23/26 22:34	
1,2-Dibromoethane (EDB)	ug/kg	<16.0	50.0	16.0	06/23/26 22:34	
1,2-Dichlorobenzene	ug/kg	<14.6	50.0	14.6	06/23/26 22:34	
1,2-Dichloroethane	ug/kg	<13.9	50.0	13.9	06/23/26 22:34	
1,2-Dichloropropane	ug/kg	<15.2	50.0	15.2	06/23/26 22:34	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/23/26 22:34	
1,3-Dichlorobenzene	ug/kg	<13.4	50.0	13.4	06/23/26 22:34	
1,3-Dichloropropane	ug/kg	<15.8	50.0	15.8	06/23/26 22:34	
1,4-Dichlorobenzene	ug/kg	<13.2	50.0	13.2	06/23/26 22:34	
2,2-Dichloropropane	ug/kg	<21.9	200	21.9	06/23/26 22:34	
2-Butanone (MEK)	ug/kg	<117	250	117	06/23/26 22:34	
2-Chlorotoluene	ug/kg	<14.2	50.0	14.2	06/23/26 22:34	
4-Chlorotoluene	ug/kg	<14.9	50.0	14.9	06/23/26 22:34	
4-Methyl-2-pentanone (MIBK)	ug/kg	<96.6	250	96.6	06/23/26 22:34	
Acetone	ug/kg	<321	1000	321	06/23/26 22:34	
Allyl chloride	ug/kg	<88.2	200	88.2	06/23/26 22:34	
Benzene	ug/kg	<6.7	20.0	6.7	06/23/26 22:34	
Bromobenzene	ug/kg	<17.3	50.0	17.3	06/23/26 22:34	
Bromochloromethane	ug/kg	<15.8	50.0	15.8	06/23/26 22:34	
Bromodichloromethane	ug/kg	<20.4	50.0	20.4	06/23/26 22:34	
Bromoform	ug/kg	<95.5	200	95.5	06/23/26 22:34	
Bromomethane	ug/kg	<174	500	174	06/23/26 22:34	
Carbon tetrachloride	ug/kg	<18.3	50.0	18.3	06/23/26 22:34	
Chlorobenzene	ug/kg	<14.6	50.0	14.6	06/23/26 22:34	
Chloroethane	ug/kg	<138	500	138	06/23/26 22:34	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

METHOD BLANK: 5569269 Matrix: Solid

Associated Lab Samples: 10777154004, 10777154006, 10777154007, 10777154008, 10777154011, 10777154015, 10777154020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	ug/kg	<19.3	50.0	19.3	06/23/26 22:34	
Chloromethane	ug/kg	<30.8	200	30.8	06/23/26 22:34	
cis-1,2-Dichloroethene	ug/kg	<15.1	50.0	15.1	06/23/26 22:34	
cis-1,3-Dichloropropene	ug/kg	<17.0	50.0	17.0	06/23/26 22:34	
Dibromochloromethane	ug/kg	<49.5	200	49.5	06/23/26 22:34	
Dibromomethane	ug/kg	<20.4	50.0	20.4	06/23/26 22:34	
Dichlorodifluoromethane	ug/kg	<26.7	200	26.7	06/23/26 22:34	
Dichlorofluoromethane	ug/kg	<73.4	500	73.4	06/23/26 22:34	
Diethyl ether (Ethyl ether)	ug/kg	<34.5	200	34.5	06/23/26 22:34	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/23/26 22:34	
Hexachloro-1,3-butadiene	ug/kg	<31.1	250	31.1	06/23/26 22:34	
Isopropylbenzene (Cumene)	ug/kg	<12.5	50.0	12.5	06/23/26 22:34	
m&p-Xylene	ug/kg	<28.4	100	28.4	06/23/26 22:34	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/23/26 22:34	
Methylene Chloride	ug/kg	<99.3	200	99.3	06/23/26 22:34	
n-Butylbenzene	ug/kg	<17.5	50.0	17.5	06/23/26 22:34	
n-Propylbenzene	ug/kg	<12.5	50.0	12.5	06/23/26 22:34	
Naphthalene	ug/kg	<20.0	200	20.0	06/23/26 22:34	
o-Xylene	ug/kg	<15.6	50.0	15.6	06/23/26 22:34	
p-Isopropyltoluene	ug/kg	<13.1	50.0	13.1	06/23/26 22:34	
sec-Butylbenzene	ug/kg	<12.9	50.0	12.9	06/23/26 22:34	
Styrene	ug/kg	<16.1	50.0	16.1	06/23/26 22:34	
tert-Butylbenzene	ug/kg	<14.7	50.0	14.7	06/23/26 22:34	
Tetrachloroethene	ug/kg	<17.4	50.0	17.4	06/23/26 22:34	
Tetrahydrofuran	ug/kg	<374	2000	374	06/23/26 22:34	
Toluene	ug/kg	<20.0	50.0	20.0	06/23/26 22:34	
trans-1,2-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/23/26 22:34	
trans-1,3-Dichloropropene	ug/kg	<15.6	50.0	15.6	06/23/26 22:34	
Trichloroethene	ug/kg	<13.5	50.0	13.5	06/23/26 22:34	
Trichlorofluoromethane	ug/kg	<58.7	200	58.7	06/23/26 22:34	
Vinyl chloride	ug/kg	<9.2	20.0	9.2	06/23/26 22:34	
Xylene (Total)	ug/kg	<28.4	150	28.4	06/23/26 22:34	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125		06/23/26 22:34	
4-Bromofluorobenzene (S)	%.	100	75-125		06/23/26 22:34	
Toluene-d8 (S)	%.	98	75-125		06/23/26 22:34	

LABORATORY CONTROL SAMPLE & LCSD: 5569270 5569271

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1030	1080	103	108	69-133	5	20	
1,1,1-Trichloroethane	ug/kg	1000	1040	1080	104	108	75-135	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	947	960	95	96	67-125	1	20	

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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE & LCSD:		5569270			5569271					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/kg	1000	968	1010	97	101	75-125	5	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1040	1090	104	109	73-140	5	20	
1,1-Dichloroethane	ug/kg	1000	999	998	100	100	75-129	0	20	
1,1-Dichloroethene	ug/kg	1000	1010	1070	101	107	75-129	5	20	
1,1-Dichloropropene	ug/kg	1000	1040	1050	104	105	75-131	1	20	
1,2,3-Trichlorobenzene	ug/kg	1000	1010	996	101	100	73-128	1	20	
1,2,3-Trichloropropane	ug/kg	1000	1020	987	102	99	75-125	4	20	
1,2,4-Trichlorobenzene	ug/kg	1000	1030	1050	103	105	74-128	3	20	
1,2,4-Trimethylbenzene	ug/kg	1000	1030	1020	103	102	75-125	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	984	984	98	98	62-128	0	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	932	973	93	97	75-125	4	20	
1,2-Dichlorobenzene	ug/kg	1000	995	1010	99	101	72-125	1	20	
1,2-Dichloroethane	ug/kg	1000	1000	1010	100	101	75-133	0	20	
1,2-Dichloropropane	ug/kg	1000	1010	998	101	100	75-132	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1030	1010	103	101	75-125	2	20	
1,3-Dichlorobenzene	ug/kg	1000	1020	1020	102	102	75-125	1	20	
1,3-Dichloropropane	ug/kg	1000	985	1010	98	101	75-125	2	20	
1,4-Dichlorobenzene	ug/kg	1000	980	1010	98	101	75-125	3	20	
2,2-Dichloropropane	ug/kg	1000	1010	1030	101	103	66-134	2	20	
2-Butanone (MEK)	ug/kg	5000	5210	4600	104	92	65-138	13	20	
2-Chlorotoluene	ug/kg	1000	1050	1050	105	105	75-125	1	20	
4-Chlorotoluene	ug/kg	1000	1020	1010	102	101	75-128	1	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	5280	4620	106	92	75-130	13	20	
Acetone	ug/kg	5000	5360	4780	107	96	68-136	12	20	
Allyl chloride	ug/kg	1000	997	991	100	99	75-130	1	20	
Benzene	ug/kg	1000	989	996	99	100	75-133	1	20	
Bromobenzene	ug/kg	1000	974	981	97	98	75-125	1	20	
Bromochloromethane	ug/kg	1000	1010	1000	101	100	75-131	0	20	
Bromodichloromethane	ug/kg	1000	943	987	94	99	72-137	5	20	
Bromoform	ug/kg	1000	1000	1040	100	104	65-130	4	20	
Bromomethane	ug/kg	1000	1100	1030	110	103	48-150	6	20	
Carbon tetrachloride	ug/kg	1000	950	1030	95	103	68-141	9	20	
Chlorobenzene	ug/kg	1000	976	994	98	99	75-125	2	20	
Chloroethane	ug/kg	1000	987	906	99	91	53-150	9	20	
Chloroform	ug/kg	1000	1010	1030	101	103	75-131	2	20	
Chloromethane	ug/kg	1000	999	900	100	90	72-137	11	20	
cis-1,2-Dichloroethene	ug/kg	1000	945	989	94	99	75-128	5	20	
cis-1,3-Dichloropropene	ug/kg	1000	996	1020	100	102	75-127	3	20	
Dibromochloromethane	ug/kg	1000	971	1020	97	102	59-135	5	20	
Dibromomethane	ug/kg	1000	986	1020	99	102	75-128	3	20	
Dichlorodifluoromethane	ug/kg	1000	915	849	91	85	63-150	7	20	
Dichlorofluoromethane	ug/kg	1000	1020	899	102	90	72-136	12	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	993	969	99	97	75-131	2	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE & LCSD:		5569270			5569271					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/kg	1000	1010	1030	101	103	75-125	2	20	
Hexachloro-1,3-butadiene	ug/kg	1000	1010	1040	101	104	66-134	3	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1000	1030	100	103	75-125	3	20	
m&p-Xylene	ug/kg	2000	1990	2010	100	100	75-125	1	20	
Methyl-tert-butyl ether	ug/kg	1000	993	1010	99	101	75-133	1	20	
Methylene Chloride	ug/kg	1000	921	927	92	93	75-125	1	20	
n-Butylbenzene	ug/kg	1000	967	967	97	97	71-127	0	20	
n-Propylbenzene	ug/kg	1000	1030	1030	103	103	75-125	0	20	
Naphthalene	ug/kg	1000	1010	1020	101	102	75-125	1	20	
o-Xylene	ug/kg	1000	991	1020	99	102	75-125	3	20	
p-Isopropyltoluene	ug/kg	1000	1030	1020	103	102	75-125	1	20	
sec-Butylbenzene	ug/kg	1000	1030	1030	103	103	75-125	0	20	
Styrene	ug/kg	1000	1000	1030	100	103	75-125	3	20	
tert-Butylbenzene	ug/kg	1000	1040	1030	104	103	75-126	1	20	
Tetrachloroethene	ug/kg	1000	975	983	98	98	75-126	1	20	
Tetrahydrofuran	ug/kg	5000	5310	4490	106	90	71-135	17	20	
Toluene	ug/kg	1000	969	972	97	97	75-125	0	20	
trans-1,2-Dichloroethene	ug/kg	1000	981	977	98	98	75-130	0	20	
trans-1,3-Dichloropropene	ug/kg	1000	971	980	97	98	73-125	1	20	
Trichloroethene	ug/kg	1000	986	989	99	99	73-146	0	20	
Trichlorofluoromethane	ug/kg	1000	994	902	99	90	66-149	10	20	
Vinyl chloride	ug/kg	1000	901	814	90	81	75-138	10	20	
Xylene (Total)	ug/kg	3000	2980	3030	99	101	75-125	1	20	
1,2-Dichlorobenzene-d4 (S)	%.				101	101	75-125			
4-Bromofluorobenzene (S)	%.				100	101	75-125			
Toluene-d8 (S)	%.				99	99	75-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch: 1071924
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 5030 Med Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154001, 10777154002, 10777154025

METHOD BLANK: 5570627 Matrix: Solid

Associated Lab Samples: 10777154001, 10777154002, 10777154025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<16.9	50.0	16.9	06/24/26 16:15	
1,1,1-Trichloroethane	ug/kg	<15.7	50.0	15.7	06/24/26 16:15	
1,1,2,2-Tetrachloroethane	ug/kg	<12.9	50.0	12.9	06/24/26 16:15	
1,1,2-Trichloroethane	ug/kg	<15.1	50.0	15.1	06/24/26 16:15	
1,1,2-Trichlorotrifluoroethane	ug/kg	<20.3	200	20.3	06/24/26 16:15	
1,1-Dichloroethane	ug/kg	<13.8	50.0	13.8	06/24/26 16:15	
1,1-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/24/26 16:15	
1,1-Dichloropropene	ug/kg	<12.8	50.0	12.8	06/24/26 16:15	
1,2,3-Trichlorobenzene	ug/kg	<15.6	50.0	15.6	06/24/26 16:15	
1,2,3-Trichloropropane	ug/kg	<17.4	200	17.4	06/24/26 16:15	
1,2,4-Trichlorobenzene	ug/kg	<16.2	50.0	16.2	06/24/26 16:15	
1,2,4-Trimethylbenzene	ug/kg	<14.5	50.0	14.5	06/24/26 16:15	
1,2-Dibromo-3-chloropropane	ug/kg	<83.3	500	83.3	06/24/26 16:15	
1,2-Dibromoethane (EDB)	ug/kg	<16.0	50.0	16.0	06/24/26 16:15	
1,2-Dichlorobenzene	ug/kg	<14.6	50.0	14.6	06/24/26 16:15	
1,2-Dichloroethane	ug/kg	<13.9	50.0	13.9	06/24/26 16:15	
1,2-Dichloropropane	ug/kg	<15.2	50.0	15.2	06/24/26 16:15	
1,3,5-Trimethylbenzene	ug/kg	<14.0	50.0	14.0	06/24/26 16:15	
1,3-Dichlorobenzene	ug/kg	<13.4	50.0	13.4	06/24/26 16:15	
1,3-Dichloropropane	ug/kg	<15.8	50.0	15.8	06/24/26 16:15	
1,4-Dichlorobenzene	ug/kg	<13.2	50.0	13.2	06/24/26 16:15	
2,2-Dichloropropane	ug/kg	<21.9	200	21.9	06/24/26 16:15	
2-Butanone (MEK)	ug/kg	<117	250	117	06/24/26 16:15	
2-Chlorotoluene	ug/kg	<14.2	50.0	14.2	06/24/26 16:15	
4-Chlorotoluene	ug/kg	<14.9	50.0	14.9	06/24/26 16:15	
4-Methyl-2-pentanone (MIBK)	ug/kg	<96.6	250	96.6	06/24/26 16:15	
Acetone	ug/kg	<321	1000	321	06/24/26 16:15	
Allyl chloride	ug/kg	<88.2	200	88.2	06/24/26 16:15	
Benzene	ug/kg	<6.7	20.0	6.7	06/24/26 16:15	
Bromobenzene	ug/kg	<17.3	50.0	17.3	06/24/26 16:15	
Bromochloromethane	ug/kg	<15.8	50.0	15.8	06/24/26 16:15	
Bromodichloromethane	ug/kg	<20.4	50.0	20.4	06/24/26 16:15	
Bromoform	ug/kg	<95.5	200	95.5	06/24/26 16:15	
Bromomethane	ug/kg	<174	500	174	06/24/26 16:15	
Carbon tetrachloride	ug/kg	<18.3	50.0	18.3	06/24/26 16:15	
Chlorobenzene	ug/kg	<14.6	50.0	14.6	06/24/26 16:15	
Chloroethane	ug/kg	<138	500	138	06/24/26 16:15	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

METHOD BLANK: 5570627 Matrix: Solid

Associated Lab Samples: 10777154001, 10777154002, 10777154025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	ug/kg	<19.3	50.0	19.3	06/24/26 16:15	
Chloromethane	ug/kg	<30.8	200	30.8	06/24/26 16:15	
cis-1,2-Dichloroethene	ug/kg	<15.1	50.0	15.1	06/24/26 16:15	
cis-1,3-Dichloropropene	ug/kg	<17.0	50.0	17.0	06/24/26 16:15	
Dibromochloromethane	ug/kg	<49.5	200	49.5	06/24/26 16:15	
Dibromomethane	ug/kg	<20.4	50.0	20.4	06/24/26 16:15	
Dichlorodifluoromethane	ug/kg	<26.7	200	26.7	06/24/26 16:15	
Dichlorofluoromethane	ug/kg	<73.4	500	73.4	06/24/26 16:15	
Diethyl ether (Ethyl ether)	ug/kg	<34.5	200	34.5	06/24/26 16:15	
Ethylbenzene	ug/kg	<16.8	50.0	16.8	06/24/26 16:15	
Hexachloro-1,3-butadiene	ug/kg	<31.1	250	31.1	06/24/26 16:15	
Isopropylbenzene (Cumene)	ug/kg	<12.5	50.0	12.5	06/24/26 16:15	
m&p-Xylene	ug/kg	<28.4	100	28.4	06/24/26 16:15	
Methyl-tert-butyl ether	ug/kg	<14.6	50.0	14.6	06/24/26 16:15	
Methylene Chloride	ug/kg	<99.3	200	99.3	06/24/26 16:15	
n-Butylbenzene	ug/kg	<17.5	50.0	17.5	06/24/26 16:15	
n-Propylbenzene	ug/kg	<12.5	50.0	12.5	06/24/26 16:15	
Naphthalene	ug/kg	<20.0	200	20.0	06/24/26 16:15	
o-Xylene	ug/kg	<15.6	50.0	15.6	06/24/26 16:15	
p-Isopropyltoluene	ug/kg	<13.1	50.0	13.1	06/24/26 16:15	
sec-Butylbenzene	ug/kg	<12.9	50.0	12.9	06/24/26 16:15	
Styrene	ug/kg	<16.1	50.0	16.1	06/24/26 16:15	
tert-Butylbenzene	ug/kg	<14.7	50.0	14.7	06/24/26 16:15	
Tetrachloroethene	ug/kg	<17.4	50.0	17.4	06/24/26 16:15	
Tetrahydrofuran	ug/kg	<374	2000	374	06/24/26 16:15	
Toluene	ug/kg	<20.0	50.0	20.0	06/24/26 16:15	
trans-1,2-Dichloroethene	ug/kg	<13.3	50.0	13.3	06/24/26 16:15	
trans-1,3-Dichloropropene	ug/kg	<15.6	50.0	15.6	06/24/26 16:15	
Trichloroethene	ug/kg	<13.5	50.0	13.5	06/24/26 16:15	
Trichlorofluoromethane	ug/kg	<58.7	200	58.7	06/24/26 16:15	
Vinyl chloride	ug/kg	<9.2	20.0	9.2	06/24/26 16:15	
Xylene (Total)	ug/kg	<28.4	150	28.4	06/24/26 16:15	
1,2-Dichlorobenzene-d4 (S)	%.	99	75-125		06/24/26 16:15	
4-Bromofluorobenzene (S)	%.	102	75-125		06/24/26 16:15	
Toluene-d8 (S)	%.	101	75-125		06/24/26 16:15	

LABORATORY CONTROL SAMPLE & LCSD: 5570628 5570629

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1040	991	104	99	69-133	4	20	
1,1,1-Trichloroethane	ug/kg	1000	1070	1030	107	103	75-135	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	897	887	90	89	67-125	1	20	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE & LCSD:		5570628			5570629					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/kg	1000	974	942	97	94	75-125	3	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1070	1050	107	105	73-140	1	20	
1,1-Dichloroethane	ug/kg	1000	1050	1010	105	101	75-129	3	20	
1,1-Dichloroethene	ug/kg	1000	1070	1040	107	104	75-129	3	20	
1,1-Dichloropropene	ug/kg	1000	1090	1050	109	105	75-131	4	20	
1,2,3-Trichlorobenzene	ug/kg	1000	847	823	85	82	73-128	3	20	
1,2,3-Trichloropropane	ug/kg	1000	978	967	98	97	75-125	1	20	
1,2,4-Trichlorobenzene	ug/kg	1000	920	912	92	91	74-128	1	20	
1,2,4-Trimethylbenzene	ug/kg	1000	977	947	98	95	75-125	3	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	880	914	88	91	62-128	4	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	978	912	98	91	75-125	7	20	
1,2-Dichlorobenzene	ug/kg	1000	951	928	95	93	72-125	2	20	
1,2-Dichloroethane	ug/kg	1000	1050	1000	105	100	75-133	5	20	
1,2-Dichloropropane	ug/kg	1000	1060	1030	106	103	75-132	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	966	943	97	94	75-125	2	20	
1,3-Dichlorobenzene	ug/kg	1000	973	931	97	93	75-125	4	20	
1,3-Dichloropropane	ug/kg	1000	989	952	99	95	75-125	4	20	
1,4-Dichlorobenzene	ug/kg	1000	940	937	94	94	75-125	0	20	
2,2-Dichloropropane	ug/kg	1000	1170	1120	117	112	66-134	4	20	
2-Butanone (MEK)	ug/kg	5000	5080	4910	102	98	65-138	4	20	
2-Chlorotoluene	ug/kg	1000	981	963	98	96	75-125	2	20	
4-Chlorotoluene	ug/kg	1000	962	936	96	94	75-128	3	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	4860	4730	97	95	75-130	3	20	
Acetone	ug/kg	5000	5390	5400	108	108	68-136	0	20	
Allyl chloride	ug/kg	1000	1070	1040	107	104	75-130	3	20	
Benzene	ug/kg	1000	1030	1010	103	101	75-133	2	20	
Bromobenzene	ug/kg	1000	964	928	96	93	75-125	4	20	
Bromochloromethane	ug/kg	1000	1070	1030	107	103	75-131	3	20	
Bromodichloromethane	ug/kg	1000	961	938	96	94	72-137	2	20	
Bromoform	ug/kg	1000	928	950	93	95	65-130	2	20	
Bromomethane	ug/kg	1000	1140	1060	114	106	48-150	8	20	
Carbon tetrachloride	ug/kg	1000	994	940	99	94	68-141	6	20	
Chlorobenzene	ug/kg	1000	1010	978	101	98	75-125	3	20	
Chloroethane	ug/kg	1000	1080	1050	108	105	53-150	3	20	
Chloroform	ug/kg	1000	1080	1020	108	102	75-131	5	20	
Chloromethane	ug/kg	1000	1080	1050	108	105	72-137	3	20	
cis-1,2-Dichloroethene	ug/kg	1000	1040	1000	104	100	75-128	4	20	
cis-1,3-Dichloropropene	ug/kg	1000	1060	1050	106	105	75-127	1	20	
Dibromochloromethane	ug/kg	1000	928	900	93	90	59-135	3	20	
Dibromomethane	ug/kg	1000	1050	1010	105	101	75-128	4	20	
Dichlorodifluoromethane	ug/kg	1000	1090	1050	109	105	63-150	3	20	
Dichlorofluoromethane	ug/kg	1000	1120	1090	112	109	72-136	3	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	1010	995	101	100	75-131	1	20	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE & LCSD:		5570628			5570629					
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/kg	1000	1000	974	100	97	75-125	3	20	
Hexachloro-1,3-butadiene	ug/kg	1000	987	941	99	94	66-134	5	20	
Isopropylbenzene (Cumene)	ug/kg	1000	982	950	98	95	75-125	3	20	
m&p-Xylene	ug/kg	2000	1990	1900	99	95	75-125	4	20	
Methyl-tert-butyl ether	ug/kg	1000	1020	1000	102	100	75-133	1	20	
Methylene Chloride	ug/kg	1000	1000	957	100	96	75-125	5	20	
n-Butylbenzene	ug/kg	1000	912	880	91	88	71-127	4	20	
n-Propylbenzene	ug/kg	1000	976	935	98	94	75-125	4	20	
Naphthalene	ug/kg	1000	886	882	89	88	75-125	1	20	
o-Xylene	ug/kg	1000	1020	984	102	98	75-125	3	20	
p-Isopropyltoluene	ug/kg	1000	954	939	95	94	75-125	2	20	
sec-Butylbenzene	ug/kg	1000	970	920	97	92	75-125	5	20	
Styrene	ug/kg	1000	1030	990	103	99	75-125	4	20	
tert-Butylbenzene	ug/kg	1000	949	926	95	93	75-126	2	20	
Tetrachloroethene	ug/kg	1000	978	926	98	93	75-126	5	20	
Tetrahydrofuran	ug/kg	5000	5010	5020	100	100	71-135	0	20	
Toluene	ug/kg	1000	1020	992	102	99	75-125	2	20	
trans-1,2-Dichloroethene	ug/kg	1000	1040	997	104	100	75-130	4	20	
trans-1,3-Dichloropropene	ug/kg	1000	991	950	99	95	73-125	4	20	
Trichloroethene	ug/kg	1000	1030	994	103	99	73-146	3	20	
Trichlorofluoromethane	ug/kg	1000	1130	1100	113	110	66-149	2	20	
Vinyl chloride	ug/kg	1000	1000	974	100	97	75-138	3	20	
Xylene (Total)	ug/kg	3000	3000	2890	100	96	75-125	4	20	
1,2-Dichlorobenzene-d4 (S)	%.				99	98	75-125			
4-Bromofluorobenzene (S)	%.				102	102	75-125			
Toluene-d8 (S)	%.				102	103	75-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch: 1070450
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154001, 10777154002, 10777154003, 10777154005, 10777154007, 10777154008, 10777154009, 10777154015, 10777154019, 10777154025

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METHOD BLANK: 5562506 Matrix: Solid

Associated Lab Samples: 10777154001, 10777154002, 10777154003, 10777154005, 10777154007, 10777154008, 10777154009, 10777154015, 10777154019, 10777154025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.4	50.0	12.4	06/17/26 12:12	
PCB-1221 (Aroclor 1221)	ug/kg	<13.7	50.0	13.7	06/17/26 12:12	
PCB-1232 (Aroclor 1232)	ug/kg	<16.1	50.0	16.1	06/17/26 12:12	
PCB-1242 (Aroclor 1242)	ug/kg	<18.3	50.0	18.3	06/17/26 12:12	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	15.2	06/17/26 12:12	
PCB-1254 (Aroclor 1254)	ug/kg	<16.9	50.0	16.9	06/17/26 12:12	
PCB-1260 (Aroclor 1260)	ug/kg	<14.7	50.0	14.7	06/17/26 12:12	
Decachlorobiphenyl (S)	%.	123	30-125		06/17/26 12:12	
Tetrachloro-m-xylene (S)	%.	136	30-125		06/17/26 12:12	S3

LABORATORY CONTROL SAMPLE: 5562507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	1130	113	69-125	
PCB-1260 (Aroclor 1260)	ug/kg	1000	1180	118	69-125	
Decachlorobiphenyl (S)	%.			118	30-125	
Tetrachloro-m-xylene (S)	%.			113	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5562508 5562509

Parameter	Units	10777153001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<12.8	1060	1060	1040	1350	98	127	33-128	26	30	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	1060	1060	1040	1360	98	128	30-131	27	30	
Decachlorobiphenyl (S)	%.						95	119	30-125			
Tetrachloro-m-xylene (S)	%.						101	124	30-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch: 1070449
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154001, 10777154003, 10777154005

METHOD BLANK: 5562502 Matrix: Solid

Associated Lab Samples: 10777154001, 10777154003, 10777154005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/17/26 02:20	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/17/26 02:20	
Anthracene	ug/kg	<1.2	10.0	1.2	06/17/26 02:20	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/17/26 02:20	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/17/26 02:20	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/17/26 02:20	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/17/26 02:20	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/17/26 02:20	
Chrysene	ug/kg	<1.3	10.0	1.3	06/17/26 02:20	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/17/26 02:20	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/17/26 02:20	
Fluorene	ug/kg	<1.1	10.0	1.1	06/17/26 02:20	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/17/26 02:20	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/17/26 02:20	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/17/26 02:20	
Pyrene	ug/kg	<2.1	10.0	2.1	06/17/26 02:20	
2-Fluorobiphenyl (S)	%.	81	61-125		06/17/26 02:20	
p-Terphenyl-d14 (S)	%.	97	61-125		06/17/26 02:20	

LABORATORY CONTROL SAMPLE: 5562503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	77.5	77	50-125	
Acenaphthylene	ug/kg	100	78.1	78	53-125	
Anthracene	ug/kg	100	85.1	85	58-125	
Benzo(a)anthracene	ug/kg	100	77.4	77	60-125	
Benzo(a)pyrene	ug/kg	100	88.8	89	64-125	
Benzo(b)fluoranthene	ug/kg	100	84.7	85	60-125	
Benzo(g,h,i)perylene	ug/kg	100	90.1	90	59-125	
Benzo(k)fluoranthene	ug/kg	100	91.0	91	62-125	
Chrysene	ug/kg	100	79.2	79	64-125	
Dibenz(a,h)anthracene	ug/kg	100	102	102	62-125	
Fluoranthene	ug/kg	100	82.6	83	62-125	
Fluorene	ug/kg	100	75.6	76	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	90.5	91	58-125	
Naphthalene	ug/kg	100	69.0	69	46-125	
Phenanthrene	ug/kg	100	73.6	74	59-125	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE: 5562503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	87.2	87	59-125	
2-Fluorobiphenyl (S)	%.			77	61-125	
p-Terphenyl-d14 (S)	%.			91	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5562504 5562505

Parameter	Units	10777133001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	ND	106	106	84.2	83.3	79	78	30-150	1	30	
Acenaphthylene	ug/kg	24.3	106	106	107	110	78	80	30-138	2	30	
Anthracene	ug/kg	18.7	106	106	118	108	94	83	30-150	10	30	
Benzo(a)anthracene	ug/kg	61.2	106	106	160	144	93	78	30-150	10	30	
Benzo(a)pyrene	ug/kg	90.7	106	106	197	186	100	90	30-150	6	30	
Benzo(b)fluoranthene	ug/kg	138	106	106	246	220	102	78	30-150	11	30	
Benzo(g,h,i)perylene	ug/kg	84.8	106	106	186	181	96	91	30-150	3	30	
Benzo(k)fluoranthene	ug/kg	52.1	106	106	151	145	92	88	30-150	3	30	
Chrysene	ug/kg	79.6	106	106	172	146	87	62	30-150	17	30	
Dibenz(a,h)anthracene	ug/kg	ND	106	106	99.7	104	94	98	30-150	5	30	
Fluoranthene	ug/kg	160	106	106	295	240	126	75	30-150	21	30	
Fluorene	ug/kg	ND	106	106	89.7	90.0	84	85	30-150	0	30	
Indeno(1,2,3-cd)pyrene	ug/kg	86.5	106	106	192	183	99	91	30-150	5	30	
Naphthalene	ug/kg	ND	106	106	63.6	58.4	60	55	30-150	9	30	
Phenanthrene	ug/kg	71.0	106	106	185	151	107	75	30-150	20	30	
Pyrene	ug/kg	139	106	106	258	223	112	79	30-150	15	30	
2-Fluorobiphenyl (S)	%.						63	66	61-125			
p-Terphenyl-d14 (S)	%.						86	83	61-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch 1070552 — Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3546 — Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154008, 10777154009, 10777154015, 10777154019, 10777154025

METHOD BLANK: 5563130 — Matrix: Solid

Associated Lab Samples: 10777154008, 10777154009, 10777154015, 10777154019, 10777154025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/18/26 04:33	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/18/26 04:33	
Anthracene	ug/kg	<1.2	10.0	1.2	06/18/26 04:33	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/18/26 04:33	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/18/26 04:33	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/18/26 04:33	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/18/26 04:33	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/18/26 04:33	
Chrysene	ug/kg	<1.3	10.0	1.3	06/18/26 04:33	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/18/26 04:33	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/18/26 04:33	
Fluorene	ug/kg	<1.1	10.0	1.1	06/18/26 04:33	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/18/26 04:33	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/18/26 04:33	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/18/26 04:33	
Pyrene	ug/kg	<2.1	10.0	2.1	06/18/26 04:33	
2-Fluorobiphenyl (S)	%.	91	61-125		06/18/26 04:33	
p-Terphenyl-d14 (S)	%.	106	61-125		06/18/26 04:33	

LABORATORY CONTROL SAMPLE: 5563131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	81.1	81	50-125	
Acenaphthylene	ug/kg	100	80.3	80	53-125	
Anthracene	ug/kg	100	81.8	82	58-125	
Benzo(a)anthracene	ug/kg	100	79.4	79	60-125	
Benzo(a)pyrene	ug/kg	100	82.1	82	64-125	
Benzo(b)fluoranthene	ug/kg	100	81.9	82	60-125	
Benzo(g,h,i)perylene	ug/kg	100	82.0	82	59-125	
Benzo(k)fluoranthene	ug/kg	100	85.5	85	62-125	
Chrysene	ug/kg	100	77.6	78	64-125	
Dibenz(a,h)anthracene	ug/kg	100	86.9	87	62-125	
Fluoranthene	ug/kg	100	85.6	86	62-125	
Fluorene	ug/kg	100	82.3	82	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	84.9	85	58-125	
Naphthalene	ug/kg	100	83.5	83	46-125	
Phenanthrene	ug/kg	100	82.3	82	59-125	

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE: 5563131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	75.9	76	59-125	
2-Fluorobiphenyl (S)	%.			78	61-125	
p-Terphenyl-d14 (S)	%.			77	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5563132 5563133

Parameter	Units	10776784001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	ND	119	119	94.2	95.2	79	80	30-150	1	30	
Acenaphthylene	ug/kg	ND	119	119	93.5	95.2	79	80	30-138	2	30	
Anthracene	ug/kg	ND	119	119	92.4	96.8	78	81	30-150	5	30	
Benzo(a)anthracene	ug/kg	ND	119	119	90.5	92.9	76	78	30-150	3	30	
Benzo(a)pyrene	ug/kg	ND	119	119	92.7	96.0	78	81	30-150	3	30	
Benzo(b)fluoranthene	ug/kg	ND	119	119	94.2	94.5	79	79	30-150	0	30	
Benzo(g,h,i)perylene	ug/kg	ND	119	119	94.1	98.0	79	82	30-150	4	30	
Benzo(k)fluoranthene	ug/kg	ND	119	119	96.6	98.1	81	83	30-150	2	30	
Chrysene	ug/kg	ND	119	119	90.3	91.8	76	77	30-150	2	30	
Dibenz(a,h)anthracene	ug/kg	ND	119	119	98.4	102	83	86	30-150	3	30	
Fluoranthene	ug/kg	ND	119	119	96.5	97.9	81	82	30-150	1	30	
Fluorene	ug/kg	ND	119	119	92.8	96.6	78	81	30-150	4	30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	119	119	95.9	100	81	84	30-150	5	30	
Naphthalene	ug/kg	ND	119	119	96.1	96.2	81	81	30-150	0	30	
Phenanthrene	ug/kg	ND	119	119	96.2	98.7	81	83	30-150	3	30	
Pyrene	ug/kg	ND	119	119	89.8	90.2	76	76	30-150	0	30	
2-Fluorobiphenyl (S)	%.						76	77	61-125			
p-Terphenyl-d14 (S)	%.						73	74	61-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch: 1071225
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154002, 10777154007

METHOD BLANK: 5567173 Matrix: Solid

Associated Lab Samples: 10777154002, 10777154007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/kg	<1.1	10.0	1.1	06/19/26 16:55	
Acenaphthylene	ug/kg	<1.8	10.0	1.8	06/19/26 16:55	
Anthracene	ug/kg	<1.2	10.0	1.2	06/19/26 16:55	
Benzo(a)anthracene	ug/kg	<1.8	10.0	1.8	06/19/26 16:55	
Benzo(a)pyrene	ug/kg	<1.7	10.0	1.7	06/19/26 16:55	
Benzo(b)fluoranthene	ug/kg	<2.3	10.0	2.3	06/19/26 16:55	
Benzo(g,h,i)perylene	ug/kg	<2.2	10.0	2.2	06/19/26 16:55	
Benzo(k)fluoranthene	ug/kg	<1.3	10.0	1.3	06/19/26 16:55	
Chrysene	ug/kg	<1.3	10.0	1.3	06/19/26 16:55	
Dibenz(a,h)anthracene	ug/kg	<1.4	10.0	1.4	06/19/26 16:55	
Fluoranthene	ug/kg	<2.6	10.0	2.6	06/19/26 16:55	
Fluorene	ug/kg	<1.1	10.0	1.1	06/19/26 16:55	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.0	10.0	2.0	06/19/26 16:55	
Naphthalene	ug/kg	<3.6	10.0	3.6	06/19/26 16:55	
Phenanthrene	ug/kg	<2.2	10.0	2.2	06/19/26 16:55	
Pyrene	ug/kg	<2.1	10.0	2.1	06/19/26 16:55	
2-Fluorobiphenyl (S)	%.	64	61-125		06/19/26 16:55	
p-Terphenyl-d14 (S)	%.	77	61-125		06/19/26 16:55	

LABORATORY CONTROL SAMPLE: 5567174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	64.4	64	50-125	
Acenaphthylene	ug/kg	100	65.3	65	53-125	
Anthracene	ug/kg	100	78.8	79	58-125	
Benzo(a)anthracene	ug/kg	100	69.2	69	60-125	
Benzo(a)pyrene	ug/kg	100	81.4	81	64-125	
Benzo(b)fluoranthene	ug/kg	100	71.6	72	60-125	
Benzo(g,h,i)perylene	ug/kg	100	85.1	85	59-125	
Benzo(k)fluoranthene	ug/kg	100	82.2	82	62-125	
Chrysene	ug/kg	100	71.1	71	64-125	
Dibenz(a,h)anthracene	ug/kg	100	96.2	96	62-125	
Fluoranthene	ug/kg	100	77.1	77	62-125	
Fluorene	ug/kg	100	62.9	63	53-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	87.1	87	58-125	
Naphthalene	ug/kg	100	60.8	61	46-125	
Phenanthrene	ug/kg	100	63.3	63	59-125	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

LABORATORY CONTROL SAMPLE: 5567174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	100	75.9	76	59-125	
2-Fluorobiphenyl (S)	%.			64	61-125	
p-Terphenyl-d14 (S)	%.			81	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5567175 5567176

Parameter	Units	10777777002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/kg	0.0028J mg/kg	103	103	82.2	83.7	77	79	30-150	2	30	
Acenaphthylene	ug/kg	0.0090J mg/kg	103	103	88.5	100	77	88	30-138	12	30	
Anthracene	ug/kg	0.021 mg/kg	103	103	97.5	140	74	115	30-150	36	30	R1
Benzo(a)anthracene	ug/kg	0.031 mg/kg	103	103	104	109	71	76	30-150	5	30	
Benzo(a)pyrene	ug/kg	0.026 mg/kg	103	103	93.6	82.7	66	55	30-150	12	30	
Benzo(b)fluoranthene	ug/kg	0.041 mg/kg	103	103	115	111	71	68	30-150	4	30	
Benzo(g,h,i)perylene	ug/kg	0.027 mg/kg	103	103	86.9	77.1	58	49	30-150	12	30	
Benzo(k)fluoranthene	ug/kg	0.011 mg/kg	103	103	80.9	74.1	68	61	30-150	9	30	
Chrysene	ug/kg	0.040 mg/kg	103	103	106	106	64	65	30-150	0	30	
Dibenz(a,h)anthracene	ug/kg	0.0064J mg/kg	103	103	88.6	76.1	80	68	30-150	15	30	
Fluoranthene	ug/kg	0.047 mg/kg	103	103	125	144	76	94	30-150	14	30	
Fluorene	ug/kg	0.0067J mg/kg	103	103	85.2	84.6	76	76	30-150	1	30	
Indeno(1,2,3-cd)pyrene	ug/kg	0.021 mg/kg	103	103	92.0	78.3	69	55	30-150	16	30	
Naphthalene	ug/kg	0.22 mg/kg	103	103	298	499	76	272	30-150	50	30	M1,R1
Phenanthrene	ug/kg	0.10 mg/kg	103	103	179	276	75	170	30-150	43	30	M1,R1
Pyrene	ug/kg	0.053 mg/kg	103	103	134	144	79	89	30-150	7	30	
2-Fluorobiphenyl (S)	%.						71	71	61-125			
p-Terphenyl-d14 (S)	%.						83	82	61-125			

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QUALITY CONTROL DATA

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

QC Batch: 1070501
QC Batch Method: WI MOD DRO
Analysis Method: WI MOD DRO
Analysis Description: WIDRO GCS
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10777154001, 10777154002, 10777154004, 10777154006, 10777154007, 10777154008, 10777154010, 10777154011, 10777154015, 10777154020, 10777154025

METHOD BLANK: 5562707 Matrix: Solid

Associated Lab Samples: 10777154001, 10777154002, 10777154004, 10777154006, 10777154007, 10777154008, 10777154010, 10777154011, 10777154015, 10777154020, 10777154025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
WDRO C10-C28	mg/kg	<2.8	10.0	2.8	06/19/26 00:32	
n-Triacontane (S)	%.	94	50-150		06/19/26 00:32	CH

LABORATORY CONTROL SAMPLE & LCSD: 5562708 5562709

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/kg	80	66.9	80.4	84	101	70-120	18	20	
n-Triacontane (S)	%.				101	126	50-150			CH

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QUALIFIERS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

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 adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 1071592
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072106
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072118
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072403
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 1072405
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1M	Recovery was within charted limits but above 70-130% MPCA guideline limits.
B	Analyte was detected in the associated method blank.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
GO	Early and late peaks present outside the GRO window.
H1	Analysis conducted outside the recognized method holding time.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

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QUALIFIERS

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
T6	High boiling point hydrocarbons are present in the sample.
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: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10777154001	D-TP28-1_0.8-2	EPA 3546	1070450	EPA 8082A	1070738
10777154002	D-TP29-1_1.5-2.5	EPA 3546	1070450	EPA 8082A	1070738
10777154003	D-COMP-05_0-1	EPA 3546	1070450	EPA 8082A	1070738
10777154005	D-COMP-03A_0-1	EPA 3546	1070450	EPA 8082A	1070738
10777154007	D-TP21-1_2.2-2.7	EPA 3546	1070450	EPA 8082A	1070738
10777154008	D-TP16-1_0-1	EPA 3546	1070450	EPA 8082A	1070738
10777154009	D-COMP-03_0-1	EPA 3546	1070450	EPA 8082A	1070738
10777154015	D-TP17-1_2-3.5	EPA 3546	1070450	EPA 8082A	1070738
10777154019	D-COMP-04_2-2.5	EPA 3546	1070450	EPA 8082A	1070738
10777154025	D-TP31-1_1.5-2.5	EPA 3546	1070450	EPA 8082A	1070738
10777154001	D-TP28-1_0.8-2	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154002	D-TP29-1_1.5-2.5	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154004	D-TP26-1_0-1	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154006	D-TP19-1_0-1	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154007	D-TP21-1_2.2-2.7	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154008	D-TP16-1_0-1	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154010	D-TP12-1_0-1	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154011	D-TP13-1_1-2	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154015	D-TP17-1_2-3.5	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154020	D-TP23-2_2-2.5	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154025	D-TP31-1_1.5-2.5	WI MOD DRO	1070501	WI MOD DRO	1071077
10777154001	D-TP28-1_0.8-2	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10777154002	D-TP29-1_1.5-2.5	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10777154004	D-TP26-1_0-1	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10777154006	D-TP19-1_0-1	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10777154007	D-TP21-1_2.2-2.7	EPA 5030 Medium Soil	1072135	WI MOD GRO	1072403
10777154008	D-TP16-1_0-1	EPA 5030 Medium Soil	1072136	WI MOD GRO	1072405
10777154010	D-TP12-1_0-1	EPA 5030 Medium Soil	1072136	WI MOD GRO	1072405
10777154011	D-TP13-1_1-2	EPA 5030 Medium Soil	1072136	WI MOD GRO	1072405
10777154015	D-TP17-1_2-3.5	EPA 5030 Medium Soil	1072136	WI MOD GRO	1072405
10777154020	D-TP23-2_2-2.5	EPA 5030 Medium Soil	1072136	WI MOD GRO	1072405
10777154025	D-TP31-1_1.5-2.5	EPA 5030 Medium Soil	1072136	WI MOD GRO	1072405
10777154026	Trip Blank-01	EPA 5030 Medium Soil	1072136	WI MOD GRO	1072405
10777154001	D-TP28-1_0.8-2	EPA 3050B	1071101	EPA 6010D	1071850
10777154002	D-TP29-1_1.5-2.5	EPA 3050B	1071101	EPA 6010D	1071850
10777154003	D-COMP-05_0-1	EPA 3050B	1071101	EPA 6010D	1071850
10777154005	D-COMP-03A_0-1	EPA 3050B	1071101	EPA 6010D	1071850
10777154007	D-TP21-1_2.2-2.7	EPA 3050B	1071101	EPA 6010D	1071850
10777154008	D-TP16-1_0-1	EPA 3050B	1071101	EPA 6010D	1071850
10777154009	D-COMP-03_0-1	EPA 3050B	1071101	EPA 6010D	1071850
10777154015	D-TP17-1_2-3.5	EPA 3050B	1071101	EPA 6010D	1071850
10777154019	D-COMP-04_2-2.5	EPA 3050B	1071101	EPA 6010D	1071850
10777154025	D-TP31-1_1.5-2.5	EPA 3050B	1071101	EPA 6010D	1071850
10777154001	D-TP28-1_0.8-2	EPA 7471B	1071108	EPA 7471B	1071863
10777154002	D-TP29-1_1.5-2.5	EPA 7471B	1071108	EPA 7471B	1071863
10777154003	D-COMP-05_0-1	EPA 7471B	1071108	EPA 7471B	1071863
10777154005	D-COMP-03A_0-1	EPA 7471B	1071108	EPA 7471B	1071863
10777154007	D-TP21-1_2.2-2.7	EPA 7471B	1071108	EPA 7471B	1071863

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 23311657 100 300 Hill Annex
Pace Project No.: 10777154

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10777154008	**D-TP16-1_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10777154009	**D-COMP-03_0-1**	EPA 7471B	1071108	EPA 7471B	1071863
10777154015	**D-TP17-1_2-3.5**	EPA 7471B	1071108	EPA 7471B	1071863
10777154019	**D-COMP-04_2-2.5**	EPA 7471B	1071108	EPA 7471B	1071863
10777154025	**D-TP31-1_1.5-2.5**	EPA 7471B	1071108	EPA 7471B	1071863
10777154001	**D-TP28-1_0.8-2**	ASTM D2974	1071888		
10777154002	**D-TP29-1_1.5-2.5**	ASTM D2974	1071888		
10777154003	**D-COMP-05_0-1**	ASTM D2974	1071888		
10777154004	**D-TP26-1_0-1**	ASTM D2974	1071888		
10777154005	**D-COMP-03A_0-1**	ASTM D2974	1071888		
10777154006	**D-TP19-1_0-1**	ASTM D2974	1071888		
10777154007	**D-TP21-1_2.2-2.7**	ASTM D2974	1071888		
10777154008	**D-TP16-1_0-1**	ASTM D2974	1071888		
10777154009	**D-COMP-03_0-1**	ASTM D2974	1071888		
10777154010	**D-TP12-1_0-1**	ASTM D2974	1071888		
10777154011	**D-TP13-1_1-2**	ASTM D2974	1071888		
10777154015	**D-TP17-1_2-3.5**	ASTM D2974	1071888		
10777154019	**D-COMP-04_2-2.5**	ASTM D2974	1071888		
10777154020	**D-TP23-2_2-2.5**	ASTM D2974	1071888		
10777154025	**D-TP31-1_1.5-2.5**	ASTM D2974	1071888		
10777154001	**D-TP28-1_0.8-2**	EPA 3546	1070449	EPA 8270E by SIM	1070626
10777154003	**D-COMP-05_0-1**	EPA 3546	1070449	EPA 8270E by SIM	1070626
10777154005	**D-COMP-03A_0-1**	EPA 3546	1070449	EPA 8270E by SIM	1070626
10777154002	**D-TP29-1_1.5-2.5**	EPA 3546	1071225	EPA 8270E by SIM	1071326
10777154007	**D-TP21-1_2.2-2.7**	EPA 3546	1071225	EPA 8270E by SIM	1071326
10777154008	**D-TP16-1_0-1**	EPA 3546	1070552	EPA 8270E by SIM	1070801
10777154009	**D-COMP-03_0-1**	EPA 3546	1070552	EPA 8270E by SIM	1070801
10777154015	**D-TP17-1_2-3.5**	EPA 3546	1070552	EPA 8270E by SIM	1070801
10777154019	**D-COMP-04_2-2.5**	EPA 3546	1070552	EPA 8270E by SIM	1070801
10777154025	**D-TP31-1_1.5-2.5**	EPA 3546	1070552	EPA 8270E by SIM	1070801
10777154001	**D-TP28-1_0.8-2**	EPA 5035/5030B	1071924	EPA 8260D	1072106
10777154002	**D-TP29-1_1.5-2.5**	EPA 5035/5030B	1071924	EPA 8260D	1072106
10777154025	**D-TP31-1_1.5-2.5**	EPA 5035/5030B	1071924	EPA 8260D	1072106
10777154004	**D-TP26-1_0-1**	EPA 5035/5030B	1071653	EPA 8260D	1072118
10777154006	**D-TP19-1_0-1**	EPA 5035/5030B	1071653	EPA 8260D	1072118
10777154007	**D-TP21-1_2.2-2.7**	EPA 5035/5030B	1071653	EPA 8260D	1072118
10777154008	**D-TP16-1_0-1**	EPA 5035/5030B	1071653	EPA 8260D	1072118
10777154011	**D-TP13-1_1-2**	EPA 5035/5030B	1071653	EPA 8260D	1072118
10777154015	**D-TP17-1_2-3.5**	EPA 5035/5030B	1071653	EPA 8260D	1072118
10777154020	**D-TP23-2_2-2.5**	EPA 5035/5030B	1071653	EPA 8260D	1072118
10777154010	**D-TP12-1_0-1**	EPA 5035/5030B	1071460	EPA 8260D	1071592
10777154026	**Trip Blank-01**	EPA 5035/5030B	1071460	EPA 8260D	1071592

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BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number:
COC 1 of 3

WO# : 10777154
10777154

W = Unspecified
S = Soil/Solid
SD = Sediment
SQ = MeOH blank
OTH = Other (Oil, etc.)
G = $NaHSO_4$
H = $Na_2S_2O_3$
I = Ascorbic Acid
J = Zn Acetate
K = Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - VOCs	Soil: DRO	GRO	RCRA Metals	PAHs	PCBs	% Solids	Preservative Code	Field Filtered Y/N
									F	A	F	A	A	A			N
									N	N	N	N	N	N			
1. D-TP28-1	0.0	2	ft	06/10/2026	09:30	S	N	6	1	1	1	1	1	1	1	Transformer 1	CW
2. D-TP29-1	1.5	2.5	ft	06/10/2026	09:40	S	N	6	1	1	1	1	1	1	1	Transformer 1	CW
3. D-COMP-05	0	1	ft	06/09/2026	16:30	S	N	2				1	1	1	1	Transf 1 - Conf	CW
4. D-TP26-1	0	1	ft	06/09/2026	15:55	S	N	6	1	1	1				1	Transf 1 - Conf	CW
5. D-COMP-03A	0	1	ft	06/09/2026	12:30	S	N	2				1	1	1	1	Drainage - Conf	CW
6. D-TP19-1	0	1	ft	06/09/2026	12:30	S	N	6	1	1	1				1	Drainage - Conf	CW
7. D-~~COMP~~ TP21-1	2.2	2.7	ft	06/09/2026	12:15	S	N	6	1	1	1	1	1	1	1	Drainage	CW
8. D-TP16-1	0	1	ft	06/09/2026	09:47	S	N	6	1	1	1	1	1	1	1	Motor shop drain	CW
9. D-COMP-03	0	1	ft	06/08/2026	15:37	S	N	2				1	1	1	1	Crushing - Conf	CW
10. D-TP17-1	0	1	ft	06/08/2026	15:25	S	N	6	1	1	1				1	Crushing - Conf	CW

BARR USE ONLY
Sampled by: JSP
Barr Proj. Manager: Tristan Beaster
Barr DQ Manager: Jim Taraldsen
Lab Name: Pace Analytical
Lab Location: MPLS

Relinquished by: On Ice? (Y) N Date 6/11/26 Time 0754 Received by: Pace
Relinquished by: On Ice? (Y) N Date 6/11/26 Time 0754 Received by: Date Time
Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other: _____ Air Bill Number:
Lab WO: Temperature on Receipt (°C): 3.3 Custody Seal Intact? ☐ Y ☐ N ☐ None

Requested Due Date:
☒ Standard Turn Around Time
☐ Rush _____ (mm/dd/yyyy)

Distribution: Original (printed) *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

(DU 4.0, 4.2) Reli: 6/11/26 1050 Reci: 6/11/26 0900 6/11/26 1050

H:\AAN\Chain of Custody Form 2024 Rev. 04-12-2024

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number:
COC 2 of 3

Matrix Code:		Preservative Code:	
GW	Groundwater	A	None
SW	Surface Water	B	HCl
DW	Drinking Water	C	HNO_3
PW	Pore Water	D	H_2SO_4
WW	Waste Water	E	NaOH
WQ	TB, FB, EB, etc.	F	MeOH
W	Unspecified	G	$NaHSO_4$
S	Soil/Solid	H	$Na_2S_2O_3$
SD	Sediment	I	Ascorbic Acid
SQ	MeOH blank	J	Zn Acetate
OTH	Other (Oil, etc.)	K	Other

Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - VOCs (F)	Soil: DRO (A)	GRO (F)	RCRA Metals (A)	PAHs (A)	PCBs (A)	% Solids	Preservative Code	Field Filtered Y/N
1. D-TP13 - 1	1	2	ft	06/09/2026	08:25	S	N	6	1	1	1					AST	011
2. D-TP09 - 1	0	1	ft	06/08/2026	14:35	S	N	2								Hold	012
3. D-TP10 - 1	0	1	ft	06/08/2026	14:47	S	N	2								Hold	013
4. D-TP11 - 1	0	1	ft	06/08/2026	15:07	S	N	2								Hold	014
5. D-TP17 - 1	2	3.5	ft	06/09/2026	11:40	S	N	6	1	1	1	1	1	1	1		015
6. D-TP18 - 1	0	1	ft	06/09/2026	12:42	S	N	2								Hold	016
7. D-TP22 - 1	0	1	ft	06/09/2026	13:04	S	N	2								Hold	017
8. D-TP23 - 1	0	1	ft	06/09/2026	13:02	S	N	2								Hold	018
9. D-~~TP~~ COMP -01	2	2.5	ft	06/09/2026	12:40	S	N	2				1	1	1		Drainage -	019
10. D-TP23 - 2	2	2.5	ft	06/09/2026	13:00	S	N	1	1	1					1	Drainage	020

BARR USE ONLY								
Sampled by: JSP	Relinquished by:	On Ice? Y N	Date	Time	Received by: Stelacia Pace	Date	Time
Barr Proj. Manager: Tristan Beaster	Relinquished by: Stelacia Pace	On Ice? Y N	6/11/26	0754	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:				Air Bill Number:	Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)	
Lab Name: Pace Analytical	Lab WO:	Temperature on Receipt (°C): 3.3			Custody Seal Intact? ☐ Y ☐ N ☐ None		
Lab Location: MPLS							

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

Rel: 6/11/26 1050

Rec: 6/11/26 0800; 6/11/26 1050

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

BARR. Barr Engineering Co. Chain of Custody

Sample Origination State
☐ CO ☐ MI ☒ MN ☐ MO ☐ ND ☐ NV ☐ TX ☐ UT ☐ WI ☐ WY ☐ Other: _____

REPORT TO	INVOICE TO
Company: Barr Engineering Co.	Company: Same
Address: 325 S. Lake Ave	Address:
Address: Duluth, MN 55802	Address:
Name: Tristan Beaster	Name:
email: tbeaster@barr.com	email:
Copy to: BarrDM@barr.com	P.O.
Project Name: Hill Annex	Barr Project No: 23311657 100 300

COC Number: COC 3 of 3

Matrix Code: GW = Groundwater; SW = Surface Water; DW = Drinking Water; PW = Pore Water; WW = Waste Water; WQ = TB, FB, EB, etc.; W = Unspecified; S = Soil/Solid; SD = Sediment; SQ = MeOH blank; OTH = Other (Oil, etc.)

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Ascorbic Acid; J = Zn Acetate; K = Other

	Location	Sample Depth Start	Stop	Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Code	Perform MS/MSD Y / N	Total Number Of Containers	Analysis Requested: Water: SOIL - PVOCs (F)	SOIL - VOCs (F)	Soil: DRO (A)	GRO (F)	RCRA Metals (A)	PAHs (A)	PCBs (A)	% Solids	Preservative Code	Field Filtered Y/N	
1.	D-TP22-2	2	2.5	ft	06/09/2026	13:07	S	N	2									Hold	N	OR1
2.	D-TP24-1	0	1	ft	06/09/2026	16:10	S	N	2									Hold	N	OR2
3.	D-TP25-1	0	1	ft	06/09/2026	16:14	S	N	2									Hold	N	OR3
4.	D-TP27-1	0	1	ft	06/09/2026	16:20	S	N	2									Hold	N	OR4
5.	D-TP30-1	1.5	2.5	ft	06/10/2026	11:25	S	N	6		1	1	1	1	1	1		Ditch	N	OR5
6.	~~-TP-~~ Trip Blank-01				06/08/2026	14:35	WQ	N	2		1		1						N	OR6
7.	-TP						S													
8.	-TP						S													
9.	-TP						S													
10.	-TP						S													

BARR USE ONLY	Relinquished by:	On Ice? Y/N	Date	Time	Received by:	Date	Time
Sampled by: JSP							
Barr Proj. Manager: Tristan Beaster	Relinquished by: Jacob Pace	On Ice? Y/N	6/11/26	0754	Received by:	Date	Time
Barr DQ Manager: Jim Taraldsen							
Lab Name: Pace Analytical	Samples Shipped VIA: ☐ Ground Courier ☐ Air Carrier ☐ Sampler ☐ Other:				Air Bill Number:		
Lab Location: MPLS	Lab WO:	Temperature on Receipt (°C): 1.1			Custody Seal Intact? ☐ Y ☐ N ☐ None		

Requested Due Date: ☒ Standard Turn Around Time ☐ Rush _____ (mm/dd/yyyy)

Distribution: **Original (printed)** *Accompanies Shipment to Laboratory* **Print to PDF and email to:** *BarrDM@barr.com for tracking and filing procedures; DQ manager*

Rel: 6/11/26 1050

Rec: 6/11/26 0900; Pace 6/11/26 800

H:\AAN\Chain of Custody Form 2024 Rev. 04/12/2024

ENV-FRM-MIN4-0150 v21_Sample Condition Upon Receipt

Person Examining & Date: MRCF 6/15/26 **PROJECT #:**

WO#: 10777154
PM: CD3 Due Date: 06/25/26
CLIENT: BARR

Client Name: BARR

Custody Seal Present: ☐ YES ☑ NO **Seals Intact:** ☐ YES ☑ NO

Tracking Number: ☐ 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) ☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775) ☐ T9 (0428) ☐ 01339252 (0710)

Type of Ice: ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None

Temp Blank: ☑ YES ☐ NO

NOTE: Temp should be ≤ 6°C, but above freezing.

Read Temp w/Temp Blank: 1.1, 3.2 °C
Correction Factor: TRUE
Corrected Temp w/Temp Blank: 1.1, 3.2 °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, 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? **NOTE:** < 24 hrs if lab filter is requested for Dissolved LL-Mercury by 1631E.	☑	☐		4. If Fecal: ☐ < 8 hrs ☐ > 8 hr but < 24 hrs ☐ >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. 1-2
Correct Containers Used? – Pace Containers Used?	☑ ☑	☐ ☐	☐	8. 4, 4-8
Containers Intact?	☑	☐		9. 10-11
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. 15, 20, 25 Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? **(If NO, fill out section 11.)** Matrix: ☐ Oil ☑ Soil ☐ Water ☐ Other	☑	☐	☐	11. ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☑	12.

2)6oFV 1)TFV 7)VOAm

3, 5, 9
12-14
16-19
21-24
2)6oFV

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)** MRCF 6/15/26	☐	☑	☐	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: MRCF **Line:** 3

Person Contacted & Date/Time: _____ **PM Review & Date:** Craig D Douglas 06/16/2026

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

Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000115.D

Date : 19-JUN-2026 01:07

Client ID: D-TP28-1_0.8-2

Instrument: 10gcs9.i

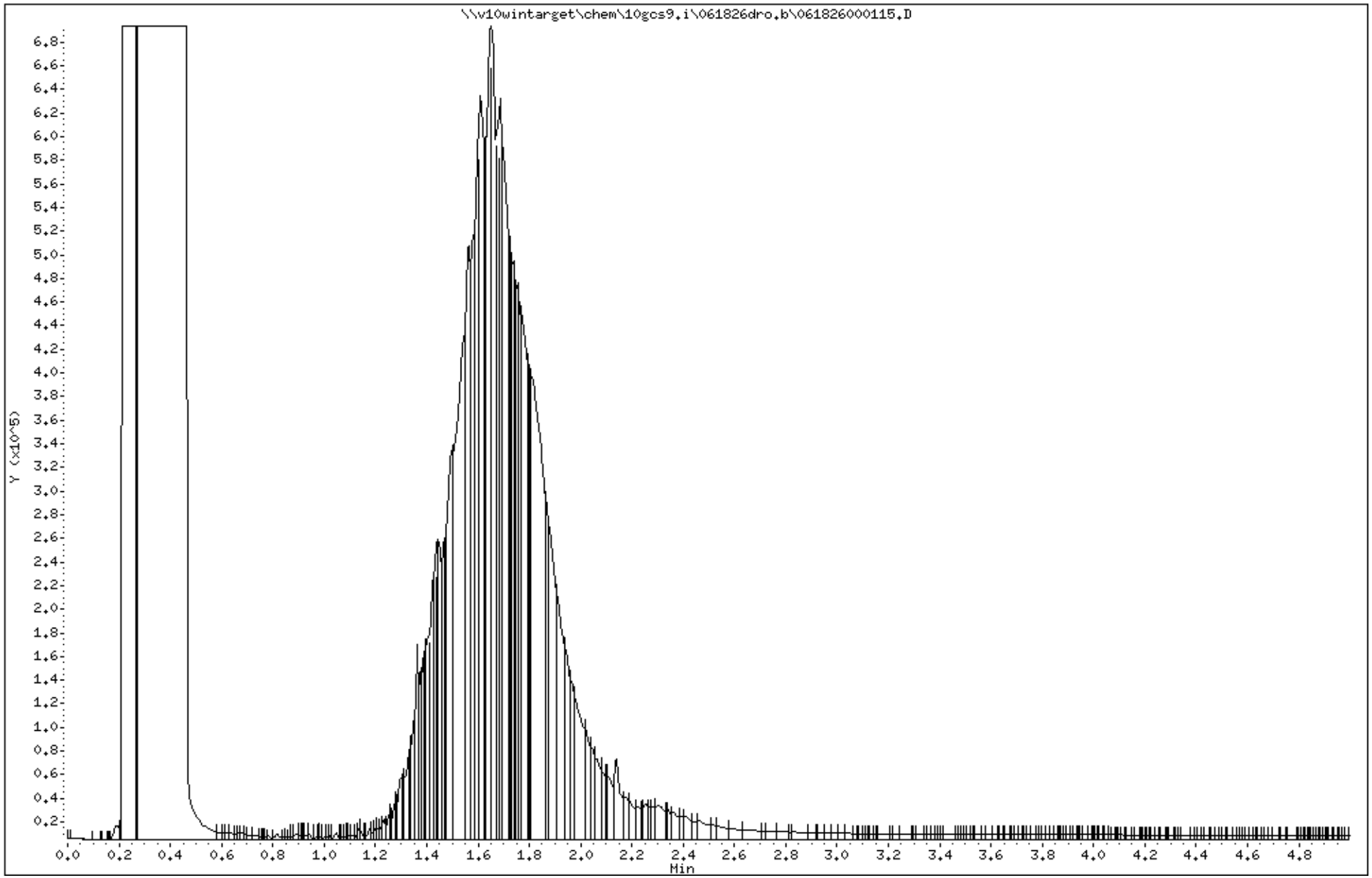
Sample Info: 10777154001X50

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000114.D

Date : 19-JUN-2026 01:00

Client ID: D-TP29-1_1.5-2.5

Instrument: 10gcs9.i

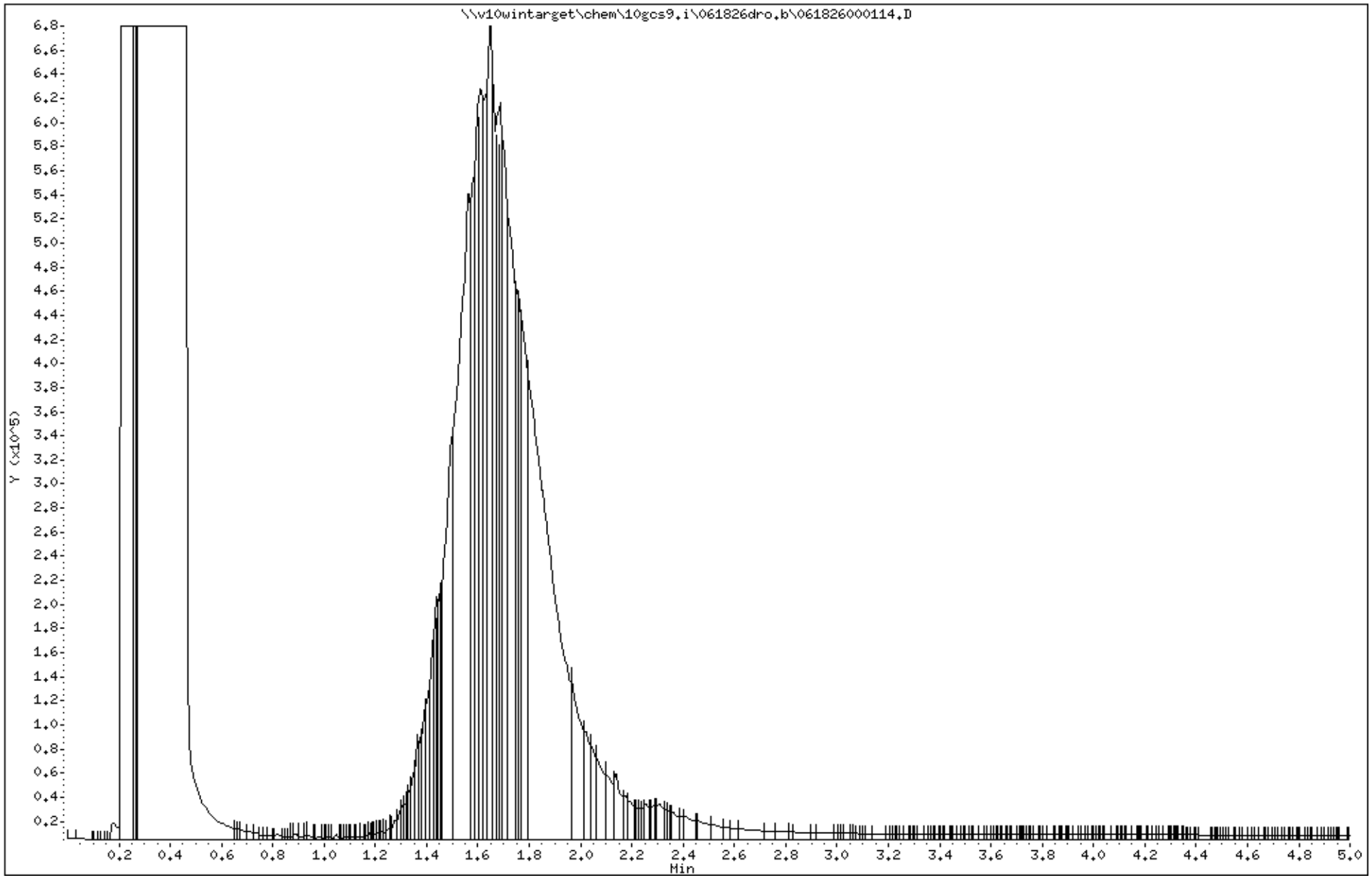
Sample Info: 10777154002X100

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000122.D

Date : 19-JUN-2026 01:56

Client ID: D-TP26-1_0-1

Instrument: 10gcs9.i

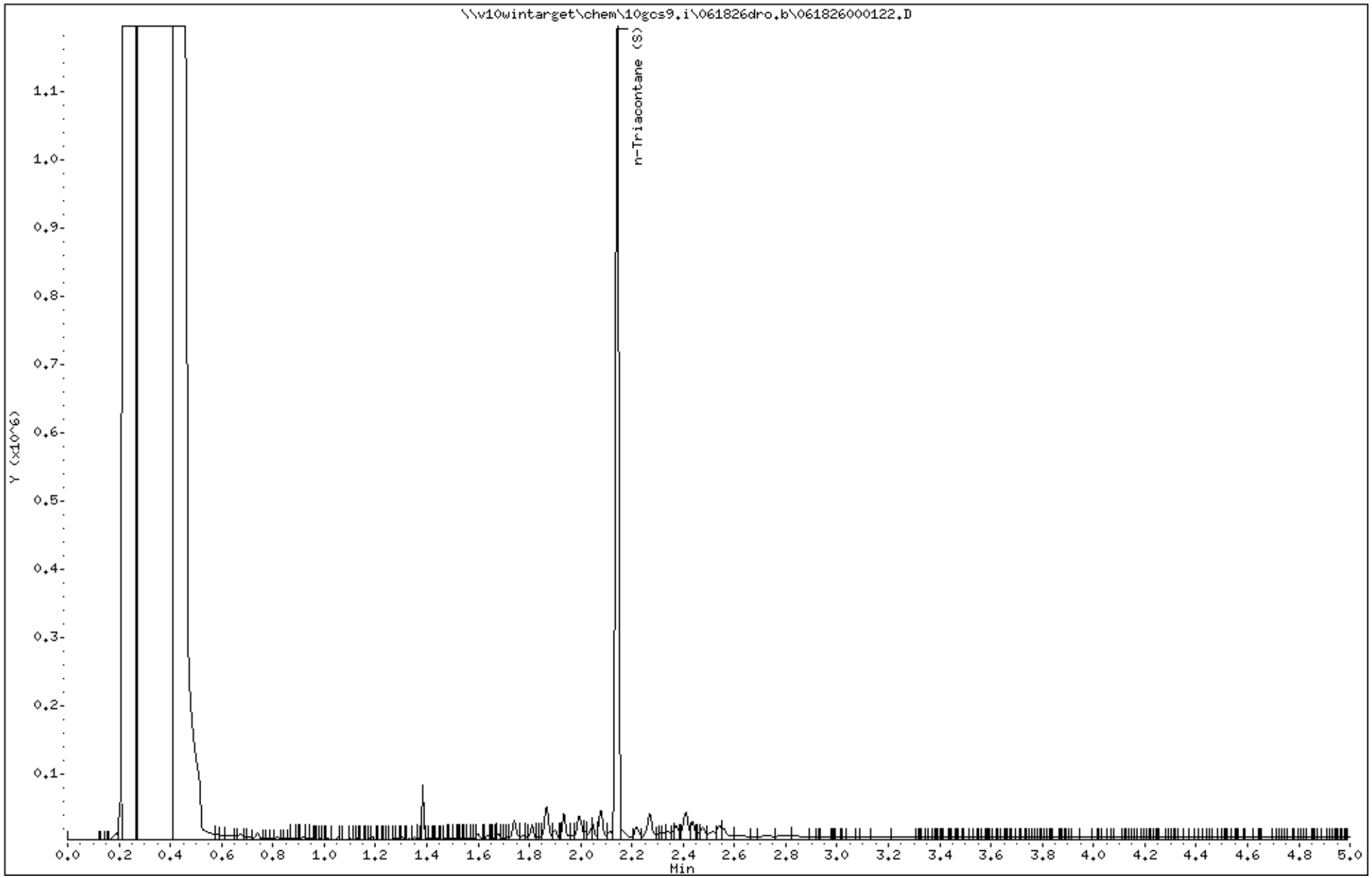
Sample Info: 10777154004

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000123.D

Date : 19-JUN-2026 02:03

Client ID: D-TP19-1_0-1

Instrument: 10gcs9.i

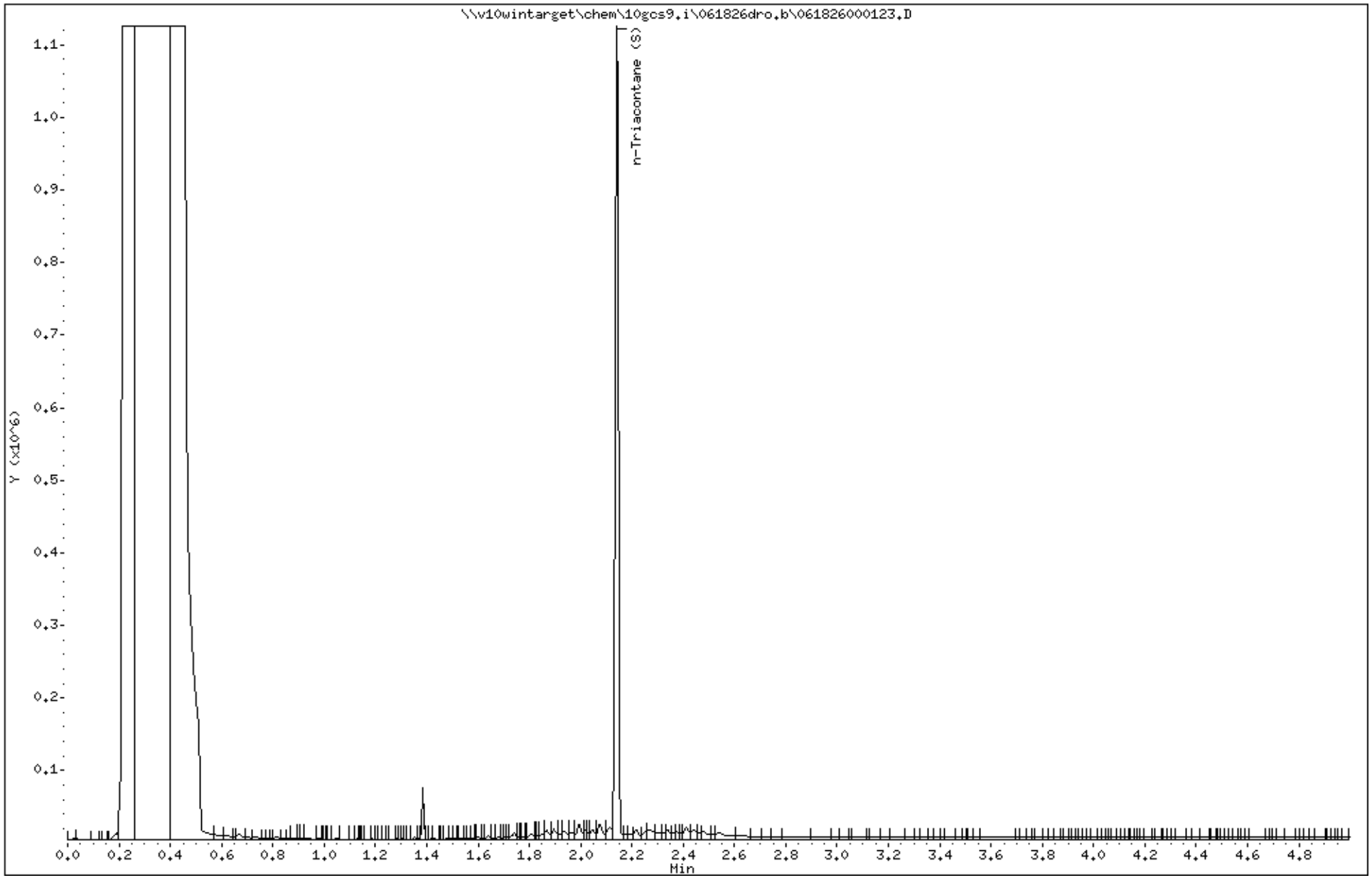
Sample Info: 10777154006

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000113.D

Date : 19-JUN-2026 00:53

Client ID: D-TP21-1_2.2-2.7

Instrument: 10gcs9.i

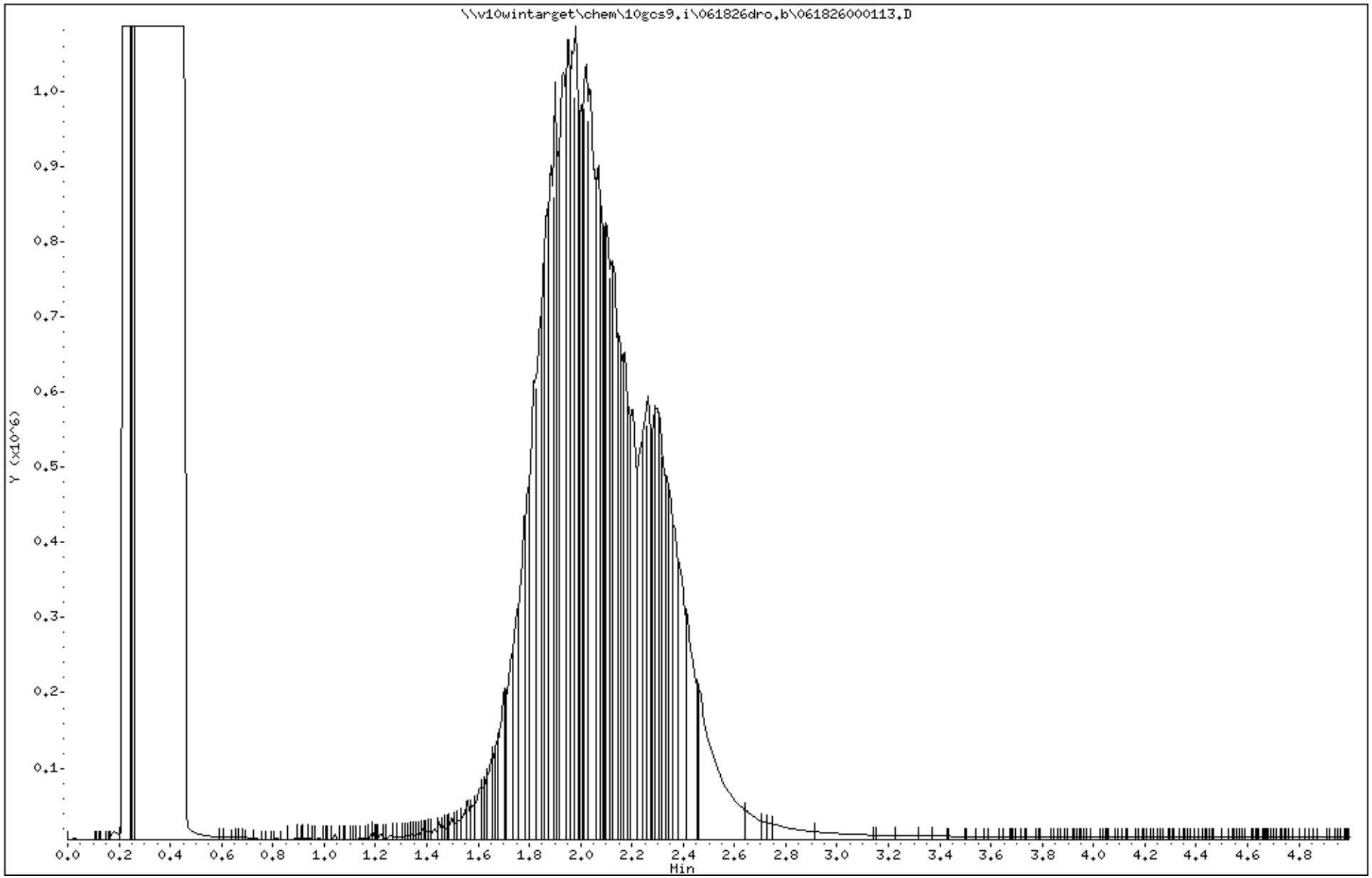
Sample Info: 10777154007X100

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000117.D

Date : 19-JUN-2026 01:21

Client ID: D-TP16-1_0-1

Instrument: 10gcs9.i

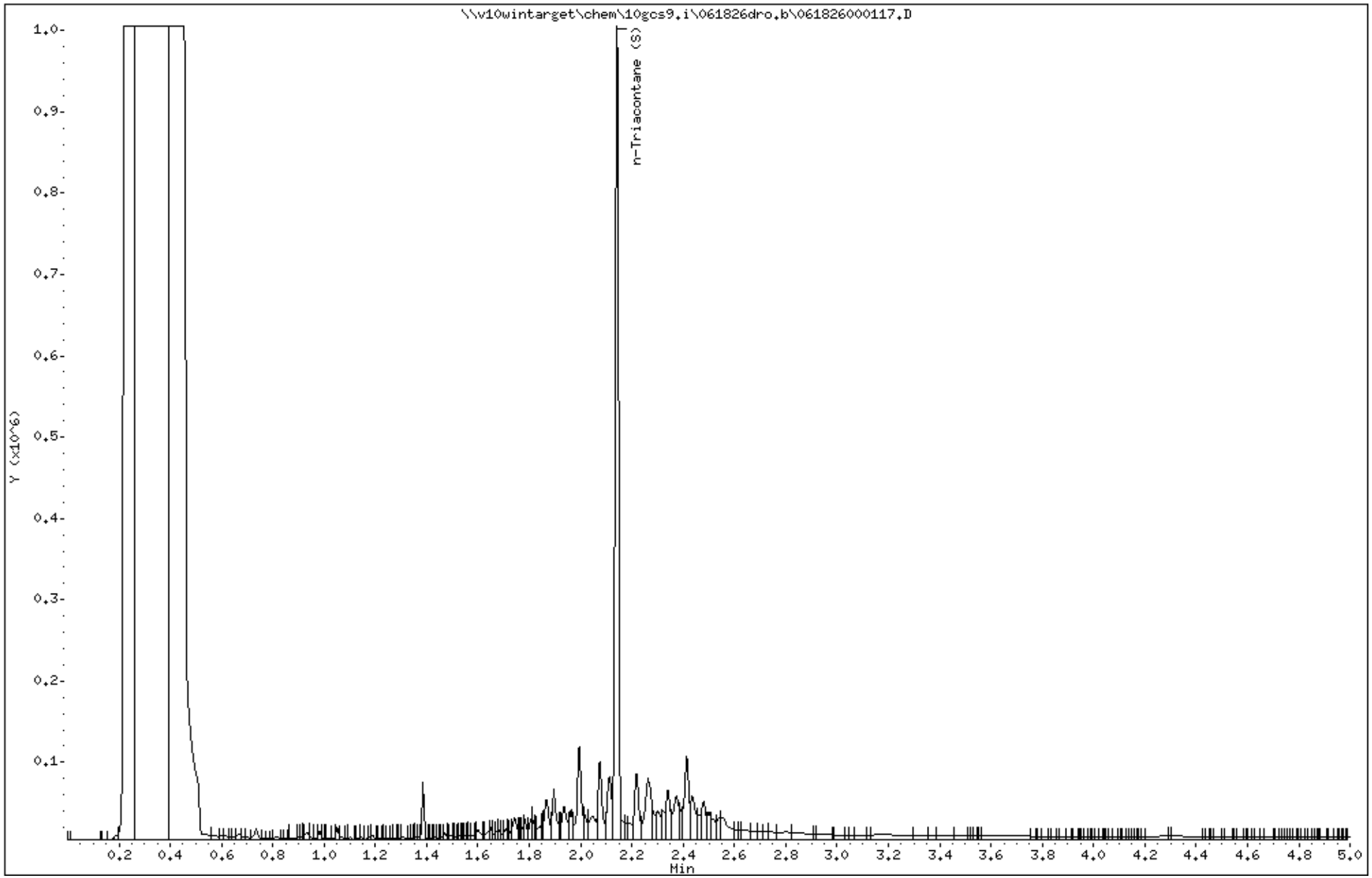
Sample Info: 10777154008

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000120.D

Date : 19-JUN-2026 01:42

Client ID: D-TP12-1_0-1

Instrument: 10gcs9.i

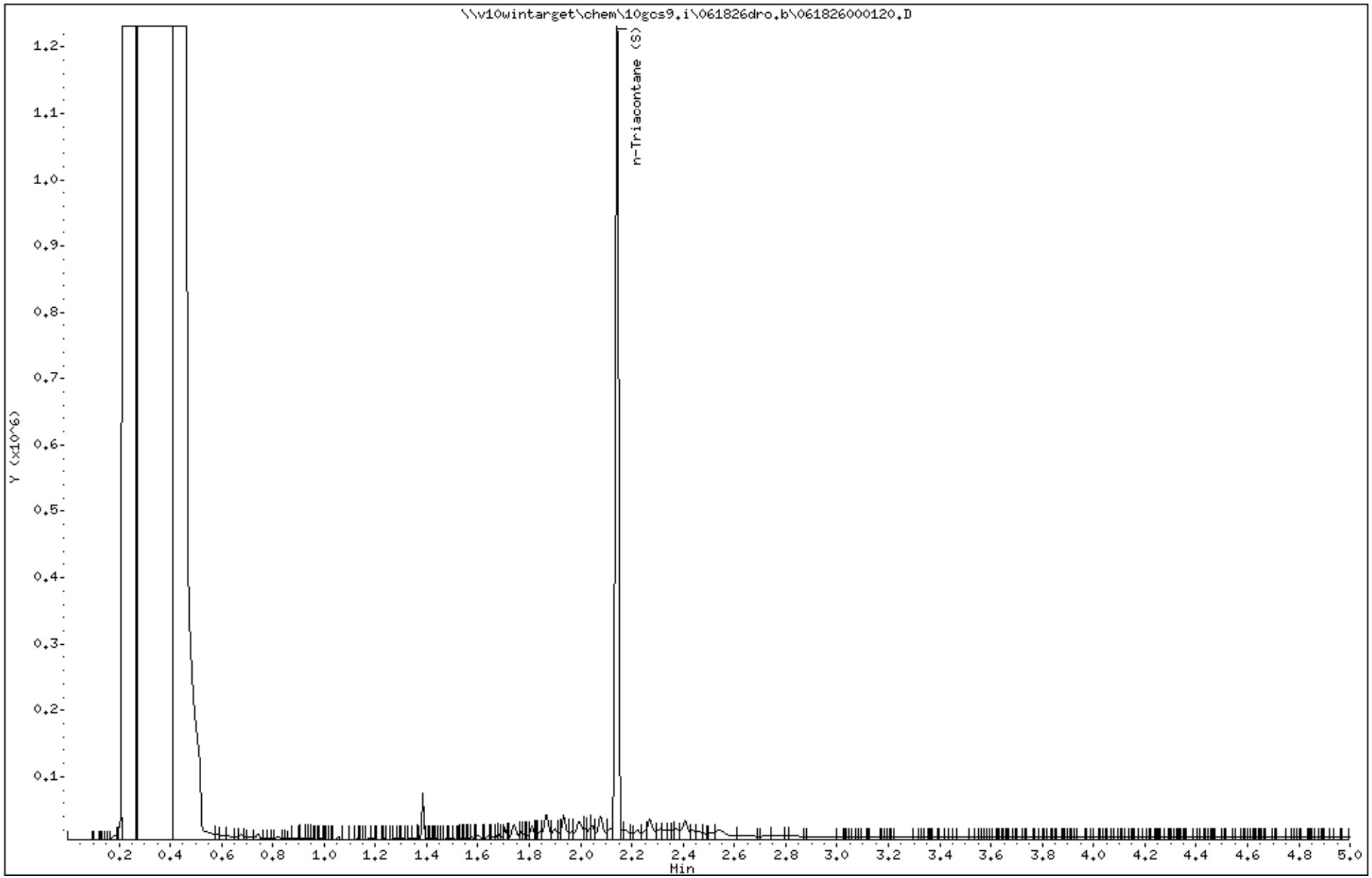
Sample Info: 10777154010

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000116.D

Date : 19-JUN-2026 01:14

Client ID: D-TP13-1_1-2

Instrument: 10gcs9.i

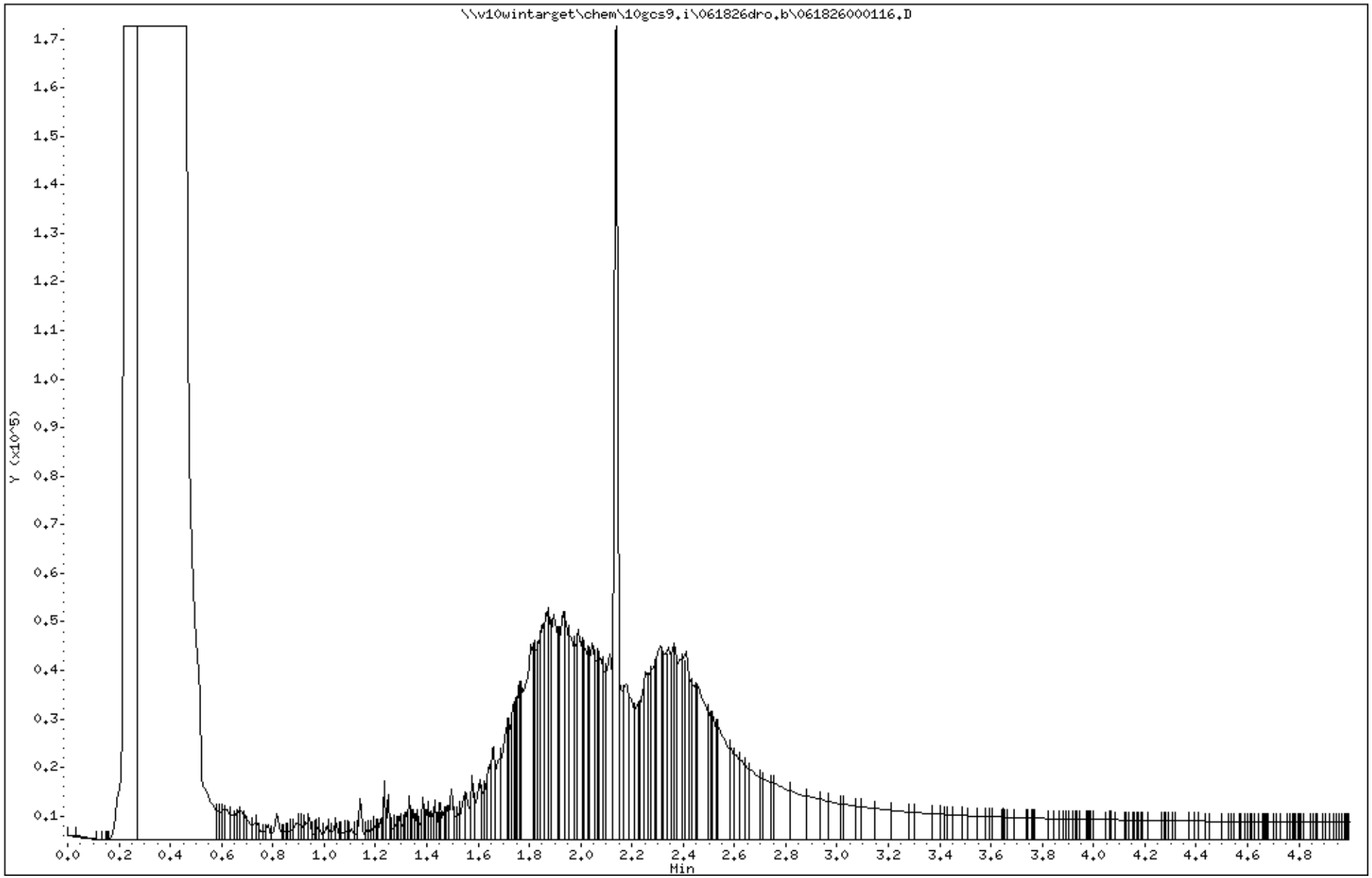
Sample Info: 10777154011X10

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000118.D

Date : 19-JUN-2026 01:28

Client ID: D-TP17-1_2-3.5

Instrument: 10gcs9.i

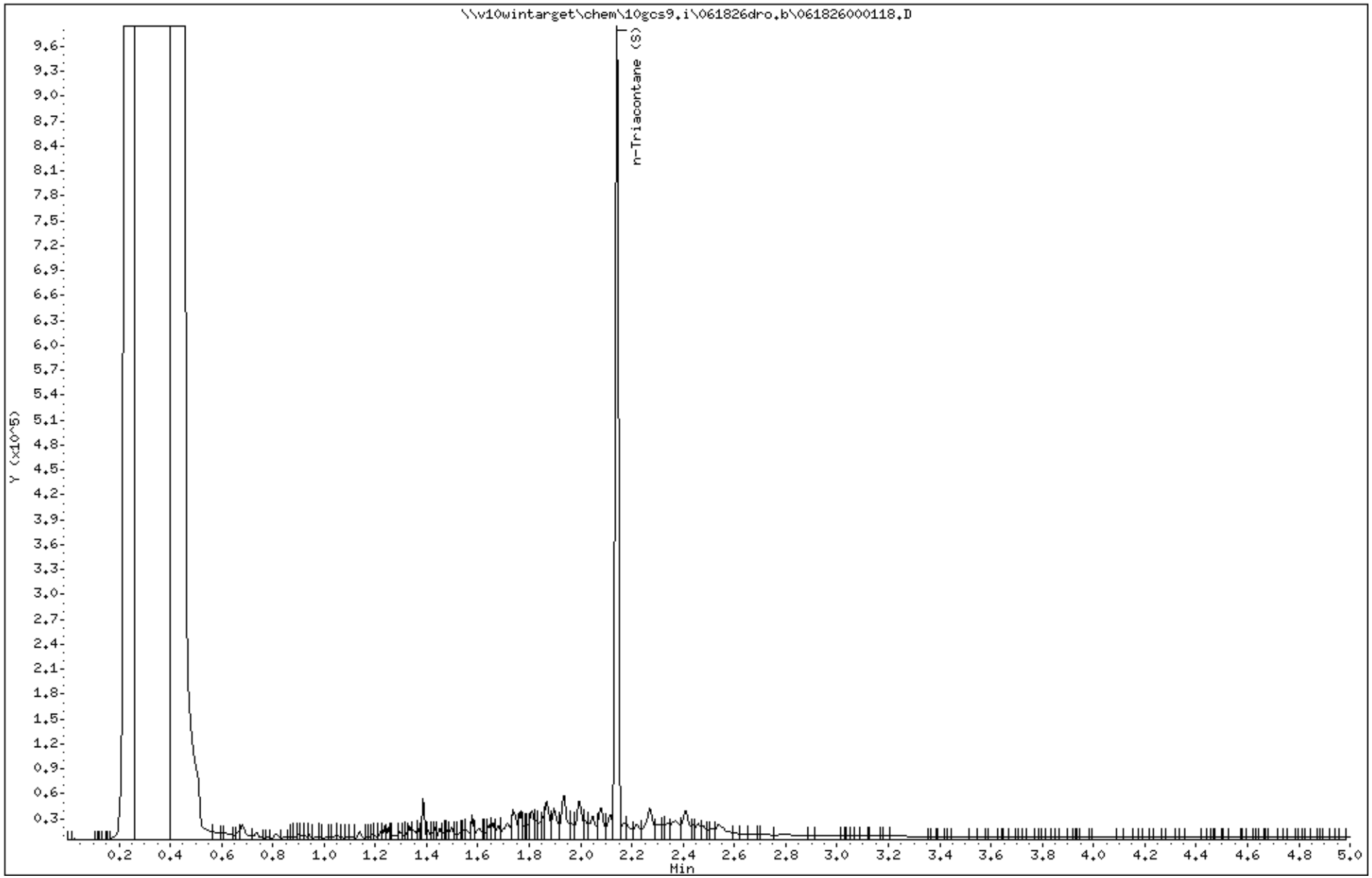
Sample Info: 10777154015

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000119.D

Date : 19-JUN-2026 01:35

Client ID: D-TP23-2_2-2.5

Instrument: 10gcs9.i

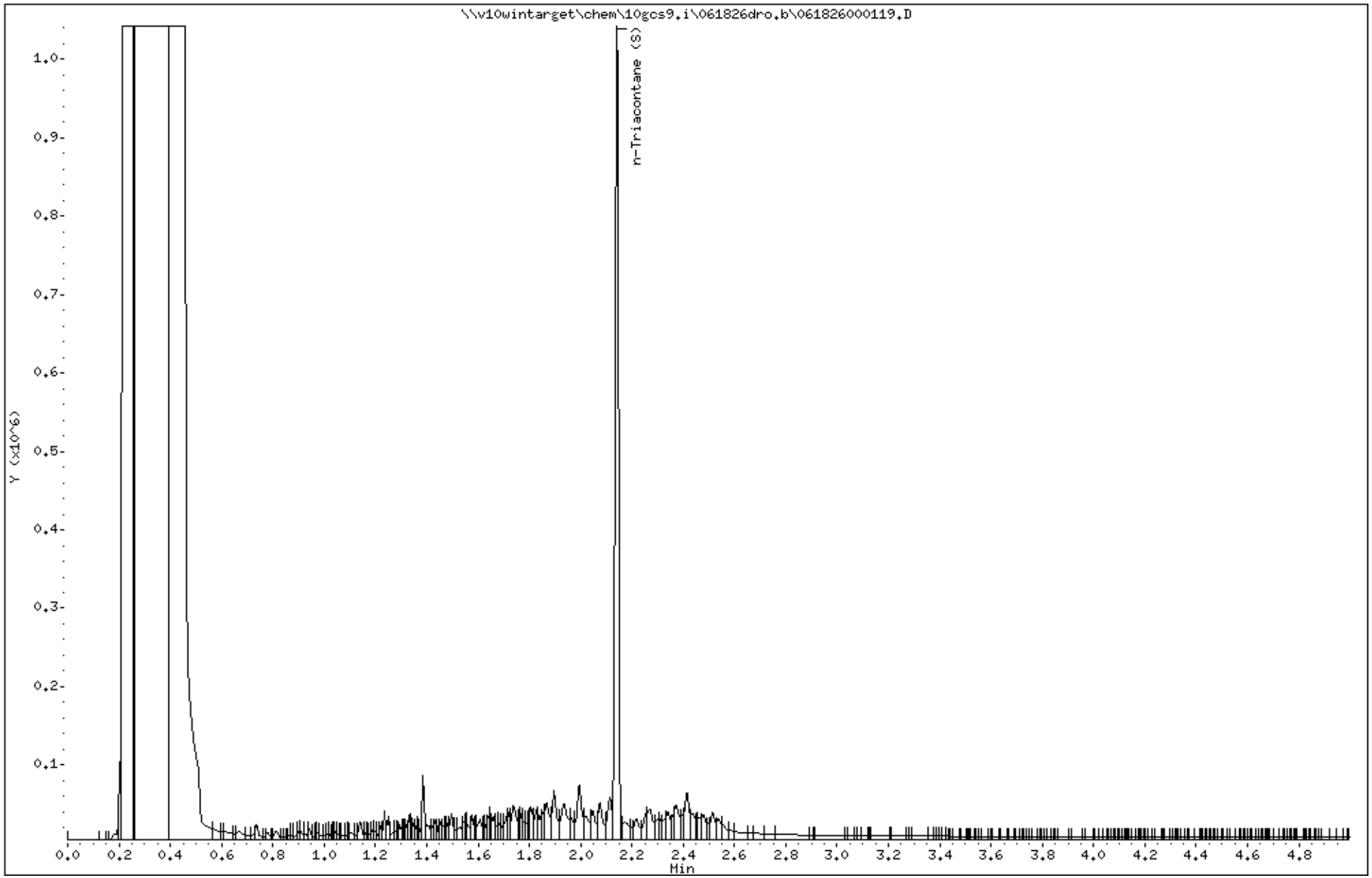
Sample Info: 10777154020

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcs9.i\061826dro.b\061826000121.D

Date : 19-JUN-2026 01:49

Client ID: D-TP31-1_1.5-2.5

Instrument: 10gcs9.i

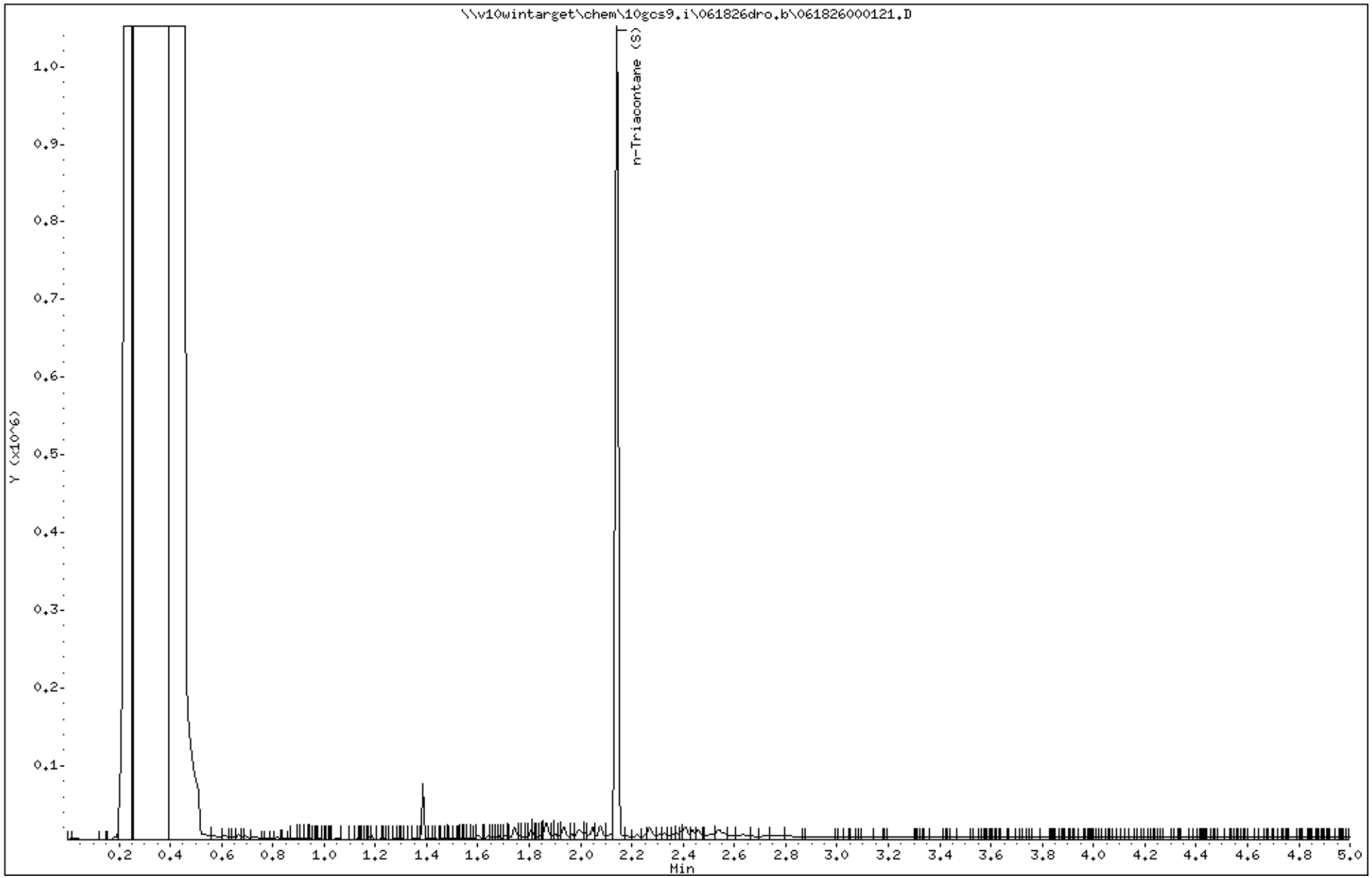
Sample Info: 10777154025

Volume Injected (uL): 1.0

Operator: TT2

Column phase: DB-5-US25400018

Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625057.D

Date : 26-JUN-2026 13:40

Client ID: D-TP28-1_0.8-2

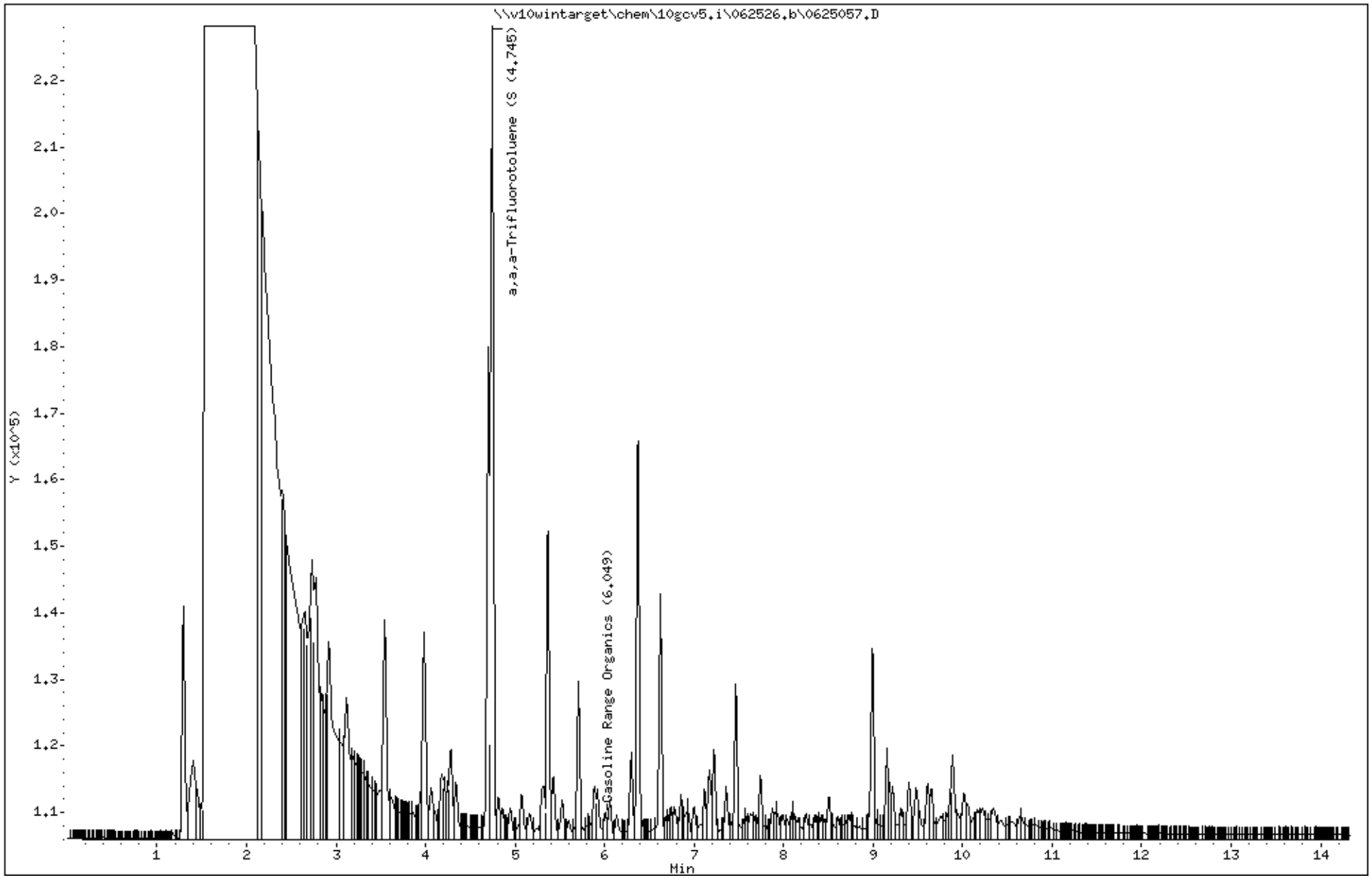
Sample Info: 10777154001,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18

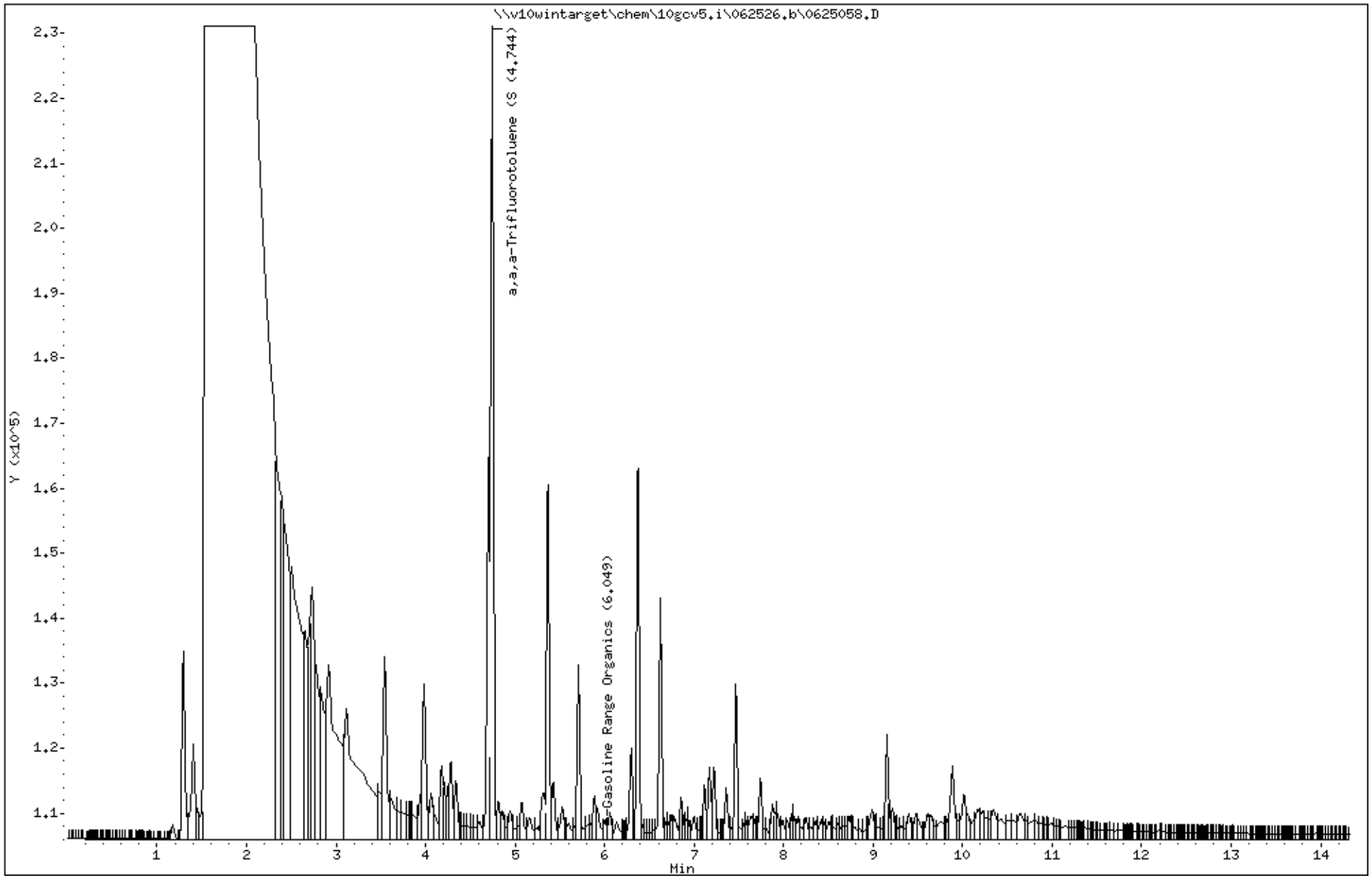


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Date : 26-JUN-2026 14:02
Client ID: D-TP29-1_1.5-2.5
Sample Info: 10777154002,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625059.D

Date : 26-JUN-2026 14:24

Client ID: D-TP26-1_0-1

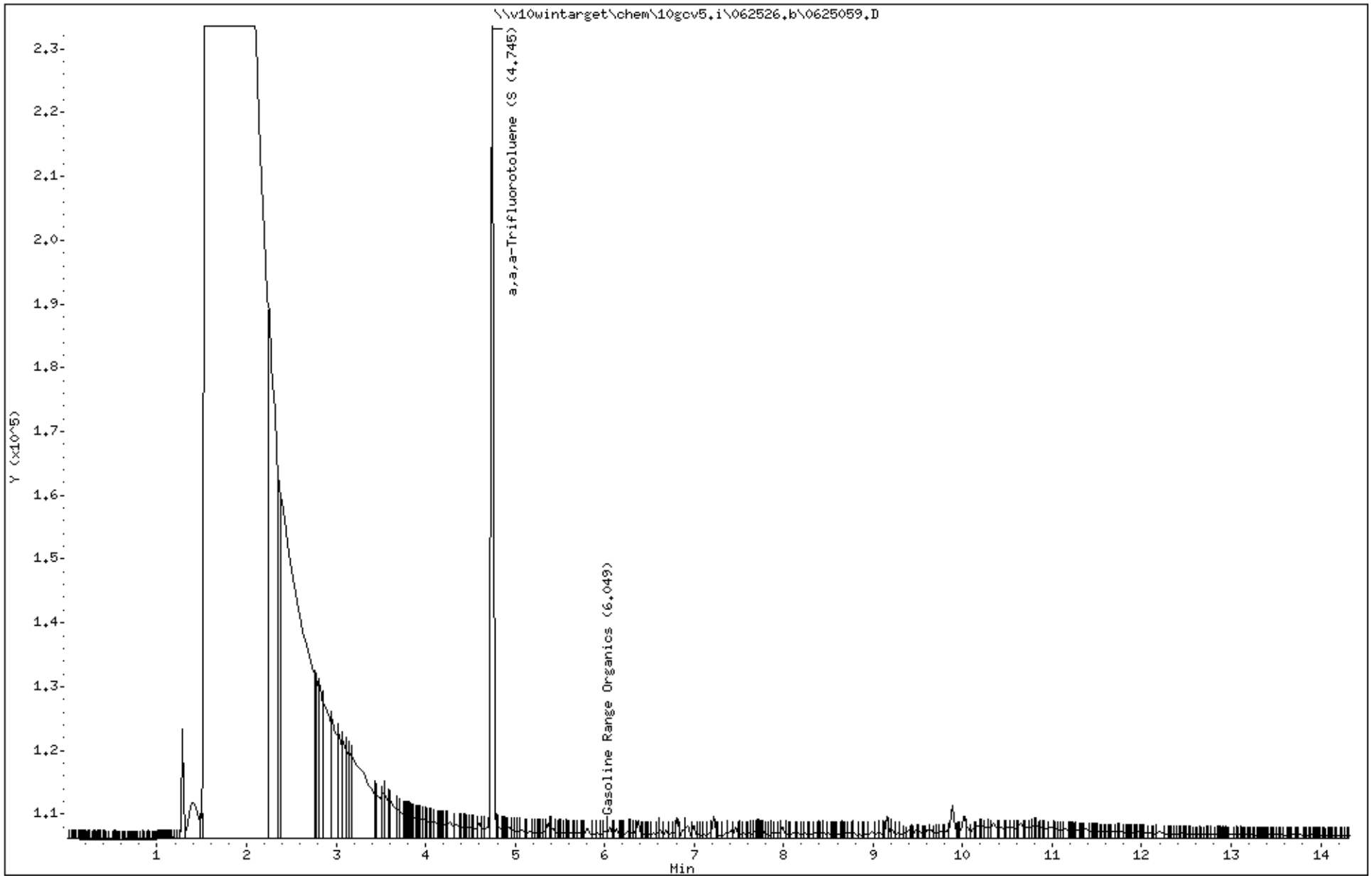
Sample Info: 10777154004,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625060.D

Date : 26-JUN-2026 14:46

Client ID: D-TP19-1_0-1

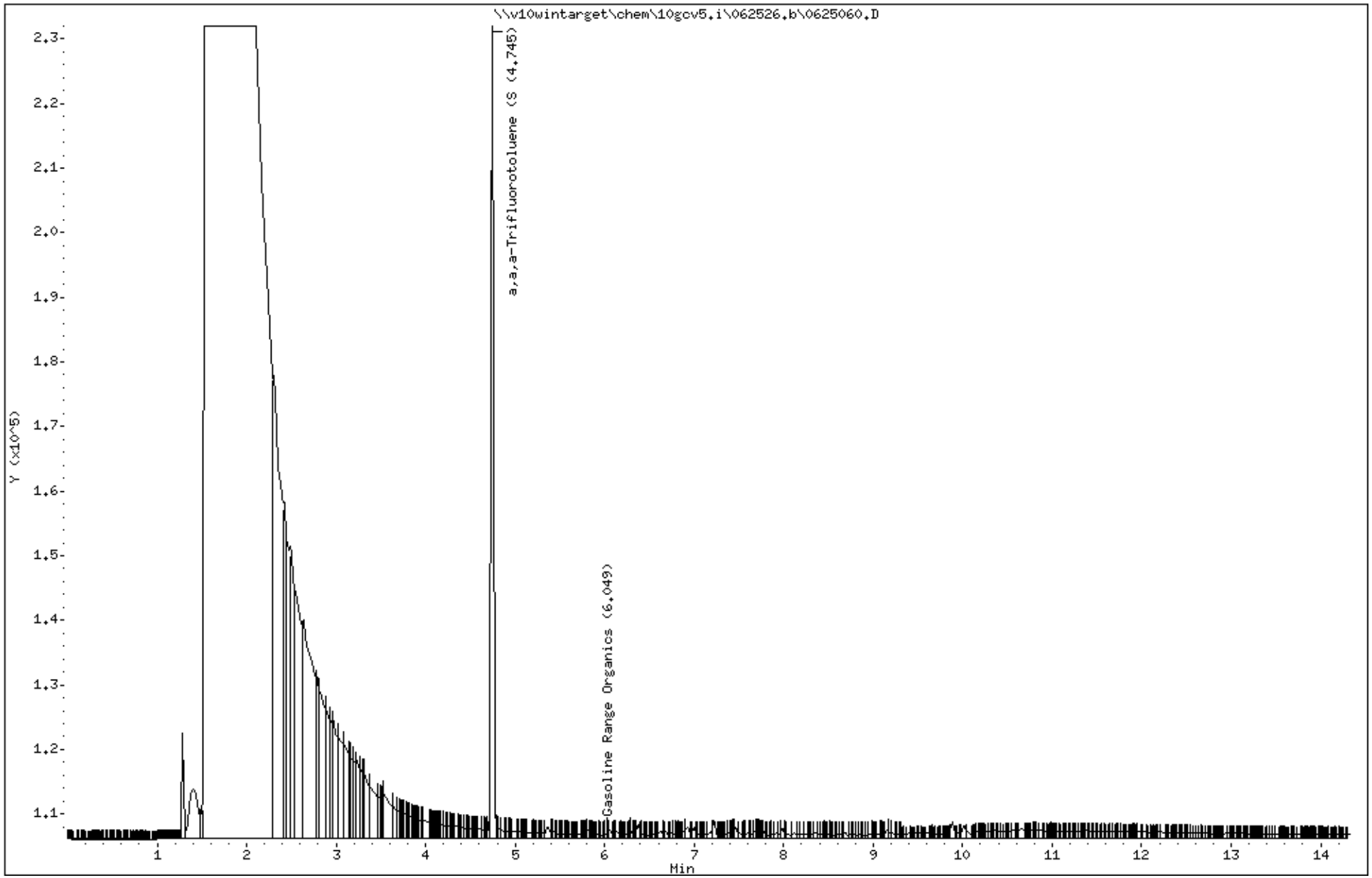
Sample Info: 10777154006,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625061.D

Date : 26-JUN-2026 15:08

Client ID: D-TP21-1_2.2-2.7

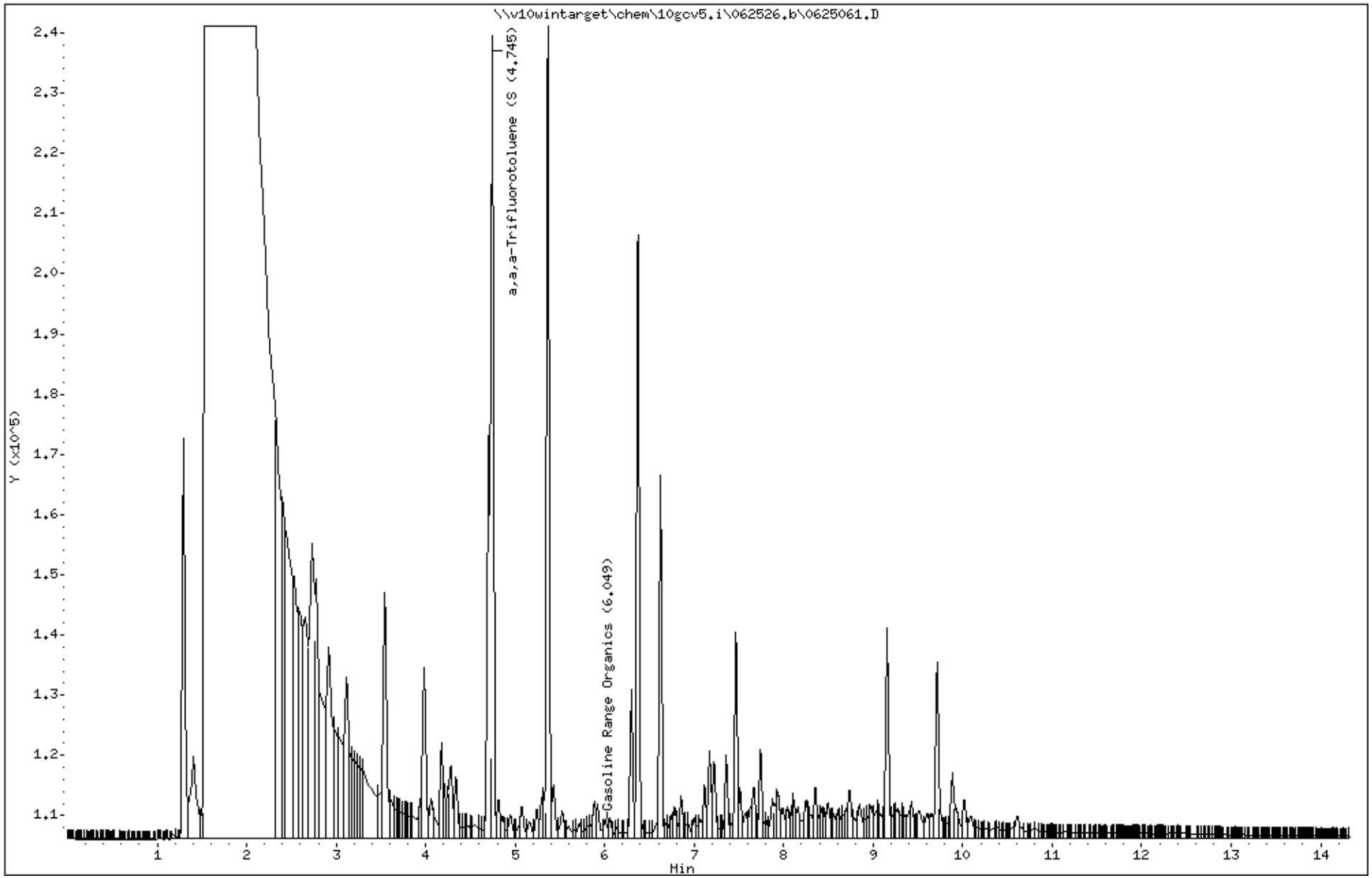
Sample Info: 10777154007,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625066.D

Date : 26-JUN-2026 16:57

Client ID: D-TP16-1_0-1

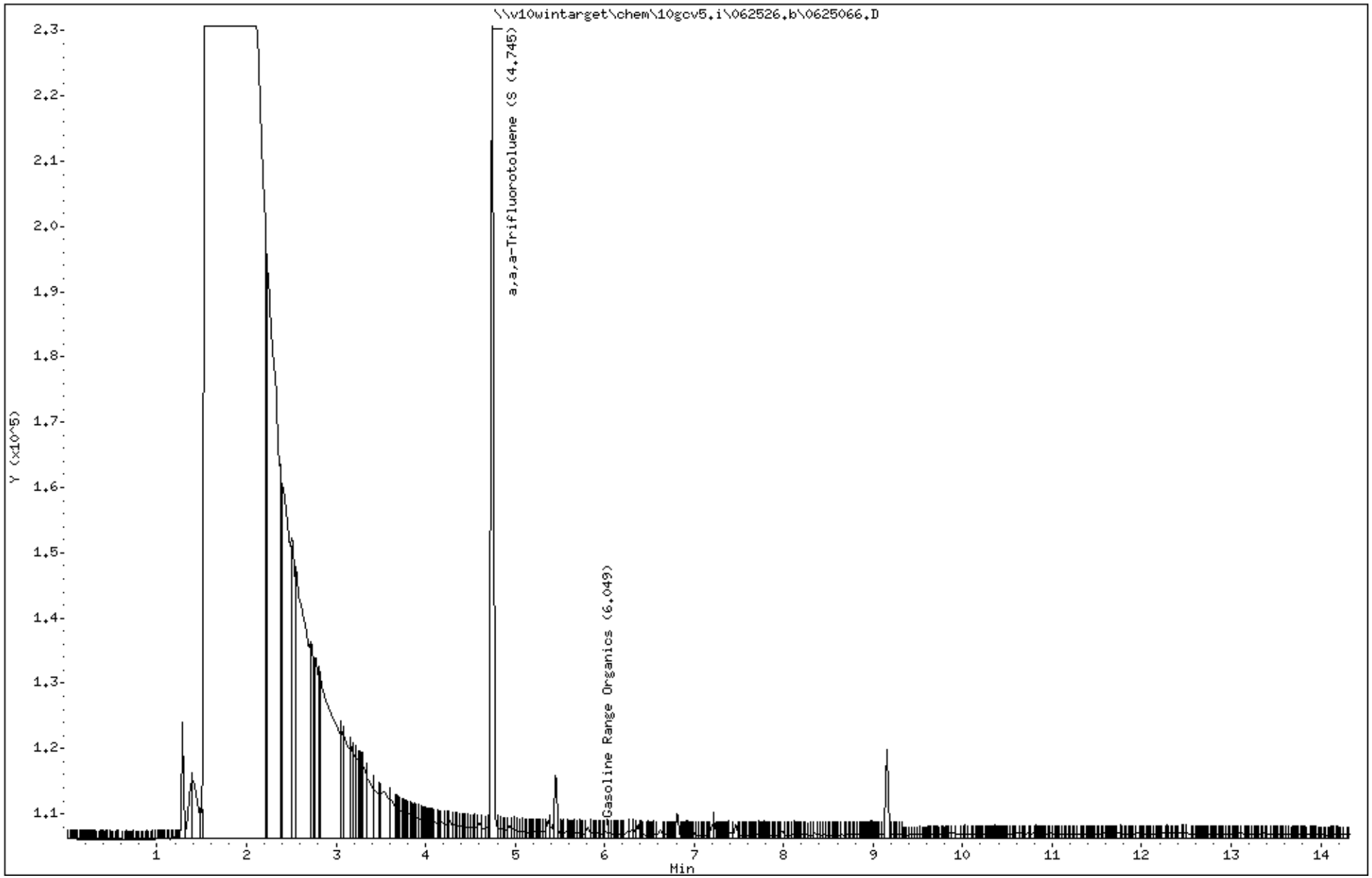
Sample Info: 10777154008,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625067.D

Date : 26-JUN-2026 17:19

Client ID: D-TP12-1_0-1

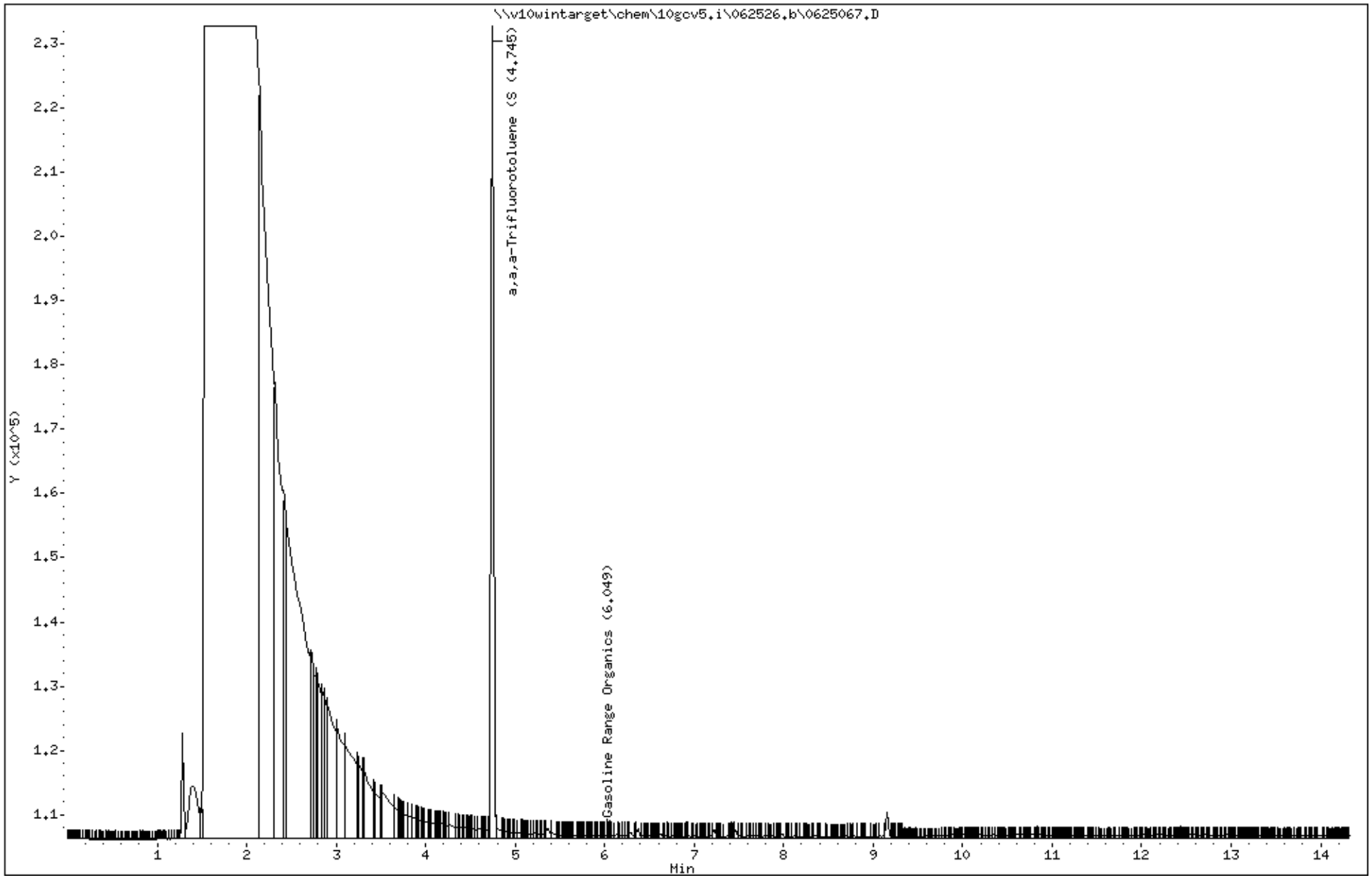
Sample Info: 10777154010,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625068.D

Date : 26-JUN-2026 17:41

Client ID: D-TP13-1_1-2

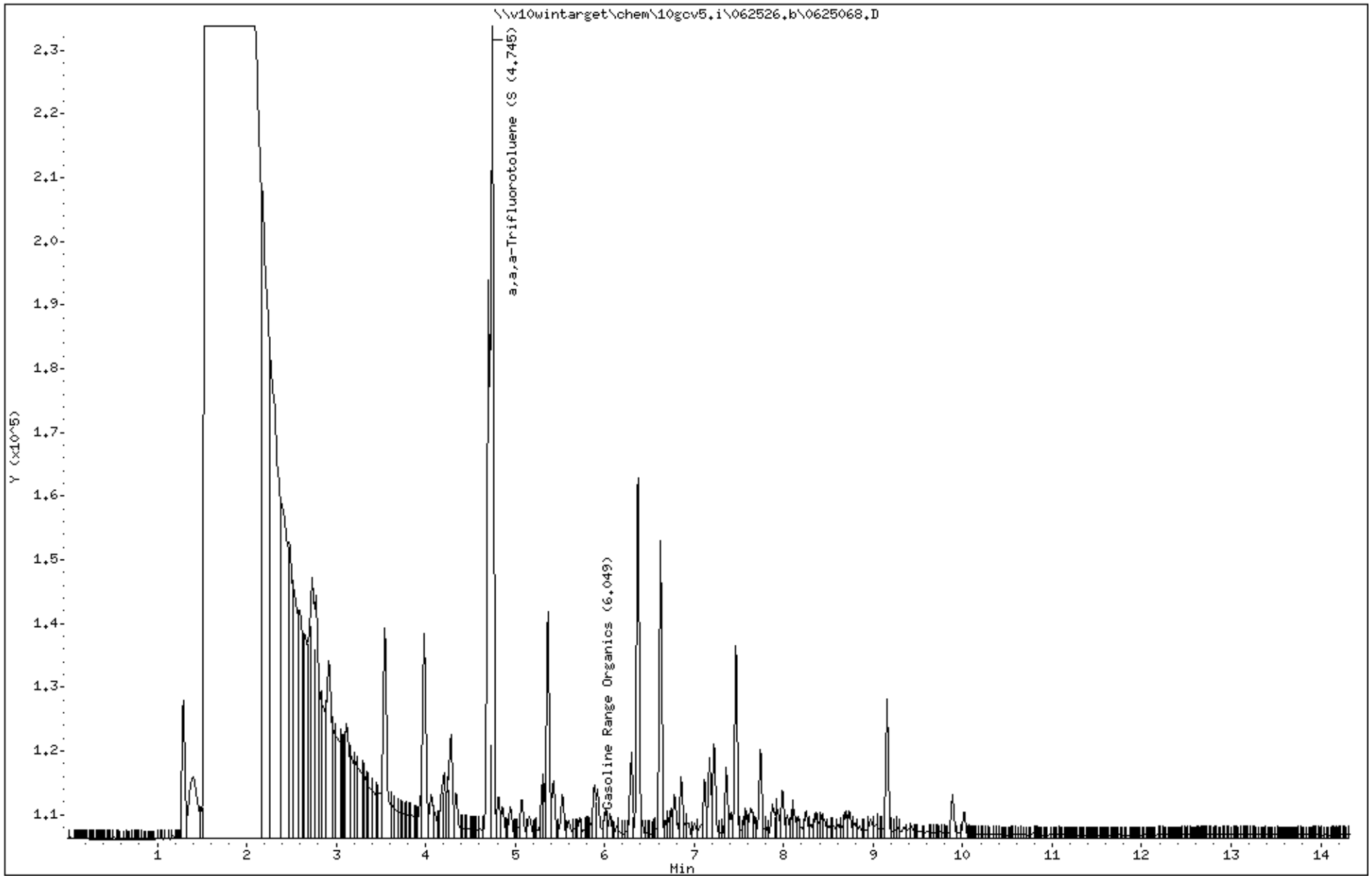
Sample Info: 10777154011,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18

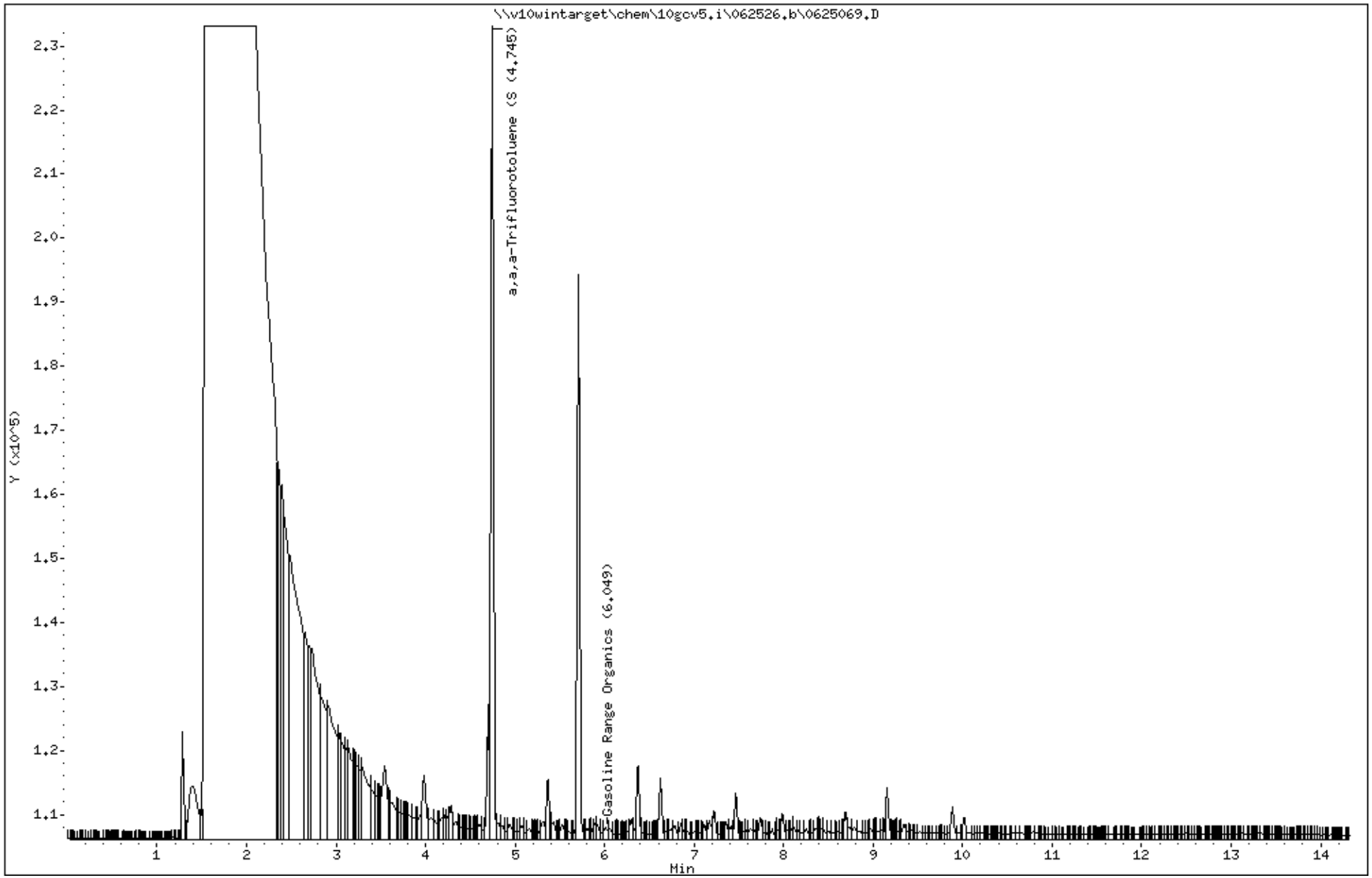


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Date : 26-JUN-2026 18:03
Client ID: D-TP17-1_2-3.5
Sample Info: 10777154015,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1
Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625070.D

Date : 26-JUN-2026 18:25

Client ID: D-TP23-2_2-2.5

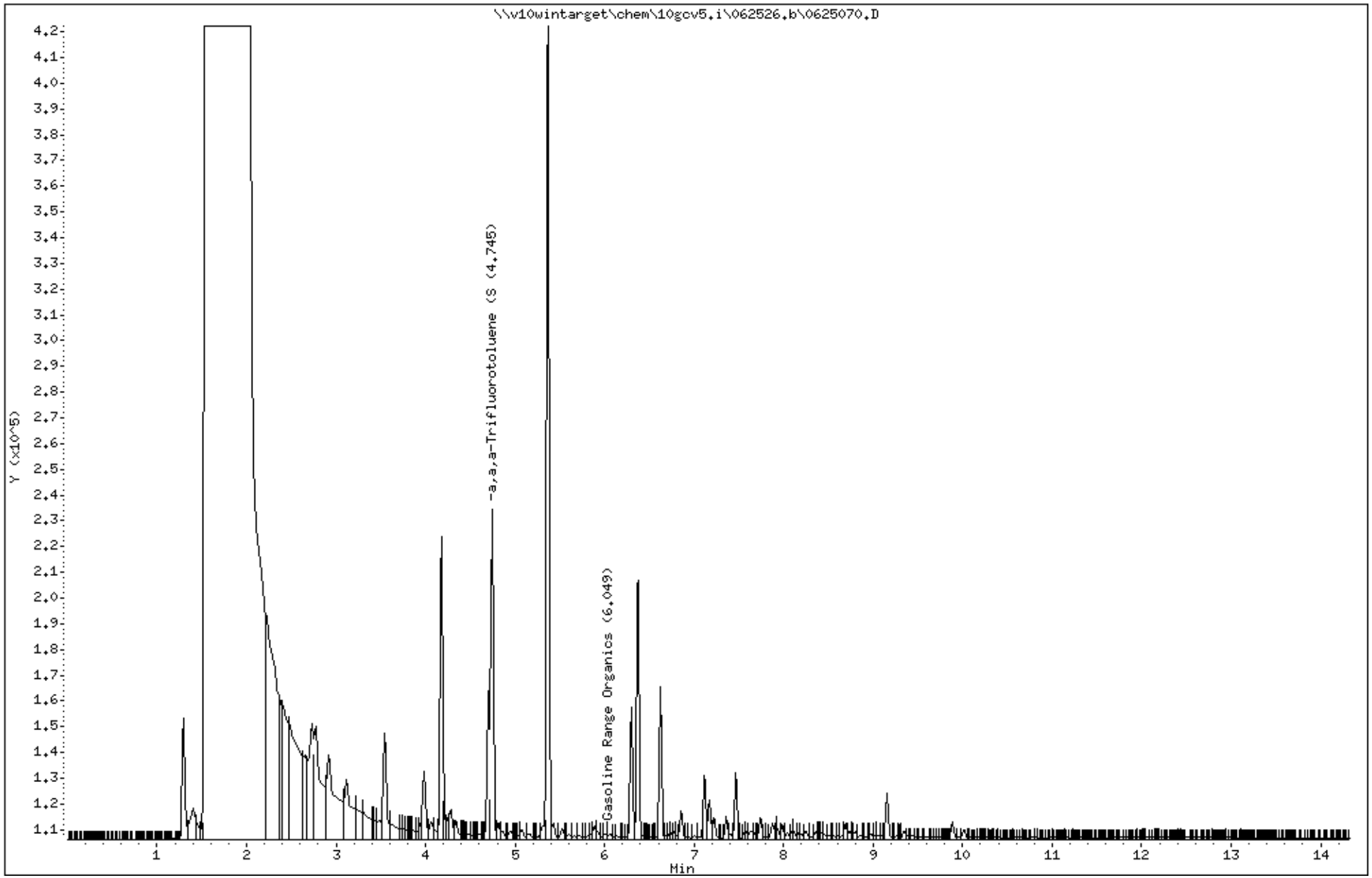
Sample Info: 10777154020,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625071.D

Date : 26-JUN-2026 18:47

Client ID: D-TP31-1_1.5-2.5

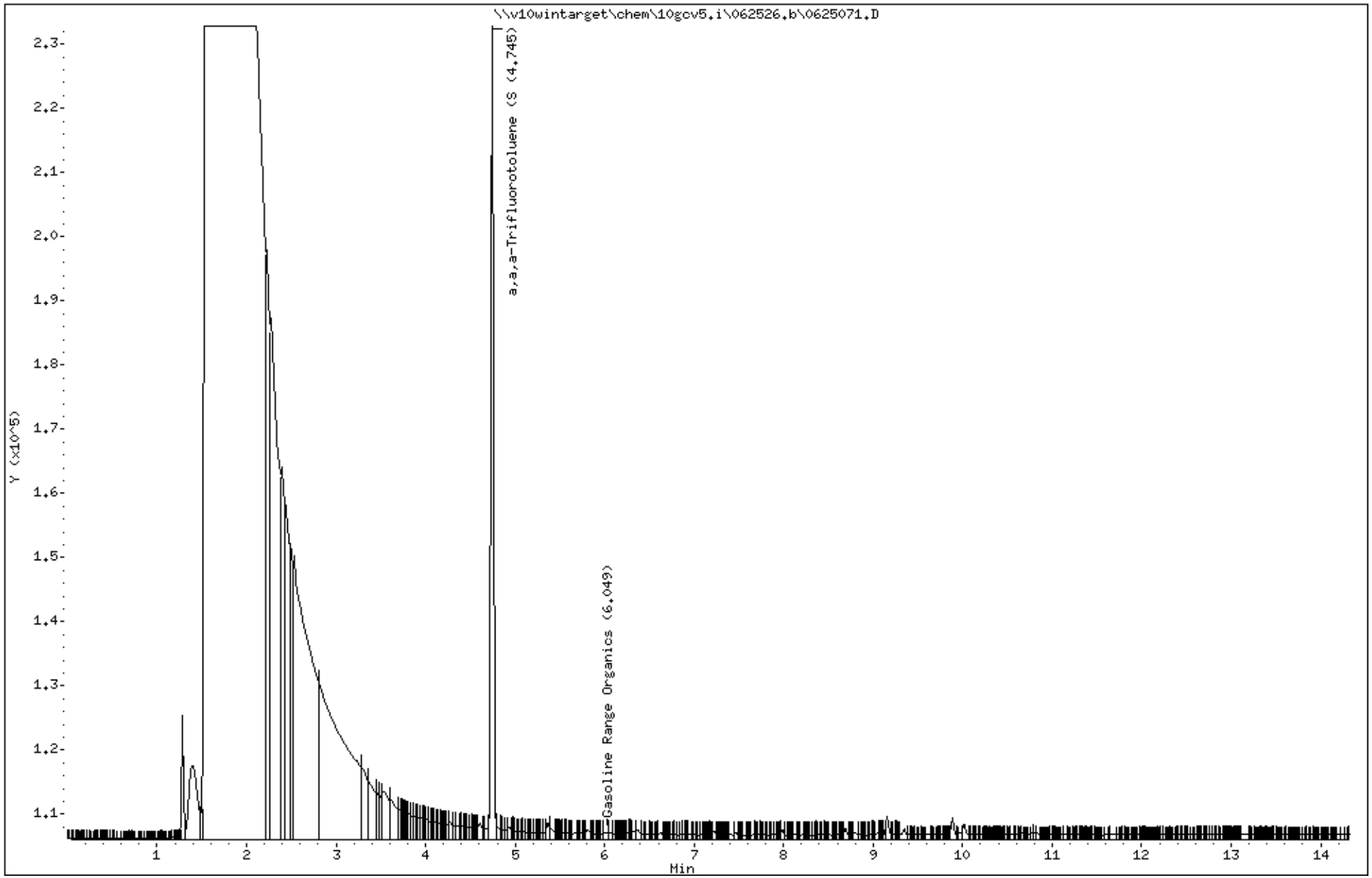
Sample Info: 10777154025,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv5.i\062526.b\0625072.D

Date : 26-JUN-2026 19:08

Client ID: Trip Blank-01

Sample Info: 10777154026,

Column phase: DB-624UI US3266025H

Instrument: 10gcv5.i

Operator: NJ1

Column diameter: 0.18

