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May 23, 2025; Revised June 16, 2025
File No. 16.0063603.04

Ms. Florencia Garza
SpartanNash Distribution LLC
850 76th Street
Grand Rapids, MI 49518

Re: Phase II Environmental Site Assessment Summary Report
103 & 145 Glendale Drive, Lead, South Dakota

Dear Ms. Garza:

GZA GeoEnvironmental, Inc. (GZA) is pleased to submit this Phase II Environmental Site Assessment (ESA) Summary Report for the referenced property (Subject Property). This Report was prepared for SpartanNash (Client/User) and the scope of work was developed based on the findings and conclusions of GZA's *Draft Phase I Environmental Site Assessment for 103 and 145 Glendale Drive, Lead, South Dakota* report dated March 14, 2025 (2025 Phase I ESA). This report may be relied upon by the Client, its successors, affiliates and lenders. Please note that this report is subject to the Limitations provided in **Attachment 1**.

BACKGROUND

The Subject Property consists of two contiguous tax parcels totaling approximately 3.5-acres. The Subject Property contains two commercial buildings consisting of a grocery store occupied by Lynn's Dakotamart and a gasoline filling station identified as Lynn's Dakotamart Gas, which currently features five underground storage tanks (USTs). A First National Bank branch is also located within the grocery store. The grocery store is part of a larger building and parent parcel which are not included in this assessment. Portions of the building and parcel which are not included are occupied by Ace Hardware, Vilas Pharmacy, and Bedrock Lanes.

Historical records indicate the Subject Property was developed with residential dwellings and structures associated with Fish & Hunter Co.'s Lumberyard by at least 1903. Around the 1910s, the southern half of the Subject Property was developed with various warehouses/transport operations, lumber storage, railroads, material platforms, and scrapyard associated with Homestake Lumber/Mining Co. The eastern half of the Subject Property was developed with a gasoline service station, reportedly from the early 1930s. The Subject Property remained in this configuration through the mid-1980s. It is also possible a National Guard garage/maintenance shop was also located on the Subject Property during this time; however, it appears likely the National Guard operated on the north adjoining property. In 1986, the Subject Property was redeveloped with the present-day multi-tenant commercial building, which since development has been occupied by various grocery stores, drug stores/pharmacies, and other commercial retail tenants which extend onto the north adjoining property. The automotive service and fueling operations remained until the building was converted to a convenience store and automotive repair operations ceased around 2000, followed by a new gasoline filling

station/convenience store building in 2012. Occupants of the Subject Property post 1980s redevelopment include grocery stores, other commercial tenants, and automotive service and fueling.

GZA's 2025 Phase I ESA identified four *recognized environmental conditions* (RECs) and one *controlled recognized environmental condition* (CREC) in connection with the Subject Property. The following RECs and CREC were identified in the 2025 Phase I ESA.

- *The east side of the Subject Property historically operated as an automotive service and gasoline filling station from approximately 1931 through around 1991. Early servicing activities on the Subject Property occurred prior to the advent of current regulations for hazardous waste generation and disposal, i.e. the Resource Conservation and Recovery Act (RCRA) of 1976. Waste handling and disposal practices from the service operations are not known and are unlikely to be identified in records. Limited soil sampling has been conducted on the east side of the Subject Property in former petroleum storage tank basins; however, sampling has not included volatile organic compounds, which are typically associated with solvents used in service operations. Based on the historical use of the property as an automotive service and filling station, especially prior to current regulations, there is a likelihood of material releases of hazardous substances and/or petroleum products to the Subject Property, which is a REC.*

- *The Subject Property currently features a gasoline filling station with five active USTs installed in 1991, 1995, and 2001. Previous investigations were identified during UST removal and/or installation activities, with the most recent sampling occurring in 2001. Based on the approximately 24 to 34 years of operation of the existing gasoline filling station, there is a likelihood of petroleum product releases to the subsurface as a result of long-term incidental drips, spills, overfills, or low volume leaks. Based on this, the long-term gasoline filling station operations and likely associated releases are a REC.*

- *The Subject Property was historically occupied by Homestake Lumber/Mining Co. from the early 1900s through the mid-1980s. Operations depicted in historical fire insurance maps include various warehouses/transport operations, lumber storage, railroads, material platforms, and a scrapyard. Early industrial activities on the Subject Property occurred prior to the advent of current regulations for hazardous waste generation and disposal (RCRA of 1976). Waste handling and disposal practices from historical operations are not known and are unlikely to be identified in records. Based on our experience, lumberyard operations commonly result in material releases of hazardous substances and/or petroleum products to the subsurface. In addition, it is our experience during this time period, it was not uncommon practice for rail lines and surrounding ground surfaces in railroad loading/unloading areas to be subject to dust and weed control methods which may have consisted of the application of petroleum products and hazardous substances, most notably polychlorinated biphenyl containing oil. The historical lumberyard and warehousing, freight, and storage operations on the Subject Property and associated likely releases of hazardous substances and petroleum products are a REC.*

- *The northeast adjoining property was identified with a railroad roundhouse, railroad car repair, gasoline filling stations, and/or automotive repair operations from the early 1900s through the mid-1990s. These features are often utilized for repair and maintenance of locomotives and equipment, and are commonly associated with releases of hazardous substances and petroleum products. A documented release of petroleum products was investigated from 1991 through 2005, but did not include an evaluation for hazardous substances from these historical operations. Based on the proximity to the Subject Property (less than 100 feet), it is likely releases from these operations would migrate onto the northeast corner of the Subject Property, which is a REC.*

- *The Subject Property was identified with three former petroleum releases which have been issued regulatory closure from the South Dakota Department of Environment and Natural Resources (DENR; now referred to as the Department of Agriculture and Natural Resources) with petroleum contamination likely remaining in soil on the Subject Property. The northeast adjoining property was also identified with a petroleum release that was issued regulatory closure from the DENR in 2005, with remaining soil and groundwater contamination on the adjoining property, and potentially extending beneath Glendale Drive. Based on the closed status of the releases with residual contamination remaining above unrestricted use criteria, GZA opines the identified releases are CRECs for the current land use. A significant change in land use (e.g. commercial to residential) may warrant a re-evaluation of environmental conditions.*

Based on the RECs identified in the 2025 Phase I ESA, GZA opined further investigation was warranted to determine if hazardous substances or petroleum products are present in soil or groundwater on the Subject Property at material concentrations. At the request of the Client/User, GZA evaluated the RECs identified in the 2025 Phase I ESA.

OBJECTIVE

The objective of this Phase II ESA, per ASTM International *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process, E1903-19* (ASTM E1903-19), is to assess whether there has been a material release of hazardous substances and/or petroleum products, and provide information relevant to identifying, defining and evaluating property conditions associated with target analytes that may pose risk to human health or environment, or risk of bodily injury to persons on the Site. This Phase II ESA included the evaluation of soil and groundwater analytical results to South Dakota Administrative Rules 74:56:05 and 74:54:01. This Phase II ESA scope of work did not include delineation of soil and groundwater contamination, if identified.

SCOPE OF SERVICES

GZA performed or subcontracted the following scope of services:

- Prepared a project-specific Health and Safety Plan in accordance with 29 CFR 1910.120;
- Coordinated between the Client and subcontractors, including utility location/clearance;
- Completed a ground penetrating radar (GPR) survey at the northwest corner of the Site to identify subsurface utilities or abandoned-in-place USTs;
- Advanced 10 soil probes at the Subject Property;
- Characterized, logged and screened soils within the soil probes;
- Collected soil samples from the soil probes;
- Submitted soil samples to a subcontracted laboratory for analysis;
- Data evaluation and interpretation
- Retain Minnesota Petroleum Services to conduct 3rd party tank and dispenser compliance testing; and
- Completion of this Summary Report.

SAMPLING COMPLETED

A subsurface assessment was completed by GZA at the Subject Property on April 22, 2025. The Phase II ESA conformed to ASTM E1903-19 in following industry standards. On April 8, 2025, GZA subcontracted Private Underground to clear subsurface utilities and soil probe locations at the Subject Property. Private Locate also completed a GPR survey along the north, west, and south sides of the gasoline station building to check for anomalies that may indicate an old UST or old UST basin. The GPR survey did not identify in-place USTs, and was inconclusive in identifying old UST basins. The soil probe locations were cleared and marked with high visibility paint. The sampling locations were selected based on the location of the current fueling tank basin and dispensers and historical locations of environmental suspect occupants such as auto repair, railroad, scrap yard, and maintenance shop.

On April 22, 2025, GZA observed the advancement of 10 soil probes (P-1 through P-10) by Bergerson-Caswell (Maple Plain, MN) using a direct-push GeoProbe® drill rig. Soil probes were advanced to maximum depths ranging from 7 to 19 feet below ground surface (bgs). Soil probes P-1 through P-4, and P-9 and P-10 were advanced on the western half of the Subject Property in the locations of the historical railroad, lumber, scrapyard, and mining operations. Soil probes P-5 through P-8 were advanced on the eastern half of the Subject Property in the vicinity of the current gasoline filling station operations, historical gasoline service station operations, and to evaluate for potential offsite migration of contamination from the northeast adjoining property. Refer to **Figure 1** for soil probe locations.

GZA staff made visual, tactile, and olfactory observations of recovered soils, checking for the presence of noticeable potential contamination. Soils were also field screened for VOCs using a MiniRAE Lite photoionization detector (PID) and logged in general accordance with ASTM D2488. The PID field screening results are presented on each probe log in parts per million by volume (total concentration as isobutylene) in the head space (air) over the soil tested. No detectable concentrations of VOCs (>10ppm) were identified during the PID screening in the soil probe locations sampled for analysis.

Surface materials in soil probes consisted of approximately 4-6 inches of asphalt depending on probe location, followed by approximately 1-2 feet of gravel or class 5 fill overlying sandy clay and silt intermixed with fine to medium grained sand, gravel, and rock to termination depths. Rock and weathered limestone bedrock refusal was encountered at depths ranging from 7.5 to 18 feet bgs. GZA collected a total of 17 soil samples from soil probes. Groundwater was not encountered in the soil probes. In lieu of groundwater samples, an additional soil sample was collected from the probe terminus in seven of the 10 soil probe locations. Refer to **Attachment 2** for soil probe logs.

The soil samples were placed in laboratory-provided containers and stored on ice until submittal under chain-of-custody to Pace Analytical Services, LLC (Minneapolis, MN) for analysis of volatile petroleum hydrocarbons (VPH) as gasoline range organics (GRO) and other individual components such as benzene, ethylbenzene, toluene, and xylenes (BETX) and methyl-tert-butyl-ether (MTBE) using Method OA-1, total petroleum hydrocarbons (TPH) using Method OA-2, volatile organic compounds (VOC) using EPA Method 8260D, polycyclic aromatic hydrocarbons (PAH) using EPA Method 8270 SIM, and the eight Resource Conservation and Recovery Act (8 RCRA) metals using EPA Method 6010/7471.

ANALYTICAL RESULTS

The soil analytical results were compared to South Dakota Tier 1 Action Levels and EPA Composite Worker Risk-Based Regional Screening Levels (RSL) for Soil. Concentrations of 1,2,4-trimethylbenzene, gasoline range organics (GRO), several metals, and numerous PAHs were detected in the soil samples analyzed at concentrations below their respective Tier 1 Action Levels and Composite Worker Risk-Based RSLs. Arsenic was detected in soil probes P-3 and P-4 at concentrations exceeding the Composite Worker Risk-Based RSL of 30 mg/kg. In addition, the soil from P-5 (2-4) detected TPH, Diesel Fuel Range, and Motor Oil Range at concentrations exceeding the Tier 1 Action Level of 500 mg/kg in soil. The soil analytical results are presented in **Table 1**.

The laboratory report and chain-of-custody documentation are provided in **Attachment 3.**

TANK COMPLIANCE TESTING

GZA retained Minnesota Petroleum Service to conduct 3rd party testing on the USTs and dispensers. The Subject Property features five USTs including three 4,000-gallon gasoline USTs, one 6,000-gallon gasoline UST, and one 6,000-gallon diesel UST. Minnesota Petroleum Service conducted the testing on June 4, 2025, which included the following inspections and tests:

- Mechanical/Electronic Leak Detection Certification;
- Volumetric Line Test Certification;
- UST automatic tank gauge inspection form;
- UST liquid sensor inspection form;
- UST overfill equipment inspection form;
- UST shear valve inspection form;
- UST secondary containment sump annual inspection form;
- Pressure calculation & water sensor calibration; and
- Containment Tightness Test Report

In summary, the USTs and dispensers passed the conducted tests, and no deficiencies or obvious indications of leaks or issues were noted with the USTs or dispensers.

SUMMARY

Based on the information gathered during this Phase II ESA, the RECs identified in the 2025 Phase I ESA have resulted in concentrations of arsenic and TPH in soil at the Subject Property above action levels. The detection of petroleum constituents on the Subject Property north of the current gasoline filling station building may indicate a historical petroleum release from the former petroleum UST(s). According to South Dakota Administrative Rules 74:34:01:04, the results of this Phase II ESA should be reported to the South Dakota Department of Agriculture & Natural Resources (DANR) at (605) 773-3296. A Tier 2 Assessment may be warranted.

GZA appreciates the opportunity to assist you with this project. Please let us know if you have any questions or need further information.

Sincerely,

GZA GeoEnvironmental, Inc.

Taylor Jewell
Scientist II

David Schultz, CPG
Senior Consultant

Loretta J. Powers, CHMM
Associate Principal

Attachments: Figure 1
Table 1
Attachment 1 – Limitations
Attachment 2 – Soil Probe Logs
Attachment 3 – Laboratory Analytical Report and Chain-of-Custody Form
Attachment 4 - Tank Compliance Testing Documentation

FIGURE



Legend

Approximate Property Boundary

Approximate Probe Location

Est. Direction of Water Table Gradient

Service Layer Credits: (c) Microsoft Corporation (c) 2023 Maxar (c) CNES

Lynn's Dakotamart and Gas

Figure 1
Soil Probe Locations

103 & 145 Glendale Drive
Lead, SD

GZA Project Number: 16.0063603.04
Fieldwork Date: April 8 & 22, 2025
Prepared For: SpartanNash Company

0 75 150
Feet

*Features depicted on this figure may not be shown in their actual locations and should be used only as a helpful guide in connection with full review of the report.

TABLE

Table 1

Soil Analytical Results (mg/kg)
OA-1/VOA, OA-2 TPH, RCRA Metals, PAH, PCB, SVOA, & VOC
145 Glendale Drive, Lead, SD

Sample ID	P-1 (2-4)	P-1 (6-7.5)	P-2 (4-6)	P-3 (2-4)	P-4 (2-4)	P-4 (6-7)	P-5 (2-4)	P-5 (10-11)	P-6 (8-10)	P-6 (12-14)	P-7 (2-4)	P-7 (18-19)	P-8 (12-14)	P-8 (16-18)	P-9 (2-4)	P-9 (6-7)	P-10 (2-4)	Tier 1 Action Levels	Composite Worker Risk-Based RSLs
Collection Date	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025	4/22/2025		
PID (ppm)	0.1	0.1	0	0	0.2	0.1	1.2	1.2	1.0	0.2	0.3	0.1	0.4	0.2	0.2	0.2	0.2		
VOA (GC) - Method OA1																			
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	50.8
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	254
Gasoline Range Organics	ND	ND	ND	ND	ND	ND	5.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	2050
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	46800
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	2490
Total Petroleum Hydrocarbons - Method OA-2																			
Total Petroleum Hydrocarbons	22.5	ND	ND	ND	ND	ND	2,080	113	24.1	ND	ND	ND	45.4	ND	ND	ND	ND	500	222 - 3,500,000
SVOA (GC) - Method OA-2																			
Diesel Fuel Range	ND	ND	ND	ND	ND	ND	1,290	143	ND	ND	ND	ND	27.4	ND	ND	ND	ND	500	NE
Fuel Oil #6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	NE
Hydraulic Fluid	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	NE
Kerosene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	NE
Mineral Spirits	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	NE
Motor Oil Range	ND	ND	ND	ND	ND	ND	2,610	291	69.7	ND	ND	ND	123	ND	ND	ND	ND	500	NE
PCBs																			
Various PCBs	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	ND	---	NE
RCRA METALS																			
Arsenic	17.4	NT	15.5	38.2	33.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	18.6	NT	29.5	---	30
Barium	130	NT	259	274	217	NT	NT	NT	NT	NT	NT	NT	NT	NT	2,210	NT	291	---	217,000
Cadmium	0.27	NT	ND	ND	0.75	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	0.41	---	99.7
Chromium	22.5	NT	30.4	14.4	18.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	14.0	NT	43.3	---	NE
Lead	14.0	NT	13.9	18.5	12.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	25.6	NT	17.7	---	NE
Selenium	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	ND	---	5,840
Silver	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	ND	---	5,840
Mercury	0.040	NT	0.083	0.11	0.076	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.068	NT	0.055	---	29.9
PAHs																			
Acenaphthene	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	45,200
Acenaphthylene	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	NE
Anthracene	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	226,000
Benzo (a) anthracene	ND	NT	ND	ND	0.0183	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	NE
Benzo (a) pyrene	ND	NT	ND	ND	0.0195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	21
Benzo (b) fluoranthene	ND	NT	ND	ND	0.0274	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	211
Benzo (g,h,i) perylene	ND	NT	ND	ND	0.0179	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	NE
Benzo (k) fluoranthene	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	2,111
Chrysene	ND	NT	ND	ND	0.0212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	21,111
Dibenz (a,h) anthracene	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	21
Fluoranthene	ND	NT	ND	ND	0.0267	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	30,100
Fluorene	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	30,100
Indeno (1,2,3-cd) pyrene	ND	NT	ND	ND	0.0159	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	211
Naphthalene	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	25	86
Phenanthrene	ND	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	NE
Pyrene	ND	NT	ND	ND	0.0291	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	---	22,600
VOCs																			
Various VOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	Varies
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	0.0633	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	1,770

###	= Value exceeds Tier 1 Action Level
###	= Value exceeds Worker Risk-Based RSL
RSL	= Reference Soil Level
mg/kg	= milligrams per kilogram
NT	= Not Tested
NE	= Not Established
ND	= Not Detected

ATTACHMENT 1 - LIMITATIONS

LIMITATIONS

Use of Report

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the report or agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

Standard of Care

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).
3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state, or federal agency.
4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the report.

Subsurface Conditions

5. The generalized soil profile(s) provided in our report are based on widely spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.
6. Water level readings have been made, as described in this report, in and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the report.

Compliance with Codes and Regulations

7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

Screening and Analytical Testing

8. GZA collected environmental samples at the locations identified in the report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.
9. Our interpretation of field screening and laboratory data is presented in the report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.
10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the report.

Interpretation of Data

11. Our opinions are based on available information as described in the report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the report.

ATTACHMENT 2 - SOIL PROBE LOGS

GZA GeoEnvironmental
7505 Metro Boulevard, Suite 300
Edina, MN 55439
952-893-7931

PROBE NUMBER P-1

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-6") ASPHALT (6"-1.0') SAND; f-c, some gravel, brown, moist, slight odor. (1-2.5') CLAY; some gravel, brown to grey, moist.			0.1	90
		(2.5-4') SAND; f-c, with rock fragments, dark brownish grey, moist.	1	P-1 (2-4)	0.1	90
		(4-7.5') SAND; f-c, some clay and rock fragments, dark brownish grey, moist. Clay content increases after 6'.			0.2	80
5			2	P-1 (6-7.5)	0.1	80

End of Probe at 7.5' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 2-4' bgs and analyzed for PAHs, RCRA Metals, PCBs, OA-1, OA-2, and VOCs.
2. Soil sample collected from 6-7.5' bgs and analyzed for OA-1, OA-2, and VOCs.

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/22/25 15:39 - J:\GINT PROJECT DATABASES\16.0063603.04 LEAD, SD.GPJ

GZA GeoEnvironmental
7505 Metro Boulevard, Suite 300
Edina, MN 55439
952-893-7931

PROBE NUMBER P-2

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-6") ASPHALT (6"-1') SAND; f-c, with clay and gravel, brown, moist, light odor. (1-2') CLAY; brown, moist, light odor, 4" gravel lens at bottom.			0.2	100
		(2-10') SILT; with sand and clay, little gravel, brown, moist. Light odor from 4-6' and little rock fragments from 6-10'.			0.1	100
5			1	P-2 (4-6)	0.1	100
					0.1	100
					0.2	100
10		(10-14') CLAY; some sand and silt, little rock fragments/gravel, brown, moist.			0.1	100
					0.2	60
15		(14-17') SAND; f-c, with rock fragments, dark grey, moist.			0.3	60
					0.1	5

End of Probe at 17' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 4-6' bgs and analyzed for PAHs, RCRA Metals, PCBs, OA-1, OA-2, and VOCs.

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/22/25 15:39 - J:\GINT PROJECT DATABASES\16.0063603.04 LEAD, SD.GPJ

GZA GeoEnvironmental
7505 Metro Boulevard, Suite 300
Edina, MN 55439
952-893-7931

PROBE NUMBER P-3

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-4") ASPHALT (4-6") SAND; m, with gravel, brown, moist, light odor. (6"-1.83') SAND; with rock fragments, dark grey, moist, light odor. (1.83-2') SILT; with sand, some clay, grey-brown, moist, light odor.			0.4	100
		(2-4') SILT; with sand, some clay, little rock fragments, brown, moist, grey on outside of core for the first 6-8".	1	P-3 (2-4)	0.2	100
5		(4-11') SILT; with sand, very little rock fragments, brown, moist. No rock fragments after 8'.			0.2	90
					0.2	90
					0.2	80
10					0.2	80

End of Probe at 11' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 2-4' bgs and analyzed for PAHs, RCRA Metals, PCBs, OA-1, OA-2, and VOCs.

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GZA GeoEnvironmental
7505 Metro Boulevard, Suite 300
Edina, MN 55439
952-893-7931

PROBE NUMBER P-4

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-4") ASPHALT (4"-6') CLAY; some sand and rock fragments, muted brown, moist, light odor, 2" wet brown sand lens at top. Rock fragments increase after 2'.			0.2	100
			1	P-4 (2-4)	0.2	100
					0.1	90
5						
		(6-7') SILT; some sand, clay, and rock fragments, brown, moist.	2	P-4 (6-7)	0.1	90

End of Probe at 7' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 2-4' bgs and analyzed for PAHs, RCRA Metals, PCBs, OA-1, OA-2, and VOCs.
2. Soil sample collected from 6-7' bgs and analyzed for OA-1, OA-2, and VOCs.

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Edina, MN 55439
952-893-7931

PROBE NUMBER P-5

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-6") ASPHALT (6"-1') SAND; m-c, with gravel, moist. (1-3') CLAY; some sand and rock fragments/gravel, brown, moist.			0.1	100
		(3-4') CLAY; some silt and rock fragments, little sand, brown-grey (possible staining), moist, odor.	1	P-5 (2-4)	1.2	100
5		(4-11') CLAY; with silt, some sand, little rock fragments, brown, moist, light odor. No odor and more rock fragments after 6'.			1.1	100
					1.7	100
					0.6	80
10			2	P-2 (10-11)	1.2	80

End of Probe at 11' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 2-4' bgs and analyzed for OA-1, OA-2, and VOCs.
2. Soil sample collected from 10-11' bgs and analyzed for OA-1, OA-2, and VOCs.

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Edina, MN 55439
952-893-7931

PROBE NUMBER P-6

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-1') ASPHALT (1-2') GRAVEL; with sand, some clay, tan-white, moist, light odor.			0.1	70
		(2-4.17') GRAVEL; with sand, some clay, brown-tan-white, moist.			0.2	70
5		(4.17-8') CLAY; some silt, little sand and rock fragments, brown, moist, 2" rock fragment lens at top. More rock fragments 8-10' followed by no rock fragments 10-12'.			0.1	40
					0.2	40
			1	P-7 (8-10)	1.0	50
10					0.3	50
		(12-14') CLAY; with silt, some sand, little rock fragments, brown, moist.	2	P-7 (12-14)	0.2	90

End of Probe at 14' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 8-10' bgs and analyzed for OA-1, OA-2, and VOCs.
2. Soil sample collected from 12-14' bgs and analyzed for OA-1, OA-2, and VOCs.

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7505 Metro Boulevard, Suite 300
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952-893-7931

PROBE NUMBER P-7

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-6") ASPHALT (6"-8') CLAY; with sand and silt, brown, moist. Light odor from 0-2'. Little rock fragments after 2'.			0.2	100
			1	P-7 (2-4)	0.3	100
5					0.2	100
					0.2	100
		(8-12') SILT; with sand and clay, little rock fragments, moist.			0.1	40
10					0.1	40
		(12-18') SAND; f-c, some clay, silt, and rock fragments, brown, moist. None to little rock fragments after 16'.			0.1	100
					0.1	100
15					0.1	90
		(18-19') SAND; f-c, with clay and silt, none to little rock fragments, brown, moist.	2	P-7 (18-19)	0.1	90
		End of Probe at 19' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.				

REMARKS

1. Soil sample collected from 2-4' bgs and analyzed for OA-1, OA-2, and VOCs.
2. Soil sample collected from 18-19' bgs and analyzed for OA-1, OA-2, and VOCs.

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PROBE NUMBER P-8

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-6") ASPHALT (6"-1.5') SAND; m-c, some clay and gravel, red-tan, moist, light odor. (1.5-8') CLAY; some sand, silt, and rock fragments, brown, moist. Light odor from 1.5-2'.			0.2	90
					0.3	90
5					0.3	80
					0.2	80
		(8-12') NO RECOVERY				0
10						0
		(12-16') CLAY; some sand and silt, little rock fragments, brown, moist.	1	P-8 (12-14)	0.4	40
					0.3	40
15						
		(16-18') SAND; with clay and silt, some rock fragments, brown, moist.	2	P-8 (16-18)	0.2	70

End of Probe at 18' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 12-14' bgs and analyzed for OA-1, OA-2, and VOCs.
2. Soil sample collected from 16-18' bgs and analyzed for OA-1, OA-2, and VOCs.

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PROBE NUMBER P-9

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-4") ASPHALT (4"-2') SAND; f-c, some rock fragments, little clay and silt, dark grey to brown, moist.			0.2	100
		(2-4.17') CLAY; with sand and silt, brown, moist, small black spots.	1	P-9 (2-4)	0.2	100
5		(4.17-7') SAND; some rock fragments, little clay and silt, brown, moist. Rock fragments increase after 6'.			0.3	70
			2	P-9 (6-7)	0.2	70

End of Probe at 7' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 2-4' bgs and analyzed for PAHs, RCRA Metals, PCBs, OA-1, OA-2, and VOCs.
2. Soil sample collected from 6-7' bgs and analyzed for OA-1, OA-2, and VOCs.

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/22/25 15:39 - J:\GINT PROJECT DATABASES\16.0063603.04 LEAD, SD.GPJ

GZA GeoEnvironmental
7505 Metro Boulevard, Suite 300
Edina, MN 55439
952-893-7931

PROBE NUMBER P-10

CLIENT SpartanNash Distribution LLC
PROJECT NAME Lynn's Dakotamart and Gas
PROJECT NUMBER 16.0063603.04
PROJECT LOCATION 103 & 145 Glendale Drive
DATE STARTED 4/22/25 **COMPLETED** 4/22/25
GROUND ELEVATION N/A **HOLE SIZE** 2" inches
DRILLING CONTRACTOR Bergerson Caswell
DRILLING METHOD Direct Push
LOGGED BY N. Wagner **CHECKED BY** D. Schultz
DRILL RIG Truck-Mounted

GROUND WATER LEVELS (ft, bgs):

DATE	TIME	DEPTH	CASING	STAB
4/22/2025		N/A		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE NUMBER (Depth Interval)	PID RESULTS (ppm)	RECOVERY (%)
0		(0-4") ASPHALT (4"-2') SAND; f-c, with rock fragments, little clay, dark grey to brown, moist.			0.6	100
		(2-8') SAND; f-c, some clay and rock fragments, tan to brown, moist.	1	P-10 (2-4)	0.2	100
					0.4	90
5					0.3	90
		(8-10.5') SAND; f-m, some clay, little rock fragments, brown, moist. (10.5-11') SAND; f-c, some rock fragments, little clay, brown, moist.			0.4	80
10					0.3	80

End of Probe at 11' bgs due to refusal. No groundwater encountered. Probe back-filled with bentonite.

REMARKS

1. Soil sample collected from 2-4' bgs and analyzed for PAHs, RCRA Metals, PCBs, OA-1, OA-2, and VOCs.

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/22/25 15:39 - J:\GINT PROJECT DATABASES\16.0063603.04 LEAD, SD.GPJ

ATTACHMENT 3

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORM

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

May 14, 2025

Aaron Remer
GZA GeoEnvironmental
7505 Metro Blvd
Suite 300
Edina, MN 55439

RE: Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Dear Aaron Remer:

Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Kansas City
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Hunter

Sylvia Hunter
sylvia.hunter@pacelabs.com
1(612)607-1700
Project Manager

Enclosures

cc: Morgan Kodama, Vieau Associates

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Pace Analytical Services National

Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10732221001	**P-1 (2-4)**	Solid	04/22/25 09:15	04/24/25 08:50
10732221002	**P-1 (6-7.5)**	Solid	04/22/25 09:30	04/24/25 08:50
10732221003	**P-2 (4-6)**	Solid	04/22/25 10:00	04/24/25 08:50
10732221004	**P-3 (2-4)**	Solid	04/22/25 10:30	04/24/25 08:50
10732221005	**P-4 (2-4)**	Solid	04/22/25 11:00	04/24/25 08:50
10732221006	**P-4 (6-7)**	Solid	04/22/25 11:15	04/24/25 08:50
10732221007	**P-10 (2-4)**	Solid	04/22/25 16:00	04/24/25 08:50
10732221008	**Trip Blank**	Solid	04/22/25 00:00	04/24/25 08:50
10732221009	**P-5 (2-4)**	Solid	04/22/25 11:45	04/24/25 08:50
10732221010	**P-5 (10-11)**	Solid	04/22/25 12:00	04/24/25 08:50
10732221011	**P-6 (8-10)**	Solid	04/22/25 12:30	04/24/25 08:50
10732221012	**P-6 (12-14)**	Solid	04/22/25 12:30	04/24/25 08:50
10732221013	**P-7 (2-4)**	Solid	04/22/25 13:25	04/24/25 08:50
10732221014	**P-7 (18-19)**	Solid	04/22/25 13:35	04/24/25 08:50
10732221015	**P-8 (12-14)**	Solid	04/22/25 15:00	04/24/25 08:50
10732221016	**P-8 (16-18)**	Solid	04/22/25 15:10	04/24/25 08:50
10732221017	**P-9 (2-4)**	Solid	04/22/25 15:25	04/24/25 08:50
10732221018	**P-9 (6-7)**	Solid	04/22/25 15:40	04/24/25 08:50
10732221019	**Trip Blank**	Solid	04/22/25 00:00	04/24/25 08:50

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10732221001	**P-1 (2-4)**	EPA 8082A	RAG	9	PASI-M
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	ZB	72	PASI-M
10732221002	**P-1 (6-7.5)**	OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10732221003	**P-2 (4-6)**	EPA 8082A	RAG	9	PASI-M
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	ZB	72	PASI-M
10732221004	**P-3 (2-4)**	EPA 8082A	RAG	9	PASI-M
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	ZB	72	PASI-M
10732221005	**P-4 (2-4)**	EPA 8082A	RAG	9	PASI-M
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	ZB	72	PASI-M
10732221006	**P-4 (6-7)**	OA2	JDS	3	PASI-K

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
10732221007	**P-10 (2-4)**	EPA 8082A	RAG	9	PASI-M
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	GY1	18	PASI-M
		EPA 8260D	ZB	72	PASI-M
10732221008	**Trip Blank**	EPA 8260D	ZB	72	PASI-M
10732221009	**P-5 (2-4)**	OA2	SGB	7	PAN
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221010	**P-5 (10-11)**	OA2	SGB	7	PAN
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221011	**P-6 (8-10)**	OA2	SGB	7	PAN
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221012	**P-6 (12-14)**	OA2	SGB	7	PAN
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221013	**P-7 (2-4)**	OA2	SGB	7	PAN

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SAMPLE ANALYTE COUNT

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221014	**P-7 (18-19)**	OA2	SGB	7	PAN
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221015	**P-8 (12-14)**	OA2	SGB	7	PAN
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221016	**P-8 (16-18)**	OA2	SGB	7	PAN
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221017	**P-9 (2-4)**	OA2	SGB	7	PAN
		EPA 8082A	RAG	9	PASI-M
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		EPA 6010D	IP	7	PASI-M
		EPA 7471B	HM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M
		SM 2540G	MT	1	PAN
10732221018	**P-9 (6-7)**	OA2	SGB	7	PAN
		OA2	JDS	3	PASI-K
		OA1	DWR	8	PAN
		ASTM D2974	JDL	1	PASI-M
		EPA 8260D	ZB	72	PASI-M

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SAMPLE ANALYTE COUNT

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540G	MT	1	PAN
10732221019	**Trip Blank**	EPA 8260D	ZB	72	PASI-M

PAN = Pace National - Mt. Juliet
PASI-K = Pace Analytical Services - Kansas City
PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-1 (2-4) **Lab ID: 10732221001** Collected: 04/22/25 09:15 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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)	ND	ug/kg	52.9	1	04/28/25 10:11	04/29/25 11:17	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	52.9	1	04/28/25 10:11	04/29/25 11:17	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	52.9	1	04/28/25 10:11	04/29/25 11:17	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	52.9	1	04/28/25 10:11	04/29/25 11:17	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	52.9	1	04/28/25 10:11	04/29/25 11:17	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	52.9	1	04/28/25 10:11	04/29/25 11:17	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	52.9	1	04/28/25 10:11	04/29/25 11:17	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	85	%.	30-150	1	04/28/25 10:11	04/29/25 11:17	877-09-8	
Decachlorobiphenyl (S)	78	%.	30-147	1	04/28/25 10:11	04/29/25 11:17	2051-24-3	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546							
	Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	**22.5**	mg/kg	9.8	1	05/01/25 15:56	05/02/25 18:58		
Surrogates								
n-Tetracosane (S)	89	%	10-154	1	05/01/25 15:56	05/02/25 18:58	646-31-1	
p-Terphenyl (S)	84	%	55-128	1	05/01/25 15:56	05/02/25 18:58	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1							
	Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0143	25	04/22/25 09:15	05/02/25 08:08	71-43-2	
Ethylbenzene	ND	mg/kg	0.0143	25	04/22/25 09:15	05/02/25 08:08	100-41-4	
Gasoline Range Organics	ND	mg/kg	2.86	25	04/22/25 09:15	05/02/25 08:08		
Methyl-tert-butyl ether	ND	mg/kg	0.143	25	04/22/25 09:15	05/02/25 08:08	1634-04-4	
Toluene	ND	mg/kg	0.143	25	04/22/25 09:15	05/02/25 08:08	108-88-3	
Xylene (Total)	ND	mg/kg	0.0429	25	04/22/25 09:15	05/02/25 08:08	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	99.3	%	77.0-120	25	04/22/25 09:15	05/02/25 08:08	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	103	%	72.0-128	25	04/22/25 09:15	05/02/25 08:08	98-08-8PID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B							
	Pace Analytical Services - Minneapolis							
Arsenic	**17.4**	mg/kg	1.0	1	04/28/25 11:07	04/29/25 15:55	7440-38-2	
Barium	**130**	mg/kg	0.50	1	04/28/25 11:07	04/29/25 15:55	7440-39-3	
Cadmium	**0.27**	mg/kg	0.15	1	04/28/25 11:07	04/29/25 15:55	7440-43-9	
Chromium	**22.5**	mg/kg	0.50	1	04/28/25 11:07	04/29/25 15:55	7440-47-3	
Lead	**14.0**	mg/kg	0.50	1	04/28/25 11:07	04/29/25 15:55	7439-92-1	
Selenium	ND	mg/kg	1.0	1	04/28/25 11:07	04/29/25 15:55	7782-49-2	
Silver	ND	mg/kg	0.50	1	04/28/25 11:07	04/29/25 15:55	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
	Pace Analytical Services - Minneapolis							
Mercury	**0.040**	mg/kg	0.020	1	04/28/25 13:28	04/30/25 13:43	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-1 (2-4) **Lab ID: 10732221001** Collected: 04/22/25 09:15 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**6.7**	%	0.10	1		04/29/25 13:03		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	83-32-9	
Acenaphthylene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	208-96-8	
Anthracene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	207-08-9	
Chrysene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	53-70-3	
Fluoranthene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	206-44-0	
Fluorene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	193-39-5	
Naphthalene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	91-20-3	
Phenanthrene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	85-01-8	
Pyrene	ND	ug/kg	10.4	1	04/28/25 14:44	04/29/25 08:07	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	73	%.	39-125	1	04/28/25 14:44	04/29/25 08:07	321-60-8	
p-Terphenyl-d14 (S)	83	%.	41-125	1	04/28/25 14:44	04/29/25 08:07	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1090	1	05/01/25 11:56	05/02/25 21:34	67-64-1	
Allyl chloride	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	107-05-1	
Benzene	ND	ug/kg	21.8	1	05/01/25 11:56	05/02/25 21:34	71-43-2	
Bromobenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	108-86-1	
Bromochloromethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	74-97-5	
Bromodichloromethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	75-27-4	
Bromoform	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	75-25-2	
Bromomethane	ND	ug/kg	545	1	05/01/25 11:56	05/02/25 21:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	272	1	05/01/25 11:56	05/02/25 21:34	78-93-3	
n-Butylbenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	104-51-8	
sec-Butylbenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	135-98-8	
tert-Butylbenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	98-06-6	
Carbon tetrachloride	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	56-23-5	
Chlorobenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	108-90-7	
Chloroethane	ND	ug/kg	545	1	05/01/25 11:56	05/02/25 21:34	75-00-3	
Chloroform	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	67-66-3	
Chloromethane	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	74-87-3	
2-Chlorotoluene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	95-49-8	
4-Chlorotoluene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	106-43-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-1 (2-4) **Lab ID: 10732221001** Collected: 04/22/25 09:15 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/kg	545	1	05/01/25 11:56	05/02/25 21:34	96-12-8	
Dibromochloromethane	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	106-93-4	
Dibromomethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	156-60-5	
Dichlorofluoromethane	ND	ug/kg	545	1	05/01/25 11:56	05/02/25 21:34	75-43-4	
1,2-Dichloropropane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	78-87-5	
1,3-Dichloropropane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	142-28-9	
2,2-Dichloropropane	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	594-20-7	
1,1-Dichloropropene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	60-29-7	
Ethylbenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	272	1	05/01/25 11:56	05/02/25 21:34	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	98-82-8	
p-Isopropyltoluene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	99-87-6	
Methylene Chloride	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	272	1	05/01/25 11:56	05/02/25 21:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	1634-04-4	
Naphthalene	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	91-20-3	
n-Propylbenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	103-65-1	
Styrene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	79-34-5	
Tetrachloroethene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	127-18-4	
Tetrahydrofuran	ND	ug/kg	2180	1	05/01/25 11:56	05/02/25 21:34	109-99-9	
Toluene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	79-00-5	
Trichloroethene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	218	1	05/01/25 11:56	05/02/25 21:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	95-63-6	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-1 (2-4) **Lab ID: 10732221001** Collected: 04/22/25 09:15 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	108-67-8	
Vinyl chloride	ND	ug/kg	21.8	1	05/01/25 11:56	05/02/25 21:34	75-01-4	
Xylene (Total)	ND	ug/kg	163	1	05/01/25 11:56	05/02/25 21:34	1330-20-7	
m&p-Xylene	ND	ug/kg	109	1	05/01/25 11:56	05/02/25 21:34	179601-23-1	
o-Xylene	ND	ug/kg	54.5	1	05/01/25 11:56	05/02/25 21:34	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%.	75-125	1	05/01/25 11:56	05/02/25 21:34	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1	05/01/25 11:56	05/02/25 21:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	05/01/25 11:56	05/02/25 21:34	2199-69-1	

Sample: P-1 (6-7.5) **Lab ID: 10732221002** Collected: 04/22/25 09:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	9.7	1	05/01/25 15:56	05/02/25 19:06		
Surrogates								
n-Tetracosane (S)	77	%	10-154	1	05/01/25 15:56	05/02/25 19:06	646-31-1	
p-Terphenyl (S)	78	%	55-128	1	05/01/25 15:56	05/02/25 19:06	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0143	25	04/22/25 09:30	05/02/25 08:30	71-43-2	
Ethylbenzene	ND	mg/kg	0.0143	25	04/22/25 09:30	05/02/25 08:30	100-41-4	
Gasoline Range Organics	ND	mg/kg	2.86	25	04/22/25 09:30	05/02/25 08:30		
Methyl-tert-butyl ether	ND	mg/kg	0.143	25	04/22/25 09:30	05/02/25 08:30	1634-04-4	
Toluene	ND	mg/kg	0.143	25	04/22/25 09:30	05/02/25 08:30	108-88-3	
Xylene (Total)	ND	mg/kg	0.0429	25	04/22/25 09:30	05/02/25 08:30	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.9	%	77.0-120	25	04/22/25 09:30	05/02/25 08:30	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	103	%	72.0-128	25	04/22/25 09:30	05/02/25 08:30	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**6.6**	%	0.10	1		04/29/25 13:04		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1020	1	05/01/25 11:56	05/02/25 23:30	67-64-1	
Allyl chloride	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	107-05-1	
Benzene	ND	ug/kg	20.4	1	05/01/25 11:56	05/02/25 23:30	71-43-2	
Bromobenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	108-86-1	

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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-1 (6-7.5) **Lab ID: 10732221002** Collected: 04/22/25 09:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Bromochloromethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	74-97-5	
Bromodichloromethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	75-27-4	
Bromoform	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	75-25-2	
Bromomethane	ND	ug/kg	510	1	05/01/25 11:56	05/02/25 23:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	255	1	05/01/25 11:56	05/02/25 23:30	78-93-3	
n-Butylbenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	98-06-6	
Carbon tetrachloride	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	56-23-5	
Chlorobenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	108-90-7	
Chloroethane	ND	ug/kg	510	1	05/01/25 11:56	05/02/25 23:30	75-00-3	
Chloroform	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	67-66-3	
Chloromethane	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	510	1	05/01/25 11:56	05/02/25 23:30	96-12-8	
Dibromochloromethane	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	106-93-4	
Dibromomethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	156-60-5	
Dichlorofluoromethane	ND	ug/kg	510	1	05/01/25 11:56	05/02/25 23:30	75-43-4	
1,2-Dichloropropane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	60-29-7	
Ethylbenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	255	1	05/01/25 11:56	05/02/25 23:30	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	99-87-6	
Methylene Chloride	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	255	1	05/01/25 11:56	05/02/25 23:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	1634-04-4	
Naphthalene	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	91-20-3	
n-Propylbenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	103-65-1	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-1 (6-7.5) **Lab ID: 10732221002** Collected: 04/22/25 09:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Styrene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	79-34-5	
Tetrachloroethene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	127-18-4	
Tetrahydrofuran	ND	ug/kg	2040	1	05/01/25 11:56	05/02/25 23:30	109-99-9	
Toluene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	79-00-5	
Trichloroethene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	204	1	05/01/25 11:56	05/02/25 23:30	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	108-67-8	
Vinyl chloride	ND	ug/kg	20.4	1	05/01/25 11:56	05/02/25 23:30	75-01-4	
Xylene (Total)	ND	ug/kg	153	1	05/01/25 11:56	05/02/25 23:30	1330-20-7	
m&p-Xylene	ND	ug/kg	102	1	05/01/25 11:56	05/02/25 23:30	179601-23-1	
o-Xylene	ND	ug/kg	51.0	1	05/01/25 11:56	05/02/25 23:30	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%.	75-125	1	05/01/25 11:56	05/02/25 23:30	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1	05/01/25 11:56	05/02/25 23:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1	05/01/25 11:56	05/02/25 23:30	2199-69-1	

Sample: P-2 (4-6) **Lab ID: 10732221003** Collected: 04/22/25 10:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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)	ND	ug/kg	67.1	1	04/28/25 10:11	04/29/25 11:33	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	67.1	1	04/28/25 10:11	04/29/25 11:33	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	67.1	1	04/28/25 10:11	04/29/25 11:33	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	67.1	1	04/28/25 10:11	04/29/25 11:33	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	67.1	1	04/28/25 10:11	04/29/25 11:33	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	67.1	1	04/28/25 10:11	04/29/25 11:33	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	67.1	1	04/28/25 10:11	04/29/25 11:33	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	84	%.	30-150	1	04/28/25 10:11	04/29/25 11:33	877-09-8	
Decachlorobiphenyl (S)	81	%.	30-147	1	04/28/25 10:11	04/29/25 11:33	2051-24-3	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-2 (4-6) **Lab ID: 10732221003** Collected: 04/22/25 10:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	19.5	1	05/06/25 18:07	05/12/25 08:29		
Surrogates								
n-Tetracosane (S)	68	%	10-154	1	05/06/25 18:07	05/12/25 08:29	646-31-1	
p-Terphenyl (S)	83	%	55-128	1	05/06/25 18:07	05/12/25 08:29	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0216	25.5	04/22/25 10:00	05/02/25 08:53	71-43-2	
Ethylbenzene	ND	mg/kg	0.0216	25.5	04/22/25 10:00	05/02/25 08:53	100-41-4	
Gasoline Range Organics	ND	mg/kg	4.31	25.5	04/22/25 10:00	05/02/25 08:53		
Methyl-tert-butyl ether	ND	mg/kg	0.216	25.5	04/22/25 10:00	05/02/25 08:53	1634-04-4	
Toluene	ND	mg/kg	0.216	25.5	04/22/25 10:00	05/02/25 08:53	108-88-3	
Xylene (Total)	ND	mg/kg	0.0648	25.5	04/22/25 10:00	05/02/25 08:53	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.8	%	77.0-120	25.5	04/22/25 10:00	05/02/25 08:53	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	102	%	72.0-128	25.5	04/22/25 10:00	05/02/25 08:53	98-08-8PID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**15.5**	mg/kg	1.3	1	04/28/25 11:07	04/29/25 15:57	7440-38-2	
Barium	**259**	mg/kg	0.65	1	04/28/25 11:07	04/29/25 15:57	7440-39-3	
Cadmium	ND	mg/kg	0.19	1	04/28/25 11:07	04/29/25 15:57	7440-43-9	
Chromium	**30.4**	mg/kg	0.65	1	04/28/25 11:07	04/29/25 15:57	7440-47-3	
Lead	**13.9**	mg/kg	0.65	1	04/28/25 11:07	04/29/25 15:57	7439-92-1	
Selenium	ND	mg/kg	1.3	1	04/28/25 11:07	04/29/25 15:57	7782-49-2	
Silver	ND	mg/kg	0.65	1	04/28/25 11:07	04/29/25 15:57	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.083**	mg/kg	0.024	1	04/28/25 13:28	04/30/25 13:46	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**25.9**	%	0.10	1		04/29/25 13:04		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	83-32-9	
Acenaphthylene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	208-96-8	
Anthracene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	120-12-7	
Benzo(a)anthracene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	56-55-3	
Benzo(a)pyrene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	191-24-2	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-2 (4-6) **Lab ID: 10732221003** Collected: 04/22/25 10:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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							
Benzo(k)fluoranthene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	207-08-9	
Chrysene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	53-70-3	
Fluoranthene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	206-44-0	
Fluorene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	193-39-5	
Naphthalene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	91-20-3	
Phenanthrene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	85-01-8	
Pyrene	ND	ug/kg	13.2	1	04/28/25 14:44	04/29/25 08:30	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	71	%.	39-125	1	04/28/25 14:44	04/29/25 08:30	321-60-8	
p-Terphenyl-d14 (S)	78	%.	41-125	1	04/28/25 14:44	04/29/25 08:30	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1860	1	05/01/25 11:56	05/03/25 00:03	67-64-1	
Allyl chloride	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	107-05-1	
Benzene	ND	ug/kg	37.1	1	05/01/25 11:56	05/03/25 00:03	71-43-2	
Bromobenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	108-86-1	
Bromochloromethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	74-97-5	
Bromodichloromethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	75-27-4	
Bromoform	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	75-25-2	
Bromomethane	ND	ug/kg	928	1	05/01/25 11:56	05/03/25 00:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	464	1	05/01/25 11:56	05/03/25 00:03	78-93-3	
n-Butylbenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	98-06-6	
Carbon tetrachloride	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	56-23-5	
Chlorobenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	108-90-7	
Chloroethane	ND	ug/kg	928	1	05/01/25 11:56	05/03/25 00:03	75-00-3	
Chloroform	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	67-66-3	
Chloromethane	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	928	1	05/01/25 11:56	05/03/25 00:03	96-12-8	
Dibromochloromethane	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	106-93-4	
Dibromomethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	75-35-4	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-2 (4-6) **Lab ID: 10732221003** Collected: 04/22/25 10:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
cis-1,2-Dichloroethene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	156-60-5	
Dichlorofluoromethane	ND	ug/kg	928	1	05/01/25 11:56	05/03/25 00:03	75-43-4	
1,2-Dichloropropane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	60-29-7	
Ethylbenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	464	1	05/01/25 11:56	05/03/25 00:03	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	99-87-6	
Methylene Chloride	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	464	1	05/01/25 11:56	05/03/25 00:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	1634-04-4	
Naphthalene	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	91-20-3	
n-Propylbenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	103-65-1	
Styrene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	79-34-5	
Tetrachloroethene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	127-18-4	
Tetrahydrofuran	ND	ug/kg	3710	1	05/01/25 11:56	05/03/25 00:03	109-99-9	
Toluene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	79-00-5	
Trichloroethene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	371	1	05/01/25 11:56	05/03/25 00:03	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	108-67-8	
Vinyl chloride	ND	ug/kg	37.1	1	05/01/25 11:56	05/03/25 00:03	75-01-4	
Xylene (Total)	ND	ug/kg	278	1	05/01/25 11:56	05/03/25 00:03	1330-20-7	
m&p-Xylene	ND	ug/kg	186	1	05/01/25 11:56	05/03/25 00:03	179601-23-1	
o-Xylene	ND	ug/kg	92.8	1	05/01/25 11:56	05/03/25 00:03	95-47-6	
Surrogates								
Toluene-d8 (S)	98	%.	75-125	1	05/01/25 11:56	05/03/25 00:03	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1	05/01/25 11:56	05/03/25 00:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1	05/01/25 11:56	05/03/25 00:03	2199-69-1	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-3 (2-4) **Lab ID: 10732221004** Collected: 04/22/25 10:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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)	ND	ug/kg	70.6	1	04/30/25 11:10	05/05/25 13:43	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	70.6	1	04/30/25 11:10	05/05/25 13:43	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	70.6	1	04/30/25 11:10	05/05/25 13:43	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	70.6	1	04/30/25 11:10	05/05/25 13:43	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	70.6	1	04/30/25 11:10	05/05/25 13:43	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	70.6	1	04/30/25 11:10	05/05/25 13:43	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	70.6	1	04/30/25 11:10	05/05/25 13:43	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	85	%.	30-150	1	04/30/25 11:10	05/05/25 13:43	877-09-8	
Decachlorobiphenyl (S)	72	%.	30-147	1	04/30/25 11:10	05/05/25 13:43	2051-24-3	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546							
	Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	19.9	1	05/06/25 18:07	05/12/25 08:53		
Surrogates								
n-Tetracosane (S)	49	%	10-154	1	05/06/25 18:07	05/12/25 08:53	646-31-1	
p-Terphenyl (S)	64	%	55-128	1	05/06/25 18:07	05/12/25 08:53	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1							
	Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0245	25	04/22/25 10:30	05/02/25 09:15	71-43-2	
Ethylbenzene	ND	mg/kg	0.0245	25	04/22/25 10:30	05/02/25 09:15	100-41-4	
Gasoline Range Organics	ND	mg/kg	4.90	25	04/22/25 10:30	05/02/25 09:15		
Methyl-tert-butyl ether	ND	mg/kg	0.245	25	04/22/25 10:30	05/02/25 09:15	1634-04-4	
Toluene	ND	mg/kg	0.245	25	04/22/25 10:30	05/02/25 09:15	108-88-3	
Xylene (Total)	ND	mg/kg	0.0736	25	04/22/25 10:30	05/02/25 09:15	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.9	%	77.0-120	25	04/22/25 10:30	05/02/25 09:15	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	102	%	72.0-128	25	04/22/25 10:30	05/02/25 09:15	98-08-8PID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B							
	Pace Analytical Services - Minneapolis							
Arsenic	**38.2**	mg/kg	2.7	2	04/28/25 11:07	04/29/25 16:05	7440-38-2	
Barium	**274**	mg/kg	1.4	2	04/28/25 11:07	04/29/25 16:05	7440-39-3	
Cadmium	ND	mg/kg	0.41	2	04/28/25 11:07	04/29/25 16:05	7440-43-9	D3
Chromium	**14.4**	mg/kg	1.4	2	04/28/25 11:07	04/29/25 16:05	7440-47-3	
Lead	**18.5**	mg/kg	1.4	2	04/28/25 11:07	04/29/25 16:05	7439-92-1	
Selenium	ND	mg/kg	2.7	2	04/28/25 11:07	04/29/25 16:05	7782-49-2	D3
Silver	ND	mg/kg	1.4	2	04/28/25 11:07	04/29/25 16:05	7440-22-4	D3
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
	Pace Analytical Services - Minneapolis							
Mercury	**0.11**	mg/kg	0.027	1	04/28/25 13:28	04/30/25 13:49	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-3 (2-4) **Lab ID: 10732221004** Collected: 04/22/25 10:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**29.8**	%	0.10	1		04/29/25 13:04		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	83-32-9	
Acenaphthylene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	208-96-8	
Anthracene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	120-12-7	
Benzo(a)anthracene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	56-55-3	
Benzo(a)pyrene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	207-08-9	
Chrysene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	53-70-3	
Fluoranthene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	206-44-0	
Fluorene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	193-39-5	
Naphthalene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	91-20-3	
Phenanthrene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	85-01-8	
Pyrene	ND	ug/kg	13.8	1	04/29/25 11:26	04/30/25 15:33	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	68	%.	39-125	1	04/29/25 11:26	04/30/25 15:33	321-60-8	
p-Terphenyl-d14 (S)	80	%.	41-125	1	04/29/25 11:26	04/30/25 15:33	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1720	1	05/01/25 11:56	05/02/25 21:51	67-64-1	
Allyl chloride	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	107-05-1	
Benzene	ND	ug/kg	34.3	1	05/01/25 11:56	05/02/25 21:51	71-43-2	
Bromobenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	108-86-1	
Bromochloromethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	74-97-5	
Bromodichloromethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	75-27-4	
Bromoform	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	75-25-2	
Bromomethane	ND	ug/kg	858	1	05/01/25 11:56	05/02/25 21:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	429	1	05/01/25 11:56	05/02/25 21:51	78-93-3	
n-Butylbenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	98-06-6	
Carbon tetrachloride	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	56-23-5	
Chlorobenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	108-90-7	
Chloroethane	ND	ug/kg	858	1	05/01/25 11:56	05/02/25 21:51	75-00-3	
Chloroform	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	67-66-3	
Chloromethane	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	106-43-4	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-3 (2-4) **Lab ID: 10732221004** Collected: 04/22/25 10:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/kg	858	1	05/01/25 11:56	05/02/25 21:51	96-12-8	
Dibromochloromethane	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	106-93-4	
Dibromomethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	156-60-5	
Dichlorofluoromethane	ND	ug/kg	858	1	05/01/25 11:56	05/02/25 21:51	75-43-4	
1,2-Dichloropropane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	60-29-7	
Ethylbenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	429	1	05/01/25 11:56	05/02/25 21:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	99-87-6	
Methylene Chloride	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	429	1	05/01/25 11:56	05/02/25 21:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	1634-04-4	
Naphthalene	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	91-20-3	
n-Propylbenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	103-65-1	
Styrene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	79-34-5	
Tetrachloroethene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	127-18-4	
Tetrahydrofuran	ND	ug/kg	3430	1	05/01/25 11:56	05/02/25 21:51	109-99-9	
Toluene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	79-00-5	
Trichloroethene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	343	1	05/01/25 11:56	05/02/25 21:51	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	95-63-6	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-3 (2-4) **Lab ID: 10732221004** Collected: 04/22/25 10:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	108-67-8	
Vinyl chloride	ND	ug/kg	34.3	1	05/01/25 11:56	05/02/25 21:51	75-01-4	
Xylene (Total)	ND	ug/kg	257	1	05/01/25 11:56	05/02/25 21:51	1330-20-7	
m&p-Xylene	ND	ug/kg	172	1	05/01/25 11:56	05/02/25 21:51	179601-23-1	
o-Xylene	ND	ug/kg	85.8	1	05/01/25 11:56	05/02/25 21:51	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%.	75-125	1	05/01/25 11:56	05/02/25 21:51	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1	05/01/25 11:56	05/02/25 21:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1	05/01/25 11:56	05/02/25 21:51	2199-69-1	

Sample: P-4 (2-4) **Lab ID: 10732221005** Collected: 04/22/25 11:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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)	ND	ug/kg	58.0	1	04/28/25 10:11	04/29/25 12:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	58.0	1	04/28/25 10:11	04/29/25 12:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	58.0	1	04/28/25 10:11	04/29/25 12:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	58.0	1	04/28/25 10:11	04/29/25 12:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	58.0	1	04/28/25 10:11	04/29/25 12:05	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	58.0	1	04/28/25 10:11	04/29/25 12:05	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	58.0	1	04/28/25 10:11	04/29/25 12:05	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	83	%.	30-150	1	04/28/25 10:11	04/29/25 12:05	877-09-8	
Decachlorobiphenyl (S)	89	%.	30-147	1	04/28/25 10:11	04/29/25 12:05	2051-24-3	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	9.7	1	05/01/25 15:56	05/02/25 20:02		
Surrogates								
n-Tetracosane (S)	74	%	10-154	1	05/01/25 15:56	05/02/25 20:02	646-31-1	
p-Terphenyl (S)	73	%	55-128	1	05/01/25 15:56	05/02/25 20:02	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0175	26	04/22/25 11:00	05/02/25 09:38	71-43-2	
Ethylbenzene	ND	mg/kg	0.0175	26	04/22/25 11:00	05/02/25 09:38	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.49	26	04/22/25 11:00	05/02/25 09:38		
Methyl-tert-butyl ether	ND	mg/kg	0.175	26	04/22/25 11:00	05/02/25 09:38	1634-04-4	
Toluene	ND	mg/kg	0.175	26	04/22/25 11:00	05/02/25 09:38	108-88-3	
Xylene (Total)	ND	mg/kg	0.0524	26	04/22/25 11:00	05/02/25 09:38	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-4 (2-4) **Lab ID: 10732221005** Collected: 04/22/25 11:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Surrogates								
a,a,a-Trifluorotoluene (FID)	99.2	%	77.0-120	26	04/22/25 11:00	05/02/25 09:38	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	103	%	72.0-128	26	04/22/25 11:00	05/02/25 09:38	98-08-8PID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**33.9**	mg/kg	1.1	1	04/28/25 11:07	04/29/25 16:00	7440-38-2	
Barium	**217**	mg/kg	0.54	1	04/28/25 11:07	04/29/25 16:00	7440-39-3	
Cadmium	**0.75**	mg/kg	0.16	1	04/28/25 11:07	04/29/25 16:00	7440-43-9	
Chromium	**18.3**	mg/kg	0.54	1	04/28/25 11:07	04/29/25 16:00	7440-47-3	
Lead	**12.8**	mg/kg	0.54	1	04/28/25 11:07	04/29/25 16:00	7439-92-1	
Selenium	ND	mg/kg	1.1	1	04/28/25 11:07	04/29/25 16:00	7782-49-2	
Silver	ND	mg/kg	0.54	1	04/28/25 11:07	04/29/25 16:00	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.076**	mg/kg	0.023	1	04/28/25 13:28	04/30/25 13:52	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**14.8**	%	0.10	1		04/29/25 13:04		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	83-32-9	
Acenaphthylene	ND	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	208-96-8	
Anthracene	ND	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	120-12-7	
Benzo(a)anthracene	**18.3**	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	56-55-3	
Benzo(a)pyrene	**19.5**	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	50-32-8	
Benzo(b)fluoranthene	**27.4**	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	205-99-2	
Benzo(g,h,i)perylene	**17.9**	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	207-08-9	
Chrysene	**21.2**	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	53-70-3	
Fluoranthene	**26.7**	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	206-44-0	
Fluorene	ND	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	86-73-7	
Indeno(1,2,3-cd)pyrene	**15.9**	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	193-39-5	
Naphthalene	ND	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	91-20-3	
Phenanthrene	ND	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	85-01-8	
Pyrene	**29.1**	ug/kg	11.5	1	04/29/25 11:26	04/30/25 15:56	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	68	%.	39-125	1	04/29/25 11:26	04/30/25 15:56	321-60-8	
p-Terphenyl-d14 (S)	82	%.	41-125	1	04/29/25 11:26	04/30/25 15:56	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-4 (2-4) **Lab ID: 10732221005** Collected: 04/22/25 11:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1120	1	05/01/25 11:56	05/02/25 22:07	67-64-1	
Allyl chloride	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	107-05-1	
Benzene	ND	ug/kg	22.4	1	05/01/25 11:56	05/02/25 22:07	71-43-2	
Bromobenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	108-86-1	
Bromochloromethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	74-97-5	
Bromodichloromethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	75-27-4	
Bromoform	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	75-25-2	
Bromomethane	ND	ug/kg	559	1	05/01/25 11:56	05/02/25 22:07	74-83-9	
2-Butanone (MEK)	ND	ug/kg	279	1	05/01/25 11:56	05/02/25 22:07	78-93-3	
n-Butylbenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	135-98-8	
tert-Butylbenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	98-06-6	
Carbon tetrachloride	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	56-23-5	
Chlorobenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	108-90-7	
Chloroethane	ND	ug/kg	559	1	05/01/25 11:56	05/02/25 22:07	75-00-3	
Chloroform	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	67-66-3	
Chloromethane	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	74-87-3	
2-Chlorotoluene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	95-49-8	
4-Chlorotoluene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	559	1	05/01/25 11:56	05/02/25 22:07	96-12-8	
Dibromochloromethane	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	106-93-4	
Dibromomethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	75-71-8	
1,1-Dichloroethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	107-06-2	
1,1-Dichloroethene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	156-60-5	
Dichlorofluoromethane	ND	ug/kg	559	1	05/01/25 11:56	05/02/25 22:07	75-43-4	
1,2-Dichloropropane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	142-28-9	
2,2-Dichloropropane	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	594-20-7	
1,1-Dichloropropene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	60-29-7	
Ethylbenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	279	1	05/01/25 11:56	05/02/25 22:07	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	99-87-6	
Methylene Chloride	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	75-09-2	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-4 (2-4) **Lab ID: 10732221005** Collected: 04/22/25 11:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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-Methyl-2-pentanone (MIBK)	ND	ug/kg	279	1	05/01/25 11:56	05/02/25 22:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	1634-04-4	
Naphthalene	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	91-20-3	
n-Propylbenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	103-65-1	
Styrene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	79-34-5	
Tetrachloroethene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	127-18-4	
Tetrahydrofuran	ND	ug/kg	2240	1	05/01/25 11:56	05/02/25 22:07	109-99-9	
Toluene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	79-00-5	
Trichloroethene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	79-01-6	
Trichlorofluoromethane	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	224	1	05/01/25 11:56	05/02/25 22:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	108-67-8	
Vinyl chloride	ND	ug/kg	22.4	1	05/01/25 11:56	05/02/25 22:07	75-01-4	
Xylene (Total)	ND	ug/kg	168	1	05/01/25 11:56	05/02/25 22:07	1330-20-7	
m&p-Xylene	ND	ug/kg	112	1	05/01/25 11:56	05/02/25 22:07	179601-23-1	
o-Xylene	ND	ug/kg	55.9	1	05/01/25 11:56	05/02/25 22:07	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%.	75-125	1	05/01/25 11:56	05/02/25 22:07	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1	05/01/25 11:56	05/02/25 22:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1	05/01/25 11:56	05/02/25 22:07	2199-69-1	

Sample: P-4 (6-7) **Lab ID: 10732221006** Collected: 04/22/25 11:15 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	19.9	1	05/01/25 15:56	05/02/25 20:11		
Surrogates								
n-Tetracosane (S)	79	%	10-154	1	05/01/25 15:56	05/02/25 20:11	646-31-1	
p-Terphenyl (S)	74	%	55-128	1	05/01/25 15:56	05/02/25 20:11	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0192	25	04/22/25 11:15	05/02/25 10:00	71-43-2	

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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-4 (6-7) **Lab ID: 10732221006** Collected: 04/22/25 11:15 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1							
	Pace National - Mt. Juliet							
Ethylbenzene	ND	mg/kg	0.0192	25	04/22/25 11:15	05/02/25 10:00	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.85	25	04/22/25 11:15	05/02/25 10:00		
Methyl-tert-butyl ether	ND	mg/kg	0.192	25	04/22/25 11:15	05/02/25 10:00	1634-04-4	
Toluene	ND	mg/kg	0.192	25	04/22/25 11:15	05/02/25 10:00	108-88-3	
Xylene (Total)	ND	mg/kg	0.0577	25	04/22/25 11:15	05/02/25 10:00	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	97.6	%	77.0-120	25	04/22/25 11:15	05/02/25 10:00	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	101	%	72.0-128	25	04/22/25 11:15	05/02/25 10:00	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974							
	Pace Analytical Services - Minneapolis							
Percent Moisture	**18.9**	%	0.10	1		04/29/25 13:05		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B							
	Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1210	1	05/01/25 11:56	05/02/25 22:24	67-64-1	
Allyl chloride	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	107-05-1	
Benzene	ND	ug/kg	24.2	1	05/01/25 11:56	05/02/25 22:24	71-43-2	
Bromobenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	108-86-1	
Bromochloromethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	74-97-5	
Bromodichloromethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	75-27-4	
Bromoform	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	75-25-2	
Bromomethane	ND	ug/kg	605	1	05/01/25 11:56	05/02/25 22:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	302	1	05/01/25 11:56	05/02/25 22:24	78-93-3	
n-Butylbenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	98-06-6	
Carbon tetrachloride	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	56-23-5	
Chlorobenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	108-90-7	
Chloroethane	ND	ug/kg	605	1	05/01/25 11:56	05/02/25 22:24	75-00-3	
Chloroform	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	67-66-3	
Chloromethane	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	605	1	05/01/25 11:56	05/02/25 22:24	96-12-8	
Dibromochloromethane	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	106-93-4	
Dibromomethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	75-35-4	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-4 (6-7) **Lab ID: 10732221006** Collected: 04/22/25 11:15 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
cis-1,2-Dichloroethene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	156-60-5	
Dichlorofluoromethane	ND	ug/kg	605	1	05/01/25 11:56	05/02/25 22:24	75-43-4	
1,2-Dichloropropane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	60-29-7	
Ethylbenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	302	1	05/01/25 11:56	05/02/25 22:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	99-87-6	
Methylene Chloride	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	302	1	05/01/25 11:56	05/02/25 22:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	1634-04-4	
Naphthalene	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	91-20-3	
n-Propylbenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	103-65-1	
Styrene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	79-34-5	
Tetrachloroethene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	127-18-4	
Tetrahydrofuran	ND	ug/kg	2420	1	05/01/25 11:56	05/02/25 22:24	109-99-9	
Toluene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	79-00-5	
Trichloroethene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	242	1	05/01/25 11:56	05/02/25 22:24	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	108-67-8	
Vinyl chloride	ND	ug/kg	24.2	1	05/01/25 11:56	05/02/25 22:24	75-01-4	
Xylene (Total)	ND	ug/kg	181	1	05/01/25 11:56	05/02/25 22:24	1330-20-7	
m&p-Xylene	ND	ug/kg	121	1	05/01/25 11:56	05/02/25 22:24	179601-23-1	
o-Xylene	ND	ug/kg	60.5	1	05/01/25 11:56	05/02/25 22:24	95-47-6	
Surrogates								
Toluene-d8 (S)	98	%.	75-125	1	05/01/25 11:56	05/02/25 22:24	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1	05/01/25 11:56	05/02/25 22:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%.	75-125	1	05/01/25 11:56	05/02/25 22:24	2199-69-1	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-10 (2-4) **Lab ID: 10732221007** Collected: 04/22/25 16:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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)	ND	ug/kg	58.3	1	04/28/25 10:11	04/29/25 12:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	58.3	1	04/28/25 10:11	04/29/25 12:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	58.3	1	04/28/25 10:11	04/29/25 12:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	58.3	1	04/28/25 10:11	04/29/25 12:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	58.3	1	04/28/25 10:11	04/29/25 12:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	58.3	1	04/28/25 10:11	04/29/25 12:21	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	58.3	1	04/28/25 10:11	04/29/25 12:21	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	82	%.	30-150	1	04/28/25 10:11	04/29/25 12:21	877-09-8	
Decachlorobiphenyl (S)	90	%.	30-147	1	04/28/25 10:11	04/29/25 12:21	2051-24-3	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546							
	Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	9.9	1	05/01/25 15:56	05/02/25 20:19		
Surrogates								
n-Tetracosane (S)	78	%	10-154	1	05/01/25 15:56	05/02/25 20:19	646-31-1	
p-Terphenyl (S)	72	%	55-128	1	05/01/25 15:56	05/02/25 20:19	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1							
	Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0174	25	04/22/25 16:00	05/02/25 10:22	71-43-2	
Ethylbenzene	ND	mg/kg	0.0174	25	04/22/25 16:00	05/02/25 10:22	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.48	25	04/22/25 16:00	05/02/25 10:22		
Methyl-tert-butyl ether	ND	mg/kg	0.174	25	04/22/25 16:00	05/02/25 10:22	1634-04-4	
Toluene	ND	mg/kg	0.174	25	04/22/25 16:00	05/02/25 10:22	108-88-3	
Xylene (Total)	ND	mg/kg	0.0522	25	04/22/25 16:00	05/02/25 10:22	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.0	%	77.0-120	25	04/22/25 16:00	05/02/25 10:22	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	101	%	72.0-128	25	04/22/25 16:00	05/02/25 10:22	98-08-8PID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B							
	Pace Analytical Services - Minneapolis							
Arsenic	**29.5**	mg/kg	1.1	1	04/28/25 11:07	04/29/25 16:02	7440-38-2	
Barium	**291**	mg/kg	0.56	1	04/28/25 11:07	04/29/25 16:02	7440-39-3	
Cadmium	**0.41**	mg/kg	0.17	1	04/28/25 11:07	04/29/25 16:02	7440-43-9	
Chromium	**43.3**	mg/kg	0.56	1	04/28/25 11:07	04/29/25 16:02	7440-47-3	
Lead	**17.7**	mg/kg	0.56	1	04/28/25 11:07	04/29/25 16:02	7439-92-1	
Selenium	ND	mg/kg	1.1	1	04/28/25 11:07	04/29/25 16:02	7782-49-2	
Silver	ND	mg/kg	0.56	1	04/28/25 11:07	04/29/25 16:02	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
	Pace Analytical Services - Minneapolis							
Mercury	**0.055**	mg/kg	0.022	1	04/28/25 13:28	04/30/25 13:55	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-10 (2-4) **Lab ID: 10732221007** Collected: 04/22/25 16:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**14.8**	%	0.10	1		04/29/25 13:05		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	83-32-9	
Acenaphthylene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	208-96-8	
Anthracene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	207-08-9	
Chrysene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	53-70-3	
Fluoranthene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	206-44-0	
Fluorene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	193-39-5	
Naphthalene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	91-20-3	
Phenanthrene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	85-01-8	
Pyrene	ND	ug/kg	11.7	1	04/29/25 11:26	04/30/25 22:46	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	39-125	1	04/29/25 11:26	04/30/25 22:46	321-60-8	
p-Terphenyl-d14 (S)	85	%.	41-125	1	04/29/25 11:26	04/30/25 22:46	1718-51-0	
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1360	1	05/01/25 11:56	05/02/25 22:41	67-64-1	
Allyl chloride	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	107-05-1	
Benzene	ND	ug/kg	27.3	1	05/01/25 11:56	05/02/25 22:41	71-43-2	
Bromobenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	108-86-1	
Bromochloromethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	74-97-5	
Bromodichloromethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	75-27-4	
Bromoform	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	75-25-2	
Bromomethane	ND	ug/kg	682	1	05/01/25 11:56	05/02/25 22:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	341	1	05/01/25 11:56	05/02/25 22:41	78-93-3	
n-Butylbenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	104-51-8	
sec-Butylbenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	135-98-8	
tert-Butylbenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	98-06-6	
Carbon tetrachloride	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	56-23-5	
Chlorobenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	108-90-7	
Chloroethane	ND	ug/kg	682	1	05/01/25 11:56	05/02/25 22:41	75-00-3	
Chloroform	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	67-66-3	
Chloromethane	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	74-87-3	
2-Chlorotoluene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	95-49-8	
4-Chlorotoluene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	106-43-4	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-10 (2-4) **Lab ID: 10732221007** Collected: 04/22/25 16:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/kg	682	1	05/01/25 11:56	05/02/25 22:41	96-12-8	
Dibromochloromethane	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	106-93-4	
Dibromomethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	156-60-5	
Dichlorofluoromethane	ND	ug/kg	682	1	05/01/25 11:56	05/02/25 22:41	75-43-4	
1,2-Dichloropropane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	78-87-5	
1,3-Dichloropropane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	142-28-9	
2,2-Dichloropropane	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	594-20-7	
1,1-Dichloropropene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	60-29-7	
Ethylbenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	341	1	05/01/25 11:56	05/02/25 22:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	98-82-8	
p-Isopropyltoluene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	99-87-6	
Methylene Chloride	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	341	1	05/01/25 11:56	05/02/25 22:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	1634-04-4	
Naphthalene	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	91-20-3	
n-Propylbenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	103-65-1	
Styrene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	79-34-5	
Tetrachloroethene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	127-18-4	
Tetrahydrofuran	ND	ug/kg	2730	1	05/01/25 11:56	05/02/25 22:41	109-99-9	
Toluene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	79-00-5	
Trichloroethene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	273	1	05/01/25 11:56	05/02/25 22:41	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	95-63-6	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-10 (2-4) **Lab ID: 10732221007** Collected: 04/22/25 16:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	108-67-8	
Vinyl chloride	ND	ug/kg	27.3	1	05/01/25 11:56	05/02/25 22:41	75-01-4	
Xylene (Total)	ND	ug/kg	205	1	05/01/25 11:56	05/02/25 22:41	1330-20-7	
m&p-Xylene	ND	ug/kg	136	1	05/01/25 11:56	05/02/25 22:41	179601-23-1	
o-Xylene	ND	ug/kg	68.2	1	05/01/25 11:56	05/02/25 22:41	95-47-6	
Surrogates								
Toluene-d8 (S)	98	%.	75-125	1	05/01/25 11:56	05/02/25 22:41	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1	05/01/25 11:56	05/02/25 22:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1	05/01/25 11:56	05/02/25 22:41	2199-69-1	

Sample: Trip Blank **Lab ID: 10732221008** Collected: 04/22/25 00:00 Received: 04/24/25 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1000	1	04/29/25 11:30	04/29/25 21:28	67-64-1	
Allyl chloride	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	107-05-1	L1
Benzene	ND	ug/kg	20.0	1	04/29/25 11:30	04/29/25 21:28	71-43-2	
Bromobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	108-86-1	
Bromochloromethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	74-97-5	
Bromodichloromethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	75-27-4	
Bromoform	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	75-25-2	
Bromomethane	ND	ug/kg	500	1	04/29/25 11:30	04/29/25 21:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	250	1	04/29/25 11:30	04/29/25 21:28	78-93-3	L1
n-Butylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	98-06-6	
Carbon tetrachloride	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	56-23-5	
Chlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	108-90-7	
Chloroethane	ND	ug/kg	500	1	04/29/25 11:30	04/29/25 21:28	75-00-3	
Chloroform	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	67-66-3	
Chloromethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	500	1	04/29/25 11:30	04/29/25 21:28	96-12-8	
Dibromochloromethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	106-93-4	
Dibromomethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	75-71-8	

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1700 Elm Street
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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: Trip Blank **Lab ID: 10732221008** Collected: 04/22/25 00:00 Received: 04/24/25 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
1,1-Dichloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	107-06-2	
1,1-Dichloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	156-60-5	
Dichlorofluoromethane	ND	ug/kg	500	1	04/29/25 11:30	04/29/25 21:28	75-43-4	
1,2-Dichloropropane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	60-29-7	
Ethylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	250	1	04/29/25 11:30	04/29/25 21:28	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	99-87-6	
Methylene Chloride	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	250	1	04/29/25 11:30	04/29/25 21:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	1634-04-4	
Naphthalene	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	91-20-3	
n-Propylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	103-65-1	
Styrene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	79-34-5	
Tetrachloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	127-18-4	
Tetrahydrofuran	ND	ug/kg	2000	1	04/29/25 11:30	04/29/25 21:28	109-99-9	L1
Toluene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	79-00-5	
Trichloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:28	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	108-67-8	
Vinyl chloride	ND	ug/kg	20.0	1	04/29/25 11:30	04/29/25 21:28	75-01-4	
Xylene (Total)	ND	ug/kg	150	1	04/29/25 11:30	04/29/25 21:28	1330-20-7	
m&p-Xylene	ND	ug/kg	100	1	04/29/25 11:30	04/29/25 21:28	179601-23-1	
o-Xylene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:28	95-47-6	
Surrogates								
Toluene-d8 (S)	108	%.	75-125	1	04/29/25 11:30	04/29/25 21:28	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	1	04/29/25 11:30	04/29/25 21:28	460-00-4	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: Trip Blank **Lab ID: 10732221008** Collected: 04/22/25 00:00 Received: 04/24/25 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	04/29/25 11:30	04/29/25 21:28	2199-69-1	

Sample: P-5 (2-4) **Lab ID: 10732221009** Collected: 04/22/25 11:45 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	**1290**	mg/kg	48.6	10	05/04/25 08:00	05/04/25 22:41	68334-30-5	
Fuel Oil #6	ND	mg/kg	48.6	10	05/04/25 08:00	05/04/25 22:41		
Hydraulic Fluid	ND	mg/kg	48.6	10	05/04/25 08:00	05/04/25 22:41		
Kerosene	ND	mg/kg	48.6	10	05/04/25 08:00	05/04/25 22:41	8008-20-6	
Mineral Spirits	ND	mg/kg	48.6	10	05/04/25 08:00	05/04/25 22:41	8030-30-6	
Motor Oil Range	**2610**	mg/kg	243	20	05/04/25 08:00	05/05/25 19:01	64742-65-0	
Surrogates								
o-Terphenyl (S)	92.1	%	18.0-148	10	05/04/25 08:00	05/04/25 22:41	84-15-1	
o-Terphenyl (S)	0.00	%	18.0-148	20	05/04/25 08:00	05/05/25 19:01	84-15-1	S4
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	**2080**	mg/kg	387	20	05/09/25 14:46	05/13/25 14:06		H2,M1, R1
Surrogates								
n-Tetracosane (S)	0	%	10-154	20	05/09/25 14:46	05/13/25 14:06	646-31-1	S4
p-Terphenyl (S)	0	%	55-128	20	05/09/25 14:46	05/13/25 14:06	92-94-4	S4
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0179	25	04/22/25 11:45	05/02/25 10:45	71-43-2	
Ethylbenzene	ND	mg/kg	0.0179	25	04/22/25 11:45	05/02/25 10:45	100-41-4	
Gasoline Range Organics	**5.06**	mg/kg	3.57	25	04/22/25 11:45	05/02/25 10:45		
Methyl-tert-butyl ether	ND	mg/kg	0.179	25	04/22/25 11:45	05/02/25 10:45	1634-04-4	
Toluene	ND	mg/kg	0.179	25	04/22/25 11:45	05/02/25 10:45	108-88-3	
Xylene (Total)	ND	mg/kg	0.0536	25	04/22/25 11:45	05/02/25 10:45	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	99.0	%	77.0-120	25	04/22/25 11:45	05/02/25 10:45	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	102	%	72.0-128	25	04/22/25 11:45	05/02/25 10:45	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**19.5**	%	0.10	1		04/29/25 13:05		N2

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-5 (2-4) **Lab ID: 10732221009** Collected: 04/22/25 11:45 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1260	1	04/29/25 11:30	04/29/25 22:18	67-64-1	
Allyl chloride	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	107-05-1	L1
Benzene	ND	ug/kg	25.3	1	04/29/25 11:30	04/29/25 22:18	71-43-2	
Bromobenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	108-86-1	
Bromochloromethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	74-97-5	
Bromodichloromethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	75-27-4	
Bromoform	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	75-25-2	
Bromomethane	ND	ug/kg	632	1	04/29/25 11:30	04/29/25 22:18	74-83-9	
2-Butanone (MEK)	ND	ug/kg	316	1	04/29/25 11:30	04/29/25 22:18	78-93-3	L1
n-Butylbenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	104-51-8	
sec-Butylbenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	135-98-8	
tert-Butylbenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	98-06-6	
Carbon tetrachloride	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	56-23-5	
Chlorobenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	108-90-7	
Chloroethane	ND	ug/kg	632	1	04/29/25 11:30	04/29/25 22:18	75-00-3	
Chloroform	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	67-66-3	
Chloromethane	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	74-87-3	
2-Chlorotoluene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	95-49-8	
4-Chlorotoluene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	632	1	04/29/25 11:30	04/29/25 22:18	96-12-8	
Dibromochloromethane	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	106-93-4	
Dibromomethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	75-71-8	
1,1-Dichloroethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	75-34-3	
1,2-Dichloroethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	107-06-2	
1,1-Dichloroethene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	156-60-5	
Dichlorofluoromethane	ND	ug/kg	632	1	04/29/25 11:30	04/29/25 22:18	75-43-4	
1,2-Dichloropropane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	78-87-5	
1,3-Dichloropropane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	142-28-9	
2,2-Dichloropropane	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	594-20-7	
1,1-Dichloropropene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	60-29-7	
Ethylbenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	316	1	04/29/25 11:30	04/29/25 22:18	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	98-82-8	
p-Isopropyltoluene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	99-87-6	
Methylene Chloride	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	75-09-2	

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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-5 (2-4) **Lab ID: 10732221009** Collected: 04/22/25 11:45 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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-Methyl-2-pentanone (MIBK)	ND	ug/kg	316	1	04/29/25 11:30	04/29/25 22:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	1634-04-4	
Naphthalene	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	91-20-3	
n-Propylbenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	103-65-1	
Styrene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	79-34-5	
Tetrachloroethene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	127-18-4	
Tetrahydrofuran	ND	ug/kg	2530	1	04/29/25 11:30	04/29/25 22:18	109-99-9	L1
Toluene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	79-00-5	
Trichloroethene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	253	1	04/29/25 11:30	04/29/25 22:18	76-13-1	
1,2,4-Trimethylbenzene	**63.3**	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	108-67-8	
Vinyl chloride	ND	ug/kg	25.3	1	04/29/25 11:30	04/29/25 22:18	75-01-4	
Xylene (Total)	ND	ug/kg	190	1	04/29/25 11:30	04/29/25 22:18	1330-20-7	
m&p-Xylene	ND	ug/kg	126	1	04/29/25 11:30	04/29/25 22:18	179601-23-1	
o-Xylene	ND	ug/kg	63.2	1	04/29/25 11:30	04/29/25 22:18	95-47-6	
Surrogates								
Toluene-d8 (S)	110	%.	75-125	1	04/29/25 11:30	04/29/25 22:18	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125	1	04/29/25 11:30	04/29/25 22:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	04/29/25 11:30	04/29/25 22:18	2199-69-1	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**82.4**	%		1	05/02/25 09:40	05/02/25 09:50		

Sample: P-5 (10-11) **Lab ID: 10732221010** Collected: 04/22/25 12:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	**143**	mg/kg	4.81	1	05/04/25 08:00	05/04/25 22:02	68334-30-5	
Fuel Oil #6	ND	mg/kg	4.81	1	05/04/25 08:00	05/04/25 22:02		
Hydraulic Fluid	ND	mg/kg	4.81	1	05/04/25 08:00	05/04/25 22:02		
Kerosene	ND	mg/kg	4.81	1	05/04/25 08:00	05/04/25 22:02	8008-20-6	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-5 (10-11) **Lab ID: 10732221010** Collected: 04/22/25 12:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Mineral Spirits	ND	mg/kg	4.81	1	05/04/25 08:00	05/04/25 22:02	8030-30-6	
Motor Oil Range	**291**	mg/kg	60.0	5	05/04/25 08:00	05/05/25 18:47	64742-65-0	
Surrogates								
o-Terphenyl (S)	67.0	%	18.0-148	1	05/04/25 08:00	05/04/25 22:02	84-15-1	
o-Terphenyl (S)	34.9	%	18.0-148	5	05/04/25 08:00	05/05/25 18:47	84-15-1	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	**113**	mg/kg	19.3	1	05/09/25 14:46	05/13/25 14:31		H2
Surrogates								
n-Tetracosane (S)	72	%	10-154	1	05/09/25 14:46	05/13/25 14:31	646-31-1	
p-Terphenyl (S)	86	%	55-128	1	05/09/25 14:46	05/13/25 14:31	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0185	25	04/22/25 12:00	05/02/25 11:07	71-43-2	
Ethylbenzene	ND	mg/kg	0.0185	25	04/22/25 12:00	05/02/25 11:07	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.71	25	04/22/25 12:00	05/02/25 11:07		
Methyl-tert-butyl ether	ND	mg/kg	0.185	25	04/22/25 12:00	05/02/25 11:07	1634-04-4	
Toluene	ND	mg/kg	0.185	25	04/22/25 12:00	05/02/25 11:07	108-88-3	
Xylene (Total)	ND	mg/kg	0.0556	25	04/22/25 12:00	05/02/25 11:07	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	97.6	%	77.0-120	25	04/22/25 12:00	05/02/25 11:07	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	101	%	72.0-128	25	04/22/25 12:00	05/02/25 11:07	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**16.9**	%	0.10	1		04/29/25 13:05		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1030	1	04/29/25 11:30	04/29/25 22:34	67-64-1	
Allyl chloride	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	107-05-1	L1
Benzene	ND	ug/kg	20.5	1	04/29/25 11:30	04/29/25 22:34	71-43-2	
Bromobenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	108-86-1	
Bromochloromethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	74-97-5	
Bromodichloromethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	75-27-4	
Bromoform	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	75-25-2	
Bromomethane	ND	ug/kg	513	1	04/29/25 11:30	04/29/25 22:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	257	1	04/29/25 11:30	04/29/25 22:34	78-93-3	L1
n-Butylbenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	104-51-8	
sec-Butylbenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	135-98-8	
tert-Butylbenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	98-06-6	
Carbon tetrachloride	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	56-23-5	
Chlorobenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	108-90-7	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-5 (10-11) **Lab ID: 10732221010** Collected: 04/22/25 12:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Chloroethane	ND	ug/kg	513	1	04/29/25 11:30	04/29/25 22:34	75-00-3	
Chloroform	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	67-66-3	
Chloromethane	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	74-87-3	
2-Chlorotoluene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	95-49-8	
4-Chlorotoluene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	513	1	04/29/25 11:30	04/29/25 22:34	96-12-8	
Dibromochloromethane	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	106-93-4	
Dibromomethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	156-60-5	
Dichlorofluoromethane	ND	ug/kg	513	1	04/29/25 11:30	04/29/25 22:34	75-43-4	
1,2-Dichloropropane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	78-87-5	
1,3-Dichloropropane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	142-28-9	
2,2-Dichloropropane	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	594-20-7	
1,1-Dichloropropene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	60-29-7	
Ethylbenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	257	1	04/29/25 11:30	04/29/25 22:34	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	98-82-8	
p-Isopropyltoluene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	99-87-6	
Methylene Chloride	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	257	1	04/29/25 11:30	04/29/25 22:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	1634-04-4	
Naphthalene	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	91-20-3	
n-Propylbenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	103-65-1	
Styrene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	79-34-5	
Tetrachloroethene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	127-18-4	
Tetrahydrofuran	ND	ug/kg	2050	1	04/29/25 11:30	04/29/25 22:34	109-99-9	L1
Toluene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	79-00-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-5 (10-11) **Lab ID: 10732221010** Collected: 04/22/25 12:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Trichloroethene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	205	1	04/29/25 11:30	04/29/25 22:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	108-67-8	
Vinyl chloride	ND	ug/kg	20.5	1	04/29/25 11:30	04/29/25 22:34	75-01-4	
Xylene (Total)	ND	ug/kg	154	1	04/29/25 11:30	04/29/25 22:34	1330-20-7	
m&p-Xylene	ND	ug/kg	103	1	04/29/25 11:30	04/29/25 22:34	179601-23-1	
o-Xylene	ND	ug/kg	51.3	1	04/29/25 11:30	04/29/25 22:34	95-47-6	
Surrogates								
Toluene-d8 (S)	110	%.	75-125	1	04/29/25 11:30	04/29/25 22:34	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125	1	04/29/25 11:30	04/29/25 22:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1	04/29/25 11:30	04/29/25 22:34	2199-69-1	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**83.3**	%		1	05/02/25 09:40	05/02/25 09:50		

Sample: P-6 (8-10) **Lab ID: 10732221011** Collected: 04/22/25 12:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	ND	mg/kg	23.0	5	05/04/25 08:00	05/05/25 18:19	68334-30-5	
Fuel Oil #6	ND	mg/kg	23.0	5	05/04/25 08:00	05/05/25 18:19		
Hydraulic Fluid	ND	mg/kg	23.0	5	05/04/25 08:00	05/05/25 18:19		
Kerosene	ND	mg/kg	23.0	5	05/04/25 08:00	05/05/25 18:19	8008-20-6	
Mineral Spirits	ND	mg/kg	23.0	5	05/04/25 08:00	05/05/25 18:19	8030-30-6	
Motor Oil Range	**69.7**	mg/kg	57.4	5	05/04/25 08:00	05/05/25 18:19	64742-65-0	
Surrogates								
o-Terphenyl (S)	32.8	%	18.0-148	5	05/04/25 08:00	05/05/25 18:19	84-15-1	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	**24.1**	mg/kg	20.0	1	05/09/25 14:46	05/13/25 10:40		H2
Surrogates								
n-Tetracosane (S)	83	%	10-154	1	05/09/25 14:46	05/13/25 10:40	646-31-1	
p-Terphenyl (S)	98	%	55-128	1	05/09/25 14:46	05/13/25 10:40	92-94-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-6 (8-10) **Lab ID: 10732221011** Collected: 04/22/25 12:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1							
	Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0165	25	04/22/25 12:30	05/02/25 11:30	71-43-2	
Ethylbenzene	ND	mg/kg	0.0165	25	04/22/25 12:30	05/02/25 11:30	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.29	25	04/22/25 12:30	05/02/25 11:30		
Methyl-tert-butyl ether	ND	mg/kg	0.165	25	04/22/25 12:30	05/02/25 11:30	1634-04-4	
Toluene	ND	mg/kg	0.165	25	04/22/25 12:30	05/02/25 11:30	108-88-3	
Xylene (Total)	ND	mg/kg	0.0494	25	04/22/25 12:30	05/02/25 11:30	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.2	%	77.0-120	25	04/22/25 12:30	05/02/25 11:30	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	101	%	72.0-128	25	04/22/25 12:30	05/02/25 11:30	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974							
	Pace Analytical Services - Minneapolis							
Percent Moisture	**14.9**	%	0.10	1		04/29/25 13:05		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B							
	Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1190	1	04/29/25 11:30	04/29/25 22:51	67-64-1	
Allyl chloride	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	107-05-1	L1
Benzene	ND	ug/kg	23.9	1	04/29/25 11:30	04/29/25 22:51	71-43-2	
Bromobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	108-86-1	
Bromochloromethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	74-97-5	
Bromodichloromethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	75-27-4	
Bromoform	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	75-25-2	
Bromomethane	ND	ug/kg	597	1	04/29/25 11:30	04/29/25 22:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	299	1	04/29/25 11:30	04/29/25 22:51	78-93-3	L1
n-Butylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	98-06-6	
Carbon tetrachloride	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	56-23-5	
Chlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	108-90-7	
Chloroethane	ND	ug/kg	597	1	04/29/25 11:30	04/29/25 22:51	75-00-3	
Chloroform	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	67-66-3	
Chloromethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	597	1	04/29/25 11:30	04/29/25 22:51	96-12-8	
Dibromochloromethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	106-93-4	
Dibromomethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	107-06-2	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-6 (8-10) **Lab ID: 10732221011** Collected: 04/22/25 12:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
1,1-Dichloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	156-60-5	
Dichlorofluoromethane	ND	ug/kg	597	1	04/29/25 11:30	04/29/25 22:51	75-43-4	
1,2-Dichloropropane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	60-29-7	
Ethylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	299	1	04/29/25 11:30	04/29/25 22:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	99-87-6	
Methylene Chloride	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	299	1	04/29/25 11:30	04/29/25 22:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	1634-04-4	
Naphthalene	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	91-20-3	
n-Propylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	103-65-1	
Styrene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	79-34-5	
Tetrachloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	127-18-4	
Tetrahydrofuran	ND	ug/kg	2390	1	04/29/25 11:30	04/29/25 22:51	109-99-9	L1
Toluene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	79-00-5	
Trichloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 22:51	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	108-67-8	
Vinyl chloride	ND	ug/kg	23.9	1	04/29/25 11:30	04/29/25 22:51	75-01-4	
Xylene (Total)	ND	ug/kg	179	1	04/29/25 11:30	04/29/25 22:51	1330-20-7	
m&p-Xylene	ND	ug/kg	119	1	04/29/25 11:30	04/29/25 22:51	179601-23-1	
o-Xylene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 22:51	95-47-6	
Surrogates								
Toluene-d8 (S)	109	%.	75-125	1	04/29/25 11:30	04/29/25 22:51	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125	1	04/29/25 11:30	04/29/25 22:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1	04/29/25 11:30	04/29/25 22:51	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-6 (8-10) **Lab ID: 10732221011** Collected: 04/22/25 12:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**87.0**	%		1	05/02/25 09:40	05/02/25 09:50		

Sample: P-6 (12-14) **Lab ID: 10732221012** Collected: 04/22/25 12:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	ND	mg/kg	4.94	1	05/04/25 08:00	05/04/25 21:23	68334-30-5	
Fuel Oil #6	ND	mg/kg	4.94	1	05/04/25 08:00	05/04/25 21:23		
Hydraulic Fluid	ND	mg/kg	4.94	1	05/04/25 08:00	05/04/25 21:23		
Kerosene	ND	mg/kg	4.94	1	05/04/25 08:00	05/04/25 21:23	8008-20-6	
Mineral Spirits	ND	mg/kg	4.94	1	05/04/25 08:00	05/04/25 21:23	8030-30-6	
Motor Oil Range	ND	mg/kg	12.3	1	05/04/25 08:00	05/04/25 21:23	64742-65-0	
Surrogates								
o-Terphenyl (S)	53.9	%	18.0-148	1	05/04/25 08:00	05/04/25 21:23	84-15-1	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	19.0	1	05/12/25 23:45	05/13/25 11:30		H2
Surrogates								
n-Tetracosane (S)	106	%	10-154	1	05/12/25 23:45	05/13/25 11:30	646-31-1	
p-Terphenyl (S)	88	%	55-128	1	05/12/25 23:45	05/13/25 11:30	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0198	25	04/22/25 12:30	05/02/25 11:52	71-43-2	
Ethylbenzene	ND	mg/kg	0.0198	25	04/22/25 12:30	05/02/25 11:52	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.97	25	04/22/25 12:30	05/02/25 11:52		
Methyl-tert-butyl ether	ND	mg/kg	0.198	25	04/22/25 12:30	05/02/25 11:52	1634-04-4	
Toluene	ND	mg/kg	0.198	25	04/22/25 12:30	05/02/25 11:52	108-88-3	
Xylene (Total)	ND	mg/kg	0.0595	25	04/22/25 12:30	05/02/25 11:52	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	97.9	%	77.0-120	25	04/22/25 12:30	05/02/25 11:52	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	102	%	72.0-128	25	04/22/25 12:30	05/02/25 11:52	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**19.5**	%	0.10	1		04/29/25 13:06		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1160	1	04/29/25 11:30	04/29/25 23:07	67-64-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-6 (12-14) **Lab ID: 10732221012** Collected: 04/22/25 12:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Allyl chloride	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	107-05-1	L1
Benzene	ND	ug/kg	23.2	1	04/29/25 11:30	04/29/25 23:07	71-43-2	
Bromobenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	108-86-1	
Bromochloromethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	74-97-5	
Bromodichloromethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	75-27-4	
Bromoform	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	75-25-2	
Bromomethane	ND	ug/kg	580	1	04/29/25 11:30	04/29/25 23:07	74-83-9	
2-Butanone (MEK)	ND	ug/kg	290	1	04/29/25 11:30	04/29/25 23:07	78-93-3	L1
n-Butylbenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	135-98-8	
tert-Butylbenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	98-06-6	
Carbon tetrachloride	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	56-23-5	
Chlorobenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	108-90-7	
Chloroethane	ND	ug/kg	580	1	04/29/25 11:30	04/29/25 23:07	75-00-3	
Chloroform	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	67-66-3	
Chloromethane	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	74-87-3	
2-Chlorotoluene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	95-49-8	
4-Chlorotoluene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	580	1	04/29/25 11:30	04/29/25 23:07	96-12-8	
Dibromochloromethane	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	106-93-4	
Dibromomethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	75-71-8	
1,1-Dichloroethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	107-06-2	
1,1-Dichloroethene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	156-60-5	
Dichlorofluoromethane	ND	ug/kg	580	1	04/29/25 11:30	04/29/25 23:07	75-43-4	
1,2-Dichloropropane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	142-28-9	
2,2-Dichloropropane	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	594-20-7	
1,1-Dichloropropene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	60-29-7	
Ethylbenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	290	1	04/29/25 11:30	04/29/25 23:07	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	99-87-6	
Methylene Chloride	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	290	1	04/29/25 11:30	04/29/25 23:07	108-10-1	

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-6 (12-14) **Lab ID: 10732221012** Collected: 04/22/25 12:30 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Methyl-tert-butyl ether	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	1634-04-4	
Naphthalene	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	91-20-3	
n-Propylbenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	103-65-1	
Styrene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	79-34-5	
Tetrachloroethene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	127-18-4	
Tetrahydrofuran	ND	ug/kg	2320	1	04/29/25 11:30	04/29/25 23:07	109-99-9	L1
Toluene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	79-00-5	
Trichloroethene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	232	1	04/29/25 11:30	04/29/25 23:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	108-67-8	
Vinyl chloride	ND	ug/kg	23.2	1	04/29/25 11:30	04/29/25 23:07	75-01-4	
Xylene (Total)	ND	ug/kg	174	1	04/29/25 11:30	04/29/25 23:07	1330-20-7	
m&p-Xylene	ND	ug/kg	116	1	04/29/25 11:30	04/29/25 23:07	179601-23-1	
o-Xylene	ND	ug/kg	58.0	1	04/29/25 11:30	04/29/25 23:07	95-47-6	
Surrogates								
Toluene-d8 (S)	110	%.	75-125	1	04/29/25 11:30	04/29/25 23:07	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125	1	04/29/25 11:30	04/29/25 23:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%.	75-125	1	04/29/25 11:30	04/29/25 23:07	2199-69-1	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**81.0**	%		1	05/02/25 09:40	05/02/25 09:50		

Sample: P-7 (2-4) **Lab ID: 10732221013** Collected: 04/22/25 13:25 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	ND	mg/kg	5.08	1	05/04/25 08:00	05/04/25 22:28	68334-30-5	
Fuel Oil #6	ND	mg/kg	5.08	1	05/04/25 08:00	05/04/25 22:28		
Hydraulic Fluid	ND	mg/kg	5.08	1	05/04/25 08:00	05/04/25 22:28		
Kerosene	ND	mg/kg	5.08	1	05/04/25 08:00	05/04/25 22:28	8008-20-6	
Mineral Spirits	ND	mg/kg	5.08	1	05/04/25 08:00	05/04/25 22:28	8030-30-6	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-7 (2-4) **Lab ID: 10732221013** Collected: 04/22/25 13:25 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Motor Oil Range	ND	mg/kg	12.7	1	05/04/25 08:00	05/04/25 22:28	64742-65-0	
Surrogates								
o-Terphenyl (S)	64.2	%	18.0-148	1	05/04/25 08:00	05/04/25 22:28	84-15-1	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	19.4	1	05/12/25 23:45	05/13/25 11:54		H2
Surrogates								
n-Tetracosane (S)	42	%	10-154	1	05/12/25 23:45	05/13/25 11:54	646-31-1	
p-Terphenyl (S)	56	%	55-128	1	05/12/25 23:45	05/13/25 11:54	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0205	25	04/22/25 13:25	05/02/25 12:15	71-43-2	
Ethylbenzene	ND	mg/kg	0.0205	25	04/22/25 13:25	05/02/25 12:15	100-41-4	
Gasoline Range Organics	ND	mg/kg	4.10	25	04/22/25 13:25	05/02/25 12:15		
Methyl-tert-butyl ether	ND	mg/kg	0.205	25	04/22/25 13:25	05/02/25 12:15	1634-04-4	
Toluene	ND	mg/kg	0.205	25	04/22/25 13:25	05/02/25 12:15	108-88-3	
Xylene (Total)	ND	mg/kg	0.0614	25	04/22/25 13:25	05/02/25 12:15	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.4	%	77.0-120	25	04/22/25 13:25	05/02/25 12:15	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	102	%	72.0-128	25	04/22/25 13:25	05/02/25 12:15	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**21.3**	%	0.10	1		04/29/25 13:06		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1190	1	04/29/25 11:30	04/29/25 23:24	67-64-1	
Allyl chloride	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	107-05-1	L1
Benzene	ND	ug/kg	23.9	1	04/29/25 11:30	04/29/25 23:24	71-43-2	
Bromobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	108-86-1	
Bromochloromethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	74-97-5	
Bromodichloromethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	75-27-4	
Bromoform	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	75-25-2	
Bromomethane	ND	ug/kg	597	1	04/29/25 11:30	04/29/25 23:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	299	1	04/29/25 11:30	04/29/25 23:24	78-93-3	L1
n-Butylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	98-06-6	
Carbon tetrachloride	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	56-23-5	
Chlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	108-90-7	
Chloroethane	ND	ug/kg	597	1	04/29/25 11:30	04/29/25 23:24	75-00-3	
Chloroform	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	67-66-3	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-7 (2-4) **Lab ID: 10732221013** Collected: 04/22/25 13:25 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Chloromethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	597	1	04/29/25 11:30	04/29/25 23:24	96-12-8	
Dibromochloromethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	106-93-4	
Dibromomethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	156-60-5	
Dichlorofluoromethane	ND	ug/kg	597	1	04/29/25 11:30	04/29/25 23:24	75-43-4	
1,2-Dichloropropane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	60-29-7	
Ethylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	299	1	04/29/25 11:30	04/29/25 23:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	99-87-6	
Methylene Chloride	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	299	1	04/29/25 11:30	04/29/25 23:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	1634-04-4	
Naphthalene	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	91-20-3	
n-Propylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	103-65-1	
Styrene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	79-34-5	
Tetrachloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	127-18-4	
Tetrahydrofuran	ND	ug/kg	2390	1	04/29/25 11:30	04/29/25 23:24	109-99-9	L1
Toluene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	79-00-5	
Trichloroethene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	75-69-4	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-7 (2-4) **Lab ID: 10732221013** Collected: 04/22/25 13:25 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	239	1	04/29/25 11:30	04/29/25 23:24	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	108-67-8	
Vinyl chloride	ND	ug/kg	23.9	1	04/29/25 11:30	04/29/25 23:24	75-01-4	
Xylene (Total)	ND	ug/kg	179	1	04/29/25 11:30	04/29/25 23:24	1330-20-7	
m&p-Xylene	ND	ug/kg	119	1	04/29/25 11:30	04/29/25 23:24	179601-23-1	
o-Xylene	ND	ug/kg	59.7	1	04/29/25 11:30	04/29/25 23:24	95-47-6	
Surrogates								
Toluene-d8 (S)	110	%.	75-125	1	04/29/25 11:30	04/29/25 23:24	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125	1	04/29/25 11:30	04/29/25 23:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	04/29/25 11:30	04/29/25 23:24	2199-69-1	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**78.5**	%		1	05/02/25 09:40	05/02/25 09:50		

Sample: P-7 (18-19) **Lab ID: 10732221014** Collected: 04/22/25 13:35 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	ND	mg/kg	5.66	1	05/04/25 08:00	05/04/25 19:39	68334-30-5	
Fuel Oil #6	ND	mg/kg	5.66	1	05/04/25 08:00	05/04/25 19:39		
Hydraulic Fluid	ND	mg/kg	5.66	1	05/04/25 08:00	05/04/25 19:39		
Kerosene	ND	mg/kg	5.66	1	05/04/25 08:00	05/04/25 19:39	8008-20-6	
Mineral Spirits	ND	mg/kg	5.66	1	05/04/25 08:00	05/04/25 19:39	8030-30-6	
Motor Oil Range	ND	mg/kg	14.2	1	05/04/25 08:00	05/04/25 19:39	64742-65-0	
Surrogates								
o-Terphenyl (S)	71.4	%	18.0-148	1	05/04/25 08:00	05/04/25 19:39	84-15-1	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	19.0	1	05/09/25 14:46	05/13/25 11:05		H2
Surrogates								
n-Tetracosane (S)	66	%	10-154	1	05/09/25 14:46	05/13/25 11:05	646-31-1	
p-Terphenyl (S)	80	%	55-128	1	05/09/25 14:46	05/13/25 11:05	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0234	25	04/22/25 13:35	05/02/25 12:37	71-43-2	
Ethylbenzene	ND	mg/kg	0.0234	25	04/22/25 13:35	05/02/25 12:37	100-41-4	

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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-7 (18-19) **Lab ID: 10732221014** Collected: 04/22/25 13:35 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1							
	Pace National - Mt. Juliet							
Gasoline Range Organics	ND	mg/kg	4.68	25	04/22/25 13:35	05/02/25 12:37		
Methyl-tert-butyl ether	ND	mg/kg	0.234	25	04/22/25 13:35	05/02/25 12:37	1634-04-4	
Toluene	ND	mg/kg	0.234	25	04/22/25 13:35	05/02/25 12:37	108-88-3	
Xylene (Total)	ND	mg/kg	0.0702	25	04/22/25 13:35	05/02/25 12:37	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	97.8	%	77.0-120	25	04/22/25 13:35	05/02/25 12:37	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	102	%	72.0-128	25	04/22/25 13:35	05/02/25 12:37	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974							
	Pace Analytical Services - Minneapolis							
Percent Moisture	**30.4**	%	0.10	1		04/29/25 13:06		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B							
	Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1630	1	04/29/25 11:30	04/29/25 23:40	67-64-1	
Allyl chloride	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	107-05-1	L1
Benzene	ND	ug/kg	32.6	1	04/29/25 11:30	04/29/25 23:40	71-43-2	
Bromobenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	108-86-1	
Bromochloromethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	74-97-5	
Bromodichloromethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	75-27-4	
Bromoform	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	75-25-2	
Bromomethane	ND	ug/kg	815	1	04/29/25 11:30	04/29/25 23:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	408	1	04/29/25 11:30	04/29/25 23:40	78-93-3	L1
n-Butylbenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	98-06-6	
Carbon tetrachloride	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	56-23-5	
Chlorobenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	108-90-7	
Chloroethane	ND	ug/kg	815	1	04/29/25 11:30	04/29/25 23:40	75-00-3	
Chloroform	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	67-66-3	
Chloromethane	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	815	1	04/29/25 11:30	04/29/25 23:40	96-12-8	
Dibromochloromethane	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	106-93-4	
Dibromomethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	156-59-2	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-7 (18-19) **Lab ID: 10732221014** Collected: 04/22/25 13:35 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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-1,2-Dichloroethene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	156-60-5	
Dichlorofluoromethane	ND	ug/kg	815	1	04/29/25 11:30	04/29/25 23:40	75-43-4	
1,2-Dichloropropane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	60-29-7	
Ethylbenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	408	1	04/29/25 11:30	04/29/25 23:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	99-87-6	
Methylene Chloride	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	408	1	04/29/25 11:30	04/29/25 23:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	1634-04-4	
Naphthalene	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	91-20-3	
n-Propylbenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	103-65-1	
Styrene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	79-34-5	
Tetrachloroethene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	127-18-4	
Tetrahydrofuran	ND	ug/kg	3260	1	04/29/25 11:30	04/29/25 23:40	109-99-9	L1
Toluene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	79-00-5	
Trichloroethene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	326	1	04/29/25 11:30	04/29/25 23:40	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	108-67-8	
Vinyl chloride	ND	ug/kg	32.6	1	04/29/25 11:30	04/29/25 23:40	75-01-4	
Xylene (Total)	ND	ug/kg	245	1	04/29/25 11:30	04/29/25 23:40	1330-20-7	
m&p-Xylene	ND	ug/kg	163	1	04/29/25 11:30	04/29/25 23:40	179601-23-1	
o-Xylene	ND	ug/kg	81.5	1	04/29/25 11:30	04/29/25 23:40	95-47-6	
Surrogates								
Toluene-d8 (S)	111	%.	75-125	1	04/29/25 11:30	04/29/25 23:40	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	1	04/29/25 11:30	04/29/25 23:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1	04/29/25 11:30	04/29/25 23:40	2199-69-1	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-7 (18-19) **Lab ID: 10732221014** Collected: 04/22/25 13:35 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**70.6**	%		1	05/02/25 09:40	05/02/25 09:50		

Sample: P-8 (12-14) **Lab ID: 10732221015** Collected: 04/22/25 15:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	**27.4**	mg/kg	25.0	5	05/04/25 08:00	05/05/25 18:33	68334-30-5	
Fuel Oil #6	ND	mg/kg	25.0	5	05/04/25 08:00	05/05/25 18:33		
Hydraulic Fluid	ND	mg/kg	25.0	5	05/04/25 08:00	05/05/25 18:33		
Kerosene	ND	mg/kg	25.0	5	05/04/25 08:00	05/05/25 18:33	8008-20-6	
Mineral Spirits	ND	mg/kg	25.0	5	05/04/25 08:00	05/05/25 18:33	8030-30-6	
Motor Oil Range	**123**	mg/kg	62.5	5	05/04/25 08:00	05/05/25 18:33	64742-65-0	
Surrogates								
o-Terphenyl (S)	38.4	%	18.0-148	5	05/04/25 08:00	05/05/25 18:33	84-15-1	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	**45.4**	mg/kg	20.0	1	05/09/25 14:46	05/13/25 14:39		H2
Surrogates								
n-Tetracosane (S)	85	%	10-154	1	05/09/25 14:46	05/13/25 14:39	646-31-1	
p-Terphenyl (S)	96	%	55-128	1	05/09/25 14:46	05/13/25 14:39	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0198	25	04/22/25 15:00	05/02/25 13:00	71-43-2	
Ethylbenzene	ND	mg/kg	0.0198	25	04/22/25 15:00	05/02/25 13:00	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.97	25	04/22/25 15:00	05/02/25 13:00		
Methyl-tert-butyl ether	ND	mg/kg	0.198	25	04/22/25 15:00	05/02/25 13:00	1634-04-4	
Toluene	ND	mg/kg	0.198	25	04/22/25 15:00	05/02/25 13:00	108-88-3	
Xylene (Total)	ND	mg/kg	0.0595	25	04/22/25 15:00	05/02/25 13:00	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	97.9	%	77.0-120	25	04/22/25 15:00	05/02/25 13:00	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	101	%	72.0-128	25	04/22/25 15:00	05/02/25 13:00	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**20.8**	%	0.10	1		04/29/25 13:07		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1280	1	04/29/25 11:30	04/29/25 23:57	67-64-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-8 (12-14) **Lab ID: 10732221015** Collected: 04/22/25 15:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Allyl chloride	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	107-05-1	L1
Benzene	ND	ug/kg	25.6	1	04/29/25 11:30	04/29/25 23:57	71-43-2	
Bromobenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	108-86-1	
Bromochloromethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	74-97-5	
Bromodichloromethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	75-27-4	
Bromoform	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	75-25-2	
Bromomethane	ND	ug/kg	639	1	04/29/25 11:30	04/29/25 23:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	320	1	04/29/25 11:30	04/29/25 23:57	78-93-3	L1
n-Butylbenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	98-06-6	
Carbon tetrachloride	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	56-23-5	
Chlorobenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	108-90-7	
Chloroethane	ND	ug/kg	639	1	04/29/25 11:30	04/29/25 23:57	75-00-3	
Chloroform	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	67-66-3	
Chloromethane	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	639	1	04/29/25 11:30	04/29/25 23:57	96-12-8	
Dibromochloromethane	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	106-93-4	
Dibromomethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	156-60-5	
Dichlorofluoromethane	ND	ug/kg	639	1	04/29/25 11:30	04/29/25 23:57	75-43-4	
1,2-Dichloropropane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	60-29-7	
Ethylbenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	320	1	04/29/25 11:30	04/29/25 23:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	99-87-6	
Methylene Chloride	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	320	1	04/29/25 11:30	04/29/25 23:57	108-10-1	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-8 (12-14) **Lab ID: 10732221015** Collected: 04/22/25 15:00 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Methyl-tert-butyl ether	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	1634-04-4	
Naphthalene	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	91-20-3	
n-Propylbenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	103-65-1	
Styrene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	79-34-5	
Tetrachloroethene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	127-18-4	
Tetrahydrofuran	ND	ug/kg	2560	1	04/29/25 11:30	04/29/25 23:57	109-99-9	L1
Toluene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	79-00-5	
Trichloroethene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	256	1	04/29/25 11:30	04/29/25 23:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	108-67-8	
Vinyl chloride	ND	ug/kg	25.6	1	04/29/25 11:30	04/29/25 23:57	75-01-4	
Xylene (Total)	ND	ug/kg	192	1	04/29/25 11:30	04/29/25 23:57	1330-20-7	
m&p-Xylene	ND	ug/kg	128	1	04/29/25 11:30	04/29/25 23:57	179601-23-1	
o-Xylene	ND	ug/kg	63.9	1	04/29/25 11:30	04/29/25 23:57	95-47-6	
Surrogates								
Toluene-d8 (S)	110	%.	75-125	1	04/29/25 11:30	04/29/25 23:57	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125	1	04/29/25 11:30	04/29/25 23:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1	04/29/25 11:30	04/29/25 23:57	2199-69-1	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**80.0**	%		1	05/02/25 09:40	05/02/25 09:50		

Sample: P-8 (16-18) **Lab ID: 10732221016** Collected: 04/22/25 15:10 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	ND	mg/kg	4.79	1	05/04/25 08:00	05/04/25 21:36	68334-30-5	
Fuel Oil #6	ND	mg/kg	4.79	1	05/04/25 08:00	05/04/25 21:36		
Hydraulic Fluid	ND	mg/kg	4.79	1	05/04/25 08:00	05/04/25 21:36		
Kerosene	ND	mg/kg	4.79	1	05/04/25 08:00	05/04/25 21:36	8008-20-6	
Mineral Spirits	ND	mg/kg	4.79	1	05/04/25 08:00	05/04/25 21:36	8030-30-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-8 (16-18) **Lab ID: 10732221016** Collected: 04/22/25 15:10 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Motor Oil Range	ND	mg/kg	12.0	1	05/04/25 08:00	05/04/25 21:36	64742-65-0	
Surrogates								
o-Terphenyl (S)	62.3	%	18.0-148	1	05/04/25 08:00	05/04/25 21:36	84-15-1	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	1	05/09/25 14:46	05/13/25 11:13		H2
Surrogates								
n-Tetracosane (S)	62	%	10-154	1	05/09/25 14:46	05/13/25 11:13	646-31-1	
p-Terphenyl (S)	74	%	55-128	1	05/09/25 14:46	05/13/25 11:13	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0183	25	04/22/25 15:10	05/02/25 13:22	71-43-2	
Ethylbenzene	ND	mg/kg	0.0183	25	04/22/25 15:10	05/02/25 13:22	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.67	25	04/22/25 15:10	05/02/25 13:22		
Methyl-tert-butyl ether	ND	mg/kg	0.183	25	04/22/25 15:10	05/02/25 13:22	1634-04-4	
Toluene	ND	mg/kg	0.183	25	04/22/25 15:10	05/02/25 13:22	108-88-3	
Xylene (Total)	ND	mg/kg	0.0550	25	04/22/25 15:10	05/02/25 13:22	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.3	%	77.0-120	25	04/22/25 15:10	05/02/25 13:22	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	102	%	72.0-128	25	04/22/25 15:10	05/02/25 13:22	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**17.7**	%	0.10	1		04/29/25 13:07		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1120	1	04/29/25 11:30	04/30/25 02:25	67-64-1	
Allyl chloride	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	107-05-1	L1
Benzene	ND	ug/kg	22.4	1	04/29/25 11:30	04/30/25 02:25	71-43-2	
Bromobenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	108-86-1	
Bromochloromethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	74-97-5	
Bromodichloromethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	75-27-4	
Bromoform	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	75-25-2	
Bromomethane	ND	ug/kg	560	1	04/29/25 11:30	04/30/25 02:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	280	1	04/29/25 11:30	04/30/25 02:25	78-93-3	L1
n-Butylbenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	56-23-5	
Chlorobenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	108-90-7	
Chloroethane	ND	ug/kg	560	1	04/29/25 11:30	04/30/25 02:25	75-00-3	
Chloroform	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	67-66-3	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-8 (16-18) **Lab ID: 10732221016** Collected: 04/22/25 15:10 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Chloromethane	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	560	1	04/29/25 11:30	04/30/25 02:25	96-12-8	
Dibromochloromethane	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	106-93-4	
Dibromomethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	156-60-5	
Dichlorofluoromethane	ND	ug/kg	560	1	04/29/25 11:30	04/30/25 02:25	75-43-4	
1,2-Dichloropropane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	60-29-7	
Ethylbenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	280	1	04/29/25 11:30	04/30/25 02:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	99-87-6	
Methylene Chloride	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	280	1	04/29/25 11:30	04/30/25 02:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	1634-04-4	
Naphthalene	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	91-20-3	
n-Propylbenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	103-65-1	
Styrene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	79-34-5	
Tetrachloroethene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	127-18-4	
Tetrahydrofuran	ND	ug/kg	2240	1	04/29/25 11:30	04/30/25 02:25	109-99-9	L1
Toluene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	79-00-5	
Trichloroethene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	75-69-4	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-8 (16-18) **Lab ID: 10732221016** Collected: 04/22/25 15:10 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	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	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 02:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	108-67-8	
Vinyl chloride	ND	ug/kg	22.4	1	04/29/25 11:30	04/30/25 02:25	75-01-4	
Xylene (Total)	ND	ug/kg	168	1	04/29/25 11:30	04/30/25 02:25	1330-20-7	
m&p-Xylene	ND	ug/kg	112	1	04/29/25 11:30	04/30/25 02:25	179601-23-1	
o-Xylene	ND	ug/kg	56.0	1	04/29/25 11:30	04/30/25 02:25	95-47-6	
Surrogates								
Toluene-d8 (S)	112	%.	75-125	1	04/29/25 11:30	04/30/25 02:25	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	1	04/29/25 11:30	04/30/25 02:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	04/29/25 11:30	04/30/25 02:25	2199-69-1	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**83.5**	%		1	05/02/25 09:28	05/02/25 09:38		

Sample: P-9 (2-4) **Lab ID: 10732221017** Collected: 04/22/25 15:25 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	ND	mg/kg	5.60	1	05/04/25 08:00	05/04/25 20:57	68334-30-5	
Fuel Oil #6	ND	mg/kg	5.60	1	05/04/25 08:00	05/04/25 20:57		
Hydraulic Fluid	ND	mg/kg	5.60	1	05/04/25 08:00	05/04/25 20:57		
Kerosene	ND	mg/kg	5.60	1	05/04/25 08:00	05/04/25 20:57	8008-20-6	
Mineral Spirits	ND	mg/kg	5.60	1	05/04/25 08:00	05/04/25 20:57	8030-30-6	
Motor Oil Range	ND	mg/kg	14.0	1	05/04/25 08:00	05/04/25 20:57	64742-65-0	
Surrogates								
o-Terphenyl (S)	57.0	%	18.0-148	1	05/04/25 08:00	05/04/25 20:57	84-15-1	
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
PCB-1016 (Aroclor 1016)	ND	ug/kg	69.3	1	04/29/25 15:47	04/30/25 17:03	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	69.3	1	04/29/25 15:47	04/30/25 17:03	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	69.3	1	04/29/25 15:47	04/30/25 17:03	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	69.3	1	04/29/25 15:47	04/30/25 17:03	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	69.3	1	04/29/25 15:47	04/30/25 17:03	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	69.3	1	04/29/25 15:47	04/30/25 17:03	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	69.3	1	04/29/25 15:47	04/30/25 17:03	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	82	%.	30-150	1	04/29/25 15:47	04/30/25 17:03	877-09-8	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-9 (2-4) **Lab ID: 10732221017** Collected: 04/22/25 15:25 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Surrogates								
Decachlorobiphenyl (S)	79	%.	30-147	1	04/29/25 15:47	04/30/25 17:03	2051-24-3	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	19.3	1	05/09/25 14:46	05/13/25 11:22		H2
Surrogates								
n-Tetracosane (S)	74	%	10-154	1	05/09/25 14:46	05/13/25 11:22	646-31-1	
p-Terphenyl (S)	89	%	55-128	1	05/09/25 14:46	05/13/25 11:22	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0248	25	04/22/25 15:25	05/02/25 13:45	71-43-2	
Ethylbenzene	ND	mg/kg	0.0248	25	04/22/25 15:25	05/02/25 13:45	100-41-4	
Gasoline Range Organics	ND	mg/kg	4.97	25	04/22/25 15:25	05/02/25 13:45		
Methyl-tert-butyl ether	ND	mg/kg	0.248	25	04/22/25 15:25	05/02/25 13:45	1634-04-4	
Toluene	ND	mg/kg	0.248	25	04/22/25 15:25	05/02/25 13:45	108-88-3	
Xylene (Total)	ND	mg/kg	0.0745	25	04/22/25 15:25	05/02/25 13:45	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	97.7	%	77.0-120	25	04/22/25 15:25	05/02/25 13:45	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	101	%	72.0-128	25	04/22/25 15:25	05/02/25 13:45	98-08-8PID	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**18.6**	mg/kg	6.9	5	04/29/25 19:07	04/30/25 11:30	7440-38-2	
Barium	**2210**	mg/kg	3.4	5	04/29/25 19:07	04/30/25 11:30	7440-39-3	
Cadmium	ND	mg/kg	1.0	5	04/29/25 19:07	04/30/25 11:30	7440-43-9	D3
Chromium	**14.0**	mg/kg	3.4	5	04/29/25 19:07	04/30/25 11:30	7440-47-3	
Lead	**25.6**	mg/kg	3.4	5	04/29/25 19:07	04/30/25 11:30	7439-92-1	
Selenium	ND	mg/kg	6.9	5	04/29/25 19:07	04/30/25 11:30	7782-49-2	D3
Silver	ND	mg/kg	3.4	5	04/29/25 19:07	04/30/25 11:30	7440-22-4	D3
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.068**	mg/kg	0.024	1	04/29/25 14:14	04/30/25 15:50	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**28.4**	%	0.10	1		04/29/25 13:07		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1500	1	04/29/25 11:30	04/30/25 00:13	67-64-1	
Allyl chloride	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	107-05-1	L1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-9 (2-4) **Lab ID: 10732221017** Collected: 04/22/25 15:25 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Benzene	ND	ug/kg	29.9	1	04/29/25 11:30	04/30/25 00:13	71-43-2	
Bromobenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	108-86-1	
Bromochloromethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	74-97-5	
Bromodichloromethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	75-27-4	
Bromoform	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	75-25-2	
Bromomethane	ND	ug/kg	748	1	04/29/25 11:30	04/30/25 00:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	374	1	04/29/25 11:30	04/30/25 00:13	78-93-3	L1
n-Butylbenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	98-06-6	
Carbon tetrachloride	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	56-23-5	
Chlorobenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	108-90-7	
Chloroethane	ND	ug/kg	748	1	04/29/25 11:30	04/30/25 00:13	75-00-3	
Chloroform	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	67-66-3	
Chloromethane	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	748	1	04/29/25 11:30	04/30/25 00:13	96-12-8	
Dibromochloromethane	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	106-93-4	
Dibromomethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	156-60-5	
Dichlorofluoromethane	ND	ug/kg	748	1	04/29/25 11:30	04/30/25 00:13	75-43-4	
1,2-Dichloropropane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	60-29-7	
Ethylbenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	374	1	04/29/25 11:30	04/30/25 00:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	99-87-6	
Methylene Chloride	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	374	1	04/29/25 11:30	04/30/25 00:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	1634-04-4	

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ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-9 (2-4) **Lab ID: 10732221017** Collected: 04/22/25 15:25 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Naphthalene	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	91-20-3	
n-Propylbenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	103-65-1	
Styrene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	79-34-5	
Tetrachloroethene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	127-18-4	
Tetrahydrofuran	ND	ug/kg	2990	1	04/29/25 11:30	04/30/25 00:13	109-99-9	L1
Toluene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	79-00-5	
Trichloroethene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	299	1	04/29/25 11:30	04/30/25 00:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	108-67-8	
Vinyl chloride	ND	ug/kg	29.9	1	04/29/25 11:30	04/30/25 00:13	75-01-4	
Xylene (Total)	ND	ug/kg	224	1	04/29/25 11:30	04/30/25 00:13	1330-20-7	
m&p-Xylene	ND	ug/kg	150	1	04/29/25 11:30	04/30/25 00:13	179601-23-1	
o-Xylene	ND	ug/kg	74.8	1	04/29/25 11:30	04/30/25 00:13	95-47-6	
Surrogates								
Toluene-d8 (S)	111	%.	75-125	1	04/29/25 11:30	04/30/25 00:13	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	1	04/29/25 11:30	04/30/25 00:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%.	75-125	1	04/29/25 11:30	04/30/25 00:13	2199-69-1	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**71.4**	%		1	05/02/25 09:28	05/02/25 09:38		

Sample: P-9 (6-7) **Lab ID: 10732221018** Collected: 04/22/25 15:40 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Diesel Fuel Range	ND	mg/kg	4.64	1	05/04/25 08:00	05/04/25 21:10	68334-30-5	
Fuel Oil #6	ND	mg/kg	4.64	1	05/04/25 08:00	05/04/25 21:10		
Hydraulic Fluid	ND	mg/kg	4.64	1	05/04/25 08:00	05/04/25 21:10		
Kerosene	ND	mg/kg	4.64	1	05/04/25 08:00	05/04/25 21:10	8008-20-6	
Mineral Spirits	ND	mg/kg	4.64	1	05/04/25 08:00	05/04/25 21:10	8030-30-6	
Motor Oil Range	ND	mg/kg	11.6	1	05/04/25 08:00	05/04/25 21:10	64742-65-0	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-9 (6-7) **Lab ID: 10732221018** Collected: 04/22/25 15:40 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC) OA2	Analytical Method: OA2 Preparation Method: 3546 Pace National - Mt. Juliet							
Surrogates								
o-Terphenyl (S)	72.9	%	18.0-148	1	05/04/25 08:00	05/04/25 21:10	84-15-1	
OA2 GCS	Analytical Method: OA2 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
Total Petroleum Hydrocarbons	ND	mg/kg	9.9	1	05/06/25 08:48	05/12/25 09:17		
Surrogates								
n-Tetracosane (S)	104	%	10-154	1	05/06/25 08:48	05/12/25 09:17	646-31-1	
p-Terphenyl (S)	106	%	55-128	1	05/06/25 08:48	05/12/25 09:17	92-94-4	
VOA (GC) 8021/OA1	Analytical Method: OA1 Preparation Method: 8021/OA1 Pace National - Mt. Juliet							
Benzene	ND	mg/kg	0.0174	25	04/22/25 15:40	05/02/25 14:07	71-43-2	
Ethylbenzene	ND	mg/kg	0.0174	25	04/22/25 15:40	05/02/25 14:07	100-41-4	
Gasoline Range Organics	ND	mg/kg	3.49	25	04/22/25 15:40	05/02/25 14:07		
Methyl-tert-butyl ether	ND	mg/kg	0.174	25	04/22/25 15:40	05/02/25 14:07	1634-04-4	
Toluene	ND	mg/kg	0.174	25	04/22/25 15:40	05/02/25 14:07	108-88-3	
Xylene (Total)	ND	mg/kg	0.0523	25	04/22/25 15:40	05/02/25 14:07	1330-20-7	
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.1	%	77.0-120	25	04/22/25 15:40	05/02/25 14:07	98-08-8FID	
a,a,a-Trifluorotoluene (PID)	101	%	72.0-128	25	04/22/25 15:40	05/02/25 14:07	98-08-8PID	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**12.5**	%	0.10	1		04/29/25 13:07		N2
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	872	1	04/29/25 11:30	04/30/25 00:30	67-64-1	
Allyl chloride	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	107-05-1	L1
Benzene	ND	ug/kg	17.4	1	04/29/25 11:30	04/30/25 00:30	71-43-2	
Bromobenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	108-86-1	
Bromochloromethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	74-97-5	
Bromodichloromethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	75-27-4	
Bromoform	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	75-25-2	
Bromomethane	ND	ug/kg	436	1	04/29/25 11:30	04/30/25 00:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	218	1	04/29/25 11:30	04/30/25 00:30	78-93-3	L1
n-Butylbenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	98-06-6	
Carbon tetrachloride	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	56-23-5	
Chlorobenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	108-90-7	
Chloroethane	ND	ug/kg	436	1	04/29/25 11:30	04/30/25 00:30	75-00-3	
Chloroform	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	67-66-3	
Chloromethane	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	74-87-3	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-9 (6-7) **Lab ID: 10732221018** Collected: 04/22/25 15:40 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
2-Chlorotoluene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	436	1	04/29/25 11:30	04/30/25 00:30	96-12-8	
Dibromochloromethane	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	106-93-4	
Dibromomethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	156-60-5	
Dichlorofluoromethane	ND	ug/kg	436	1	04/29/25 11:30	04/30/25 00:30	75-43-4	
1,2-Dichloropropane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	60-29-7	
Ethylbenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	218	1	04/29/25 11:30	04/30/25 00:30	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	99-87-6	
Methylene Chloride	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	218	1	04/29/25 11:30	04/30/25 00:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	1634-04-4	
Naphthalene	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	91-20-3	
n-Propylbenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	103-65-1	
Styrene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	79-34-5	
Tetrachloroethene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	127-18-4	
Tetrahydrofuran	ND	ug/kg	1740	1	04/29/25 11:30	04/30/25 00:30	109-99-9	L1
Toluene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	79-00-5	
Trichloroethene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	96-18-4	

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1700 Elm Street
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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: P-9 (6-7) **Lab ID: 10732221018** Collected: 04/22/25 15:40 Received: 04/24/25 08:50 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	174	1	04/29/25 11:30	04/30/25 00:30	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	108-67-8	
Vinyl chloride	ND	ug/kg	17.4	1	04/29/25 11:30	04/30/25 00:30	75-01-4	
Xylene (Total)	ND	ug/kg	131	1	04/29/25 11:30	04/30/25 00:30	1330-20-7	
m&p-Xylene	ND	ug/kg	87.2	1	04/29/25 11:30	04/30/25 00:30	179601-23-1	
o-Xylene	ND	ug/kg	43.6	1	04/29/25 11:30	04/30/25 00:30	95-47-6	
Surrogates								
Toluene-d8 (S)	109	%.	75-125	1	04/29/25 11:30	04/30/25 00:30	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1	04/29/25 11:30	04/30/25 00:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1	04/29/25 11:30	04/30/25 00:30	2199-69-1	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**86.1**	%		1	05/02/25 09:28	05/02/25 09:38		

Sample: Trip Blank **Lab ID: 10732221019** Collected: 04/22/25 00:00 Received: 04/24/25 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Acetone	ND	ug/kg	1000	1	04/29/25 11:30	04/29/25 21:45	67-64-1	
Allyl chloride	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	107-05-1	L1
Benzene	ND	ug/kg	20.0	1	04/29/25 11:30	04/29/25 21:45	71-43-2	
Bromobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	108-86-1	
Bromochloromethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	74-97-5	
Bromodichloromethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	75-27-4	
Bromoform	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	75-25-2	
Bromomethane	ND	ug/kg	500	1	04/29/25 11:30	04/29/25 21:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	250	1	04/29/25 11:30	04/29/25 21:45	78-93-3	L1
n-Butylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	98-06-6	
Carbon tetrachloride	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	56-23-5	
Chlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	108-90-7	
Chloroethane	ND	ug/kg	500	1	04/29/25 11:30	04/29/25 21:45	75-00-3	
Chloroform	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	67-66-3	
Chloromethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	500	1	04/29/25 11:30	04/29/25 21:45	96-12-8	
Dibromochloromethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	124-48-1	

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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: Trip Blank **Lab ID: 10732221019** Collected: 04/22/25 00:00 Received: 04/24/25 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	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)	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	106-93-4	
Dibromomethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	156-60-5	
Dichlorofluoromethane	ND	ug/kg	500	1	04/29/25 11:30	04/29/25 21:45	75-43-4	
1,2-Dichloropropane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	563-58-6	L1
cis-1,3-Dichloropropene	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	60-29-7	
Ethylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	250	1	04/29/25 11:30	04/29/25 21:45	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	99-87-6	
Methylene Chloride	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	250	1	04/29/25 11:30	04/29/25 21:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	1634-04-4	
Naphthalene	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	91-20-3	
n-Propylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	103-65-1	
Styrene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	79-34-5	
Tetrachloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	127-18-4	
Tetrahydrofuran	ND	ug/kg	2000	1	04/29/25 11:30	04/29/25 21:45	109-99-9	L1
Toluene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	79-00-5	
Trichloroethene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	79-01-6	L1
Trichlorofluoromethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	200	1	04/29/25 11:30	04/29/25 21:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	108-67-8	
Vinyl chloride	ND	ug/kg	20.0	1	04/29/25 11:30	04/29/25 21:45	75-01-4	

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

ANALYTICAL RESULTS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Sample: Trip Blank **Lab ID: 10732221019** Collected: 04/22/25 00:00 Received: 04/24/25 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5030 Med Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Xylene (Total)	ND	ug/kg	150	1	04/29/25 11:30	04/29/25 21:45	1330-20-7	
m&p-Xylene	ND	ug/kg	100	1	04/29/25 11:30	04/29/25 21:45	179601-23-1	
o-Xylene	ND	ug/kg	50.0	1	04/29/25 11:30	04/29/25 21:45	95-47-6	
Surrogates								
Toluene-d8 (S)	114	%.	75-125	1	04/29/25 11:30	04/29/25 21:45	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125	1	04/29/25 11:30	04/29/25 21:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1	04/29/25 11:30	04/29/25 21:45	2199-69-1	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 2506299
QC Batch Method: 3546
Analysis Method: OA2
Analysis Description: SVOA (GC) OA2
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

METHOD BLANK: R4209832-1 Matrix: Solid
Associated Lab Samples: 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/kg	ND	4.00	05/04/25 19:13	
Fuel Oil #6	mg/kg	ND	4.00	05/04/25 19:13	
Hydraulic Fluid	mg/kg	ND	4.00	05/04/25 19:13	
Kerosene	mg/kg	ND	4.00	05/04/25 19:13	
Mineral Spirits	mg/kg	ND	4.00	05/04/25 19:13	
Motor Oil Range	mg/kg	ND	10.0	05/04/25 19:13	
o-Terphenyl (S)	%	71.3	18.0-148	05/04/25 19:13	

LABORATORY CONTROL SAMPLE: R4209832-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/kg	50.0	39.1	78.2	50.0-150	
o-Terphenyl (S)	%			84.7	18.0-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4209832-3 R4209832-4

Parameter	Units	10732221014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range	mg/kg	5.02	69.6	69.9	45.0	50.0	56.5	63.4	50.0-150	10.6	20	
o-Terphenyl (S)	%						52.6	57.6	18.0-148			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 2504938
QC Batch Method: 8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

METHOD BLANK: R4209685-4 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	mg/kg	ND	0.0125	05/02/25 04:52	
Ethylbenzene	mg/kg	ND	0.0125	05/02/25 04:52	
Gasoline Range Organics	mg/kg	ND	2.50	05/02/25 04:52	
Methyl-tert-butyl ether	mg/kg	ND	0.125	05/02/25 04:52	
Toluene	mg/kg	ND	0.125	05/02/25 04:52	
Xylene (Total)	mg/kg	ND	0.0375	05/02/25 04:52	
a,a,a-Trifluorotoluene (FID)	%	98.1	77.0-120	05/02/25 04:52	
a,a,a-Trifluorotoluene (PID)	%	101	72.0-128	05/02/25 04:52	

LABORATORY CONTROL SAMPLE & LCSD: R4209685-1 R4209685-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	5.00	5.34	5.81	107	116	72.0-127	8.43	20	
a,a,a-Trifluorotoluene (FID)	%				108	110	77.0-120			
a,a,a-Trifluorotoluene (PID)	%				110	112	72.0-128			

LABORATORY CONTROL SAMPLE & LCSD: R4209685-2 R4209685-5

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	mg/kg	0.0500	0.0522	0.0543	104	109	76.0-121	3.94	20	
Ethylbenzene	mg/kg	0.0500	0.0555	0.0490	111	98.0	80.0-124	12.4	20	
Methyl-tert-butyl ether	mg/kg	0.0500	0.0567	0.0571	113	114	71.0-121	0.703	20	
Toluene	mg/kg	0.0500	0.0561	0.0481	112	96.2	80.0-120	15.4	20	
Xylene (Total)	mg/kg	0.150	0.155	0.148	103	98.7	37.0-160	4.62	20	
a,a,a-Trifluorotoluene (FID)	%				98.3	98.0	77.0-120			
a,a,a-Trifluorotoluene (PID)	%				103	101	72.0-128			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4209685-6 R4209685-7

Parameter	Units	L1852222-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	0.864	118	118	140	133	118	112	10.0-151	5.04	28	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		R4209685-6			R4209685-7							
Parameter	Units	L1852222-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
a,a,a-Trifluorotoluene (FID)	%						108	107	77.0-120			
a,a,a-Trifluorotoluene (PID)	%						110	108	72.0-128			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 2504938
QC Batch Method: 8015/8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

METHOD BLANK: R4209685-4 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	mg/kg	ND	0.0125	05/02/25 04:52	
Ethylbenzene	mg/kg	ND	0.0125	05/02/25 04:52	
Gasoline Range Organics	mg/kg	ND	2.50	05/02/25 04:52	
Methyl-tert-butyl ether	mg/kg	ND	0.125	05/02/25 04:52	
Toluene	mg/kg	ND	0.125	05/02/25 04:52	
Xylene (Total)	mg/kg	ND	0.0375	05/02/25 04:52	
a,a,a-Trifluorotoluene (FID)	%	98.1	77.0-120	05/02/25 04:52	
a,a,a-Trifluorotoluene (PID)	%	101	72.0-128	05/02/25 04:52	

LABORATORY CONTROL SAMPLE & LCSD: R4209685-1 R4209685-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	5.00	5.34	5.81	107	116	72.0-127	8.43	20	
a,a,a-Trifluorotoluene (FID)	%				108	110	77.0-120			
a,a,a-Trifluorotoluene (PID)	%				110	112	72.0-128			

LABORATORY CONTROL SAMPLE & LCSD: R4209685-2 R4209685-5

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	mg/kg	0.0500	0.0522	0.0543	104	109	76.0-121	3.94	20	
Ethylbenzene	mg/kg	0.0500	0.0555	0.0490	111	98.0	80.0-124	12.4	20	
Methyl-tert-butyl ether	mg/kg	0.0500	0.0567	0.0571	113	114	71.0-121	0.703	20	
Toluene	mg/kg	0.0500	0.0561	0.0481	112	96.2	80.0-120	15.4	20	
Xylene (Total)	mg/kg	0.150	0.155	0.148	103	98.7	37.0-160	4.62	20	
a,a,a-Trifluorotoluene (FID)	%				98.3	98.0	77.0-120			
a,a,a-Trifluorotoluene (PID)	%				103	101	72.0-128			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4209685-6 R4209685-7

Parameter	Units	L1852222-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	0.864	118	118	140	133	118	112	10.0-151	5.04	28	

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(612)607-1700

QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		R4209685-6			R4209685-7							
Parameter	Units	L1852222-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
a,a,a-Trifluorotoluene (FID)	%						108	107	77.0-120			
a,a,a-Trifluorotoluene (PID)	%						110	108	72.0-128			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 2504938
QC Batch Method: 8015
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

METHOD BLANK: R4209685-4 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	mg/kg	ND	0.0125	05/02/25 04:52	
Ethylbenzene	mg/kg	ND	0.0125	05/02/25 04:52	
Gasoline Range Organics	mg/kg	ND	2.50	05/02/25 04:52	
Methyl-tert-butyl ether	mg/kg	ND	0.125	05/02/25 04:52	
Toluene	mg/kg	ND	0.125	05/02/25 04:52	
Xylene (Total)	mg/kg	ND	0.0375	05/02/25 04:52	
a,a,a-Trifluorotoluene (FID)	%	98.1	77.0-120	05/02/25 04:52	
a,a,a-Trifluorotoluene (PID)	%	101	72.0-128	05/02/25 04:52	

LABORATORY CONTROL SAMPLE & LCSD: R4209685-1 R4209685-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	5.00	5.34	5.81	107	116	72.0-127	8.43	20	
a,a,a-Trifluorotoluene (FID)	%				108	110	77.0-120			
a,a,a-Trifluorotoluene (PID)	%				110	112	72.0-128			

LABORATORY CONTROL SAMPLE & LCSD: R4209685-2 R4209685-5

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	mg/kg	0.0500	0.0522	0.0543	104	109	76.0-121	3.94	20	
Ethylbenzene	mg/kg	0.0500	0.0555	0.0490	111	98.0	80.0-124	12.4	20	
Methyl-tert-butyl ether	mg/kg	0.0500	0.0567	0.0571	113	114	71.0-121	0.703	20	
Toluene	mg/kg	0.0500	0.0561	0.0481	112	96.2	80.0-120	15.4	20	
Xylene (Total)	mg/kg	0.150	0.155	0.148	103	98.7	37.0-160	4.62	20	
a,a,a-Trifluorotoluene (FID)	%				98.3	98.0	77.0-120			
a,a,a-Trifluorotoluene (PID)	%				103	101	72.0-128			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4209685-6 R4209685-7

Parameter	Units	L1852222-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	0.864	118	118	140	133	118	112	10.0-151	5.04	28	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		R4209685-6			R4209685-7							
Parameter	Units	L1852222-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
a,a,a-Trifluorotoluene (FID)	%						108	107	77.0-120			
a,a,a-Trifluorotoluene (PID)	%						110	108	72.0-128			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003525
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10732221001, 10732221003, 10732221004, 10732221005, 10732221007

METHOD BLANK: 5233727 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221003, 10732221004, 10732221005, 10732221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	04/30/25 12:58	

LABORATORY CONTROL SAMPLE: 5233728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.47	0.45	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5233729 5233730

Parameter	Units	10732911001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.045	0.45	0.47	0.48	0.49	97	95	80-120	4	20	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003902
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10732221017

METHOD BLANK: 5235204 Matrix: Solid
Associated Lab Samples: 10732221017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.019	04/30/25 15:44	

LABORATORY CONTROL SAMPLE: 5235205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.48	0.46	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5235206 5235207

Parameter	Units	10732188001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.61	0.61	0.61	0.60	98	95	80-120	2	20	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003523
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10732221001, 10732221003, 10732221004, 10732221005, 10732221007

METHOD BLANK: 5233719 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221003, 10732221004, 10732221005, 10732221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.99	04/29/25 15:13	
Barium	mg/kg	ND	0.49	04/29/25 15:13	
Cadmium	mg/kg	ND	0.15	04/29/25 15:13	
Chromium	mg/kg	ND	0.49	04/29/25 15:13	
Lead	mg/kg	ND	0.49	04/29/25 15:13	
Selenium	mg/kg	ND	0.99	04/29/25 15:13	
Silver	mg/kg	ND	0.49	04/29/25 15:13	

LABORATORY CONTROL SAMPLE: 5233720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	49.6	47.5	96	80-120	
Barium	mg/kg	49.6	50.6	102	80-120	
Cadmium	mg/kg	49.6	50.3	101	80-120	
Chromium	mg/kg	49.6	50.3	101	80-120	
Lead	mg/kg	49.6	49.6	100	80-120	
Selenium	mg/kg	49.6	46.3	93	80-120	
Silver	mg/kg	24.8	23.1	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5233721 5233722

Parameter	Units	10732714001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	13.8	46.8	48.9	50.3	57.1	78	88	75-125	13	20	
Barium	mg/kg	1540	46.8	48.9	1410	1410	-287	-258	75-125	1	20	P6
Cadmium	mg/kg	ND	46.8	48.9	39.2	44.4	83	90	75-125	13	20	
Chromium	mg/kg	11.0	46.8	48.9	48.4	57.5	80	95	75-125	17	20	
Lead	mg/kg	16.7	46.8	48.9	57.2	62.3	87	93	75-125	9	20	
Selenium	mg/kg	ND	46.8	48.9	37.4	42.8	78	86	75-125	13	20	
Silver	mg/kg	ND	23.4	24.4	18.1	20.7	78	85	75-125	13	20	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003900
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10732221017

METHOD BLANK: 5235196 Matrix: Solid
Associated Lab Samples: 10732221017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.94	04/30/25 11:25	
Barium	mg/kg	ND	0.47	04/30/25 11:25	
Cadmium	mg/kg	ND	0.14	04/30/25 11:25	
Chromium	mg/kg	ND	0.47	04/30/25 11:25	
Lead	mg/kg	ND	0.47	04/30/25 11:25	
Selenium	mg/kg	ND	0.94	04/30/25 11:25	
Silver	mg/kg	ND	0.47	04/30/25 11:25	

LABORATORY CONTROL SAMPLE: 5235197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	48.3	45.5	94	80-120	
Barium	mg/kg	48.3	47.4	98	80-120	
Cadmium	mg/kg	48.3	47.8	99	80-120	
Chromium	mg/kg	48.3	47.5	98	80-120	
Lead	mg/kg	48.3	47.3	98	80-120	
Selenium	mg/kg	48.3	43.9	91	80-120	
Silver	mg/kg	24.2	22.2	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5235198 5235199

Parameter	Units	10732188001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.1	65.1	60.6	59.1	56.0	86	87	75-125	5	20	
Barium	mg/kg	106	65.1	60.6	182	181	117	124	75-125	1	20	
Cadmium	mg/kg	0.26	65.1	60.6	55.5	51.9	85	85	75-125	7	20	
Chromium	mg/kg	12.0	65.1	60.6	73.4	69.0	94	94	75-125	6	20	
Lead	mg/kg	8.5	65.1	60.6	65.1	61.6	87	88	75-125	6	20	
Selenium	mg/kg	ND	65.1	60.6	55.6	52.2	85	85	75-125	6	20	
Silver	mg/kg	ND	32.6	30.3	28.9	27.1	89	89	75-125	6	20	

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(612)607-1700

QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003800
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018

SAMPLE DUPLICATE: 5234860

Parameter	Units	10732221012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.5	19.7	1	30	N2

SAMPLE DUPLICATE: 5235153

Parameter	Units	10732221003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.9	25.8	1	30	N2

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003860
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: 10732221008, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018, 10732221019

METHOD BLANK: 5235035 Matrix: Solid
Associated Lab Samples: 10732221008, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018, 10732221019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	50.0	04/29/25 21:11	
1,1,1-Trichloroethane	ug/kg	ND	50.0	04/29/25 21:11	
1,1,2,2-Tetrachloroethane	ug/kg	ND	50.0	04/29/25 21:11	
1,1,2-Trichloroethane	ug/kg	ND	50.0	04/29/25 21:11	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	200	04/29/25 21:11	
1,1-Dichloroethane	ug/kg	ND	50.0	04/29/25 21:11	
1,1-Dichloroethene	ug/kg	ND	50.0	04/29/25 21:11	
1,1-Dichloropropene	ug/kg	ND	50.0	04/29/25 21:11	
1,2,3-Trichlorobenzene	ug/kg	ND	50.0	04/29/25 21:11	
1,2,3-Trichloropropane	ug/kg	ND	200	04/29/25 21:11	
1,2,4-Trichlorobenzene	ug/kg	ND	50.0	04/29/25 21:11	
1,2,4-Trimethylbenzene	ug/kg	ND	50.0	04/29/25 21:11	
1,2-Dibromo-3-chloropropane	ug/kg	ND	500	04/29/25 21:11	
1,2-Dibromoethane (EDB)	ug/kg	ND	50.0	04/29/25 21:11	
1,2-Dichlorobenzene	ug/kg	ND	50.0	04/29/25 21:11	
1,2-Dichloroethane	ug/kg	ND	50.0	04/29/25 21:11	
1,2-Dichloropropane	ug/kg	ND	50.0	04/29/25 21:11	
1,3,5-Trimethylbenzene	ug/kg	ND	50.0	04/29/25 21:11	
1,3-Dichlorobenzene	ug/kg	ND	50.0	04/29/25 21:11	
1,3-Dichloropropane	ug/kg	ND	50.0	04/29/25 21:11	
1,4-Dichlorobenzene	ug/kg	ND	50.0	04/29/25 21:11	
2,2-Dichloropropane	ug/kg	ND	200	04/29/25 21:11	
2-Butanone (MEK)	ug/kg	ND	250	04/29/25 21:11	
2-Chlorotoluene	ug/kg	ND	50.0	04/29/25 21:11	
4-Chlorotoluene	ug/kg	ND	50.0	04/29/25 21:11	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	250	04/29/25 21:11	
Acetone	ug/kg	ND	1000	04/29/25 21:11	
Allyl chloride	ug/kg	ND	200	04/29/25 21:11	
Benzene	ug/kg	ND	20.0	04/29/25 21:11	
Bromobenzene	ug/kg	ND	50.0	04/29/25 21:11	
Bromochloromethane	ug/kg	ND	50.0	04/29/25 21:11	
Bromodichloromethane	ug/kg	ND	50.0	04/29/25 21:11	
Bromoform	ug/kg	ND	200	04/29/25 21:11	
Bromomethane	ug/kg	ND	500	04/29/25 21:11	
Carbon tetrachloride	ug/kg	ND	50.0	04/29/25 21:11	
Chlorobenzene	ug/kg	ND	50.0	04/29/25 21:11	
Chloroethane	ug/kg	ND	500	04/29/25 21:11	
Chloroform	ug/kg	ND	50.0	04/29/25 21:11	
Chloromethane	ug/kg	ND	200	04/29/25 21:11	

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(612)607-1700

QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

METHOD BLANK: 5235035 Matrix: Solid

Associated Lab Samples: 10732221008, 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015, 10732221016, 10732221017, 10732221018, 10732221019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	50.0	04/29/25 21:11	
cis-1,3-Dichloropropene	ug/kg	ND	200	04/29/25 21:11	MN
Dibromochloromethane	ug/kg	ND	200	04/29/25 21:11	
Dibromomethane	ug/kg	ND	50.0	04/29/25 21:11	
Dichlorodifluoromethane	ug/kg	ND	200	04/29/25 21:11	
Dichlorofluoromethane	ug/kg	ND	500	04/29/25 21:11	
Diethyl ether (Ethyl ether)	ug/kg	ND	200	04/29/25 21:11	
Ethylbenzene	ug/kg	ND	50.0	04/29/25 21:11	
Hexachloro-1,3-butadiene	ug/kg	ND	250	04/29/25 21:11	
Isopropylbenzene (Cumene)	ug/kg	ND	50.0	04/29/25 21:11	
m&p-Xylene	ug/kg	ND	100	04/29/25 21:11	
Methyl-tert-butyl ether	ug/kg	ND	50.0	04/29/25 21:11	
Methylene Chloride	ug/kg	ND	200	04/29/25 21:11	
n-Butylbenzene	ug/kg	ND	50.0	04/29/25 21:11	
n-Propylbenzene	ug/kg	ND	50.0	04/29/25 21:11	
Naphthalene	ug/kg	ND	200	04/29/25 21:11	
o-Xylene	ug/kg	ND	50.0	04/29/25 21:11	
p-Isopropyltoluene	ug/kg	ND	50.0	04/29/25 21:11	
sec-Butylbenzene	ug/kg	ND	50.0	04/29/25 21:11	
Styrene	ug/kg	ND	50.0	04/29/25 21:11	
tert-Butylbenzene	ug/kg	ND	50.0	04/29/25 21:11	
Tetrachloroethene	ug/kg	ND	50.0	04/29/25 21:11	
Tetrahydrofuran	ug/kg	ND	2000	04/29/25 21:11	
Toluene	ug/kg	ND	50.0	04/29/25 21:11	
trans-1,2-Dichloroethene	ug/kg	ND	50.0	04/29/25 21:11	
trans-1,3-Dichloropropene	ug/kg	ND	50.0	04/29/25 21:11	
Trichloroethene	ug/kg	ND	50.0	04/29/25 21:11	
Trichlorofluoromethane	ug/kg	ND	200	04/29/25 21:11	
Vinyl chloride	ug/kg	ND	20.0	04/29/25 21:11	
Xylene (Total)	ug/kg	ND	150	04/29/25 21:11	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	04/29/25 21:11	
4-Bromofluorobenzene (S)	%.	102	75-125	04/29/25 21:11	
Toluene-d8 (S)	%.	110	75-125	04/29/25 21:11	

LABORATORY CONTROL SAMPLE & LCSD: 5235036 5235037

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	940	913	94	91	73-127	3	20	
1,1,1-Trichloroethane	ug/kg	1000	1160	1140	116	114	73-125	2	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	826	859	83	86	66-126	4	20	v2
1,1,2-Trichloroethane	ug/kg	1000	987	983	99	98	75-125	0	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1100	1160	110	116	67-139	5	20	v1
1,1-Dichloroethane	ug/kg	1000	1170	1170	117	117	75-125	0	20	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

LABORATORY CONTROL SAMPLE & LCSD: 5235036 5235037

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/kg	1000	1110	1090	111	109	75-127	2	20	
1,1-Dichloropropene	ug/kg	1000	1270	1250	127	125	75-125	2	20	L1,v1
1,2,3-Trichlorobenzene	ug/kg	1000	978	1050	98	105	70-125	7	20	
1,2,3-Trichloropropane	ug/kg	1000	880	888	88	89	75-125	1	20	
1,2,4-Trichlorobenzene	ug/kg	1000	971	976	97	98	75-125	0	20	
1,2,4-Trimethylbenzene	ug/kg	1000	978	997	98	100	75-125	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	717	782	72	78	72-125	9	20	v2
1,2-Dibromoethane (EDB)	ug/kg	1000	879	909	88	91	75-125	3	20	
1,2-Dichlorobenzene	ug/kg	1000	888	913	89	91	75-125	3	20	
1,2-Dichloroethane	ug/kg	1000	1240	1230	124	123	75-125	0	20	
1,2-Dichloropropane	ug/kg	1000	1230	1240	123	124	75-125	0	20	
1,3,5-Trimethylbenzene	ug/kg	1000	976	986	98	99	75-125	1	20	
1,3-Dichlorobenzene	ug/kg	1000	905	932	91	93	75-125	3	20	
1,3-Dichloropropane	ug/kg	1000	954	960	95	96	75-125	1	20	
1,4-Dichlorobenzene	ug/kg	1000	902	898	90	90	75-125	0	20	
2,2-Dichloropropane	ug/kg	1000	1150	1170	115	117	56-128	2	20	
2-Butanone (MEK)	ug/kg	5000	6350	7150	127	143	70-129	12	20	L1
2-Chlorotoluene	ug/kg	1000	947	947	95	95	75-125	0	20	
4-Chlorotoluene	ug/kg	1000	946	975	95	98	75-125	3	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	4510	4800	90	96	75-127	6	20	v2
Acetone	ug/kg	5000	5740	6290	115	126	68-130	9	20	
Allyl chloride	ug/kg	1000	1220	1310	122	131	69-125	7	20	L1,v1
Benzene	ug/kg	1000	1180	1210	118	121	75-125	3	20	
Bromobenzene	ug/kg	1000	919	965	92	96	75-125	5	20	
Bromochloromethane	ug/kg	1000	1140	1140	114	114	75-125	1	20	
Bromodichloromethane	ug/kg	1000	1080	1100	108	110	72-125	2	20	
Bromoform	ug/kg	1000	835	936	83	94	64-125	11	20	
Bromomethane	ug/kg	1000	974	936	97	94	32-150	4	20	
Carbon tetrachloride	ug/kg	1000	1110	1120	111	112	72-126	1	20	
Chlorobenzene	ug/kg	1000	932	935	93	94	75-125	0	20	
Chloroethane	ug/kg	1000	998	1000	100	100	49-150	1	20	
Chloroform	ug/kg	1000	1220	1210	122	121	75-125	1	20	
Chloromethane	ug/kg	1000	1100	1090	110	109	64-133	0	20	
cis-1,2-Dichloroethene	ug/kg	1000	1220	1200	122	120	75-125	2	20	
cis-1,3-Dichloropropene	ug/kg	1000	1080	1050	108	105	68-134	2	20	
Dibromochloromethane	ug/kg	1000	774	796	77	80	72-126	3	20	
Dibromomethane	ug/kg	1000	1170	1190	117	119	75-128	1	20	
Dichlorodifluoromethane	ug/kg	1000	1130	1150	113	115	65-144	1	20	
Dichlorofluoromethane	ug/kg	1000	1250	1240	125	124	60-145	1	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	1110	1170	111	117	75-125	6	20	
Ethylbenzene	ug/kg	1000	989	994	99	99	75-125	0	20	
Hexachloro-1,3-butadiene	ug/kg	1000	1130	1090	113	109	67-126	4	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1010	1000	101	100	75-125	0	20	
m&p-Xylene	ug/kg	2000	1900	1930	95	97	75-125	2	20	
Methyl-tert-butyl ether	ug/kg	1000	1190	1220	119	122	75-125	2	20	
Methylene Chloride	ug/kg	1000	1110	1110	111	111	74-125	0	20	v1
n-Butylbenzene	ug/kg	1000	961	971	96	97	66-125	1	20	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

LABORATORY CONTROL SAMPLE & LCSD: 5235036 5235037

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
n-Propylbenzene	ug/kg	1000	971	982	97	98	75-125	1	20	
Naphthalene	ug/kg	1000	938	1030	94	103	75-125	9	20	
o-Xylene	ug/kg	1000	930	947	93	95	75-125	2	20	
p-Isopropyltoluene	ug/kg	1000	1000	1040	100	104	74-125	4	20	
sec-Butylbenzene	ug/kg	1000	998	1010	100	101	74-125	2	20	
Styrene	ug/kg	1000	951	960	95	96	75-125	1	20	
tert-Butylbenzene	ug/kg	1000	957	955	96	95	75-125	0	20	
Tetrachloroethene	ug/kg	1000	986	978	99	98	75-125	1	20	
Tetrahydrofuran	ug/kg	5000	6000	6670	120	133	69-132	10	20	L1
Toluene	ug/kg	1000	1220	1210	122	121	75-125	1	20	
trans-1,2-Dichloroethene	ug/kg	1000	1160	1130	116	113	75-128	2	20	
trans-1,3-Dichloropropene	ug/kg	1000	898	912	90	91	68-129	2	20	
Trichloroethene	ug/kg	1000	1270	1230	127	123	75-125	3	20	L1,v1
Trichlorofluoromethane	ug/kg	1000	1220	1270	122	127	69-146	4	20	
Vinyl chloride	ug/kg	1000	1140	1160	114	116	71-138	2	20	
Xylene (Total)	ug/kg	3000	2830	2880	94	96	75-125	2	20	
1,2-Dichlorobenzene-d4 (S)	%.				99	100	75-125			
4-Bromofluorobenzene (S)	%.				108	107	75-125			
Toluene-d8 (S)	%.				110	113	75-125			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1004410 | 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: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007

METHOD BLANK: 5237480 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	50.0	05/02/25 19:55	
1,1,1-Trichloroethane	ug/kg	ND	50.0	05/02/25 19:55	
1,1,2,2-Tetrachloroethane	ug/kg	ND	50.0	05/02/25 19:55	
1,1,2-Trichloroethane	ug/kg	ND	50.0	05/02/25 19:55	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	200	05/02/25 19:55	
1,1-Dichloroethane	ug/kg	ND	50.0	05/02/25 19:55	
1,1-Dichloroethene	ug/kg	ND	50.0	05/02/25 19:55	
1,1-Dichloropropene	ug/kg	ND	50.0	05/02/25 19:55	
1,2,3-Trichlorobenzene	ug/kg	ND	50.0	05/02/25 19:55	
1,2,3-Trichloropropane	ug/kg	ND	200	05/02/25 19:55	
1,2,4-Trichlorobenzene	ug/kg	ND	50.0	05/02/25 19:55	
1,2,4-Trimethylbenzene	ug/kg	ND	50.0	05/02/25 19:55	
1,2-Dibromo-3-chloropropane	ug/kg	ND	500	05/02/25 19:55	
1,2-Dibromoethane (EDB)	ug/kg	ND	50.0	05/02/25 19:55	
1,2-Dichlorobenzene	ug/kg	ND	50.0	05/02/25 19:55	
1,2-Dichloroethane	ug/kg	ND	50.0	05/02/25 19:55	
1,2-Dichloropropane	ug/kg	ND	50.0	05/02/25 19:55	
1,3,5-Trimethylbenzene	ug/kg	ND	50.0	05/02/25 19:55	
1,3-Dichlorobenzene	ug/kg	ND	50.0	05/02/25 19:55	
1,3-Dichloropropane	ug/kg	ND	50.0	05/02/25 19:55	
1,4-Dichlorobenzene	ug/kg	ND	50.0	05/02/25 19:55	
2,2-Dichloropropane	ug/kg	ND	200	05/02/25 19:55	
2-Butanone (MEK)	ug/kg	ND	250	05/02/25 19:55	
2-Chlorotoluene	ug/kg	ND	50.0	05/02/25 19:55	
4-Chlorotoluene	ug/kg	ND	50.0	05/02/25 19:55	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	250	05/02/25 19:55	
Acetone	ug/kg	ND	1000	05/02/25 19:55	
Allyl chloride	ug/kg	ND	200	05/02/25 19:55	
Benzene	ug/kg	ND	20.0	05/02/25 19:55	
Bromobenzene	ug/kg	ND	50.0	05/02/25 19:55	
Bromochloromethane	ug/kg	ND	50.0	05/02/25 19:55	
Bromodichloromethane	ug/kg	ND	50.0	05/02/25 19:55	
Bromoform	ug/kg	ND	200	05/02/25 19:55	
Bromomethane	ug/kg	ND	500	05/02/25 19:55	
Carbon tetrachloride	ug/kg	ND	50.0	05/02/25 19:55	
Chlorobenzene	ug/kg	ND	50.0	05/02/25 19:55	
Chloroethane	ug/kg	ND	500	05/02/25 19:55	
Chloroform	ug/kg	ND	50.0	05/02/25 19:55	
Chloromethane	ug/kg	ND	200	05/02/25 19:55	
cis-1,2-Dichloroethene	ug/kg	ND	50.0	05/02/25 19:55	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

METHOD BLANK: 5237480 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221002, 10732221003, 10732221004, 10732221005, 10732221006, 10732221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	50.0	05/02/25 19:55	
Dibromochloromethane	ug/kg	ND	200	05/02/25 19:55	
Dibromomethane	ug/kg	ND	50.0	05/02/25 19:55	
Dichlorodifluoromethane	ug/kg	ND	200	05/02/25 19:55	
Dichlorofluoromethane	ug/kg	ND	500	05/02/25 19:55	
Diethyl ether (Ethyl ether)	ug/kg	ND	200	05/02/25 19:55	
Ethylbenzene	ug/kg	ND	50.0	05/02/25 19:55	
Hexachloro-1,3-butadiene	ug/kg	ND	250	05/02/25 19:55	
Isopropylbenzene (Cumene)	ug/kg	ND	50.0	05/02/25 19:55	
m&p-Xylene	ug/kg	ND	100	05/02/25 19:55	
Methyl-tert-butyl ether	ug/kg	ND	50.0	05/02/25 19:55	
Methylene Chloride	ug/kg	ND	200	05/02/25 19:55	
n-Butylbenzene	ug/kg	ND	50.0	05/02/25 19:55	
n-Propylbenzene	ug/kg	ND	50.0	05/02/25 19:55	
Naphthalene	ug/kg	ND	200	05/02/25 19:55	
o-Xylene	ug/kg	ND	50.0	05/02/25 19:55	
p-Isopropyltoluene	ug/kg	ND	50.0	05/02/25 19:55	
sec-Butylbenzene	ug/kg	ND	50.0	05/02/25 19:55	
Styrene	ug/kg	ND	50.0	05/02/25 19:55	
tert-Butylbenzene	ug/kg	ND	50.0	05/02/25 19:55	
Tetrachloroethene	ug/kg	ND	50.0	05/02/25 19:55	
Tetrahydrofuran	ug/kg	ND	2000	05/02/25 19:55	
Toluene	ug/kg	ND	50.0	05/02/25 19:55	
trans-1,2-Dichloroethene	ug/kg	ND	50.0	05/02/25 19:55	
trans-1,3-Dichloropropene	ug/kg	ND	50.0	05/02/25 19:55	
Trichloroethene	ug/kg	ND	50.0	05/02/25 19:55	
Trichlorofluoromethane	ug/kg	ND	200	05/02/25 19:55	
Vinyl chloride	ug/kg	ND	20.0	05/02/25 19:55	
Xylene (Total)	ug/kg	ND	150	05/02/25 19:55	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	05/02/25 19:55	
4-Bromofluorobenzene (S)	%.	98	75-125	05/02/25 19:55	
Toluene-d8 (S)	%.	99	75-125	05/02/25 19:55	

LABORATORY CONTROL SAMPLE & LCSD: 5237481 5237482

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	1030	104	103	73-127	2	20	
1,1,1-Trichloroethane	ug/kg	1000	1050	980	105	98	73-125	7	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	1060	1030	106	103	66-126	4	20	
1,1,2-Trichloroethane	ug/kg	1000	1020	1000	102	100	75-125	2	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	917	857	92	86	67-139	7	20	
1,1-Dichloroethane	ug/kg	1000	990	967	99	97	75-125	2	20	
1,1-Dichloroethene	ug/kg	1000	1010	969	101	97	75-127	5	20	
1,1-Dichloropropene	ug/kg	1000	1010	961	101	96	75-125	6	20	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

LABORATORY CONTROL SAMPLE & LCSD: 5237481 5237482

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	ug/kg	1000	970	981	97	98	70-125	1	20	
1,2,3-Trichloropropane	ug/kg	1000	1000	1060	100	106	75-125	5	20	
1,2,4-Trichlorobenzene	ug/kg	1000	977	979	98	98	75-125	0	20	
1,2,4-Trimethylbenzene	ug/kg	1000	1020	993	102	99	75-125	3	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	992	955	99	96	72-125	4	20	
1,2-Dibromoethane (EDB)	ug/kg	1000	1050	1000	105	100	75-125	4	20	
1,2-Dichlorobenzene	ug/kg	1000	964	935	96	93	75-125	3	20	
1,2-Dichloroethane	ug/kg	1000	982	966	98	97	75-125	2	20	
1,2-Dichloropropane	ug/kg	1000	1000	1010	100	101	75-125	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	993	961	99	96	75-125	3	20	
1,3-Dichlorobenzene	ug/kg	1000	1010	974	101	97	75-125	3	20	
1,3-Dichloropropane	ug/kg	1000	980	956	98	96	75-125	3	20	
1,4-Dichlorobenzene	ug/kg	1000	955	955	95	95	75-125	0	20	
2,2-Dichloropropane	ug/kg	1000	976	916	98	92	56-128	6	20	
2-Butanone (MEK)	ug/kg	5000	5620	5620	112	112	70-129	0	20	
2-Chlorotoluene	ug/kg	1000	1030	1020	103	102	75-125	1	20	
4-Chlorotoluene	ug/kg	1000	1020	991	102	99	75-125	2	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	5580	5370	112	107	75-127	4	20	
Acetone	ug/kg	5000	4760	4670	95	93	68-130	2	20	
Allyl chloride	ug/kg	1000	989	979	99	98	69-125	1	20	
Benzene	ug/kg	1000	1030	987	103	99	75-125	4	20	
Bromobenzene	ug/kg	1000	975	966	98	97	75-125	1	20	
Bromochloromethane	ug/kg	1000	1060	1050	106	105	75-125	1	20	
Bromodichloromethane	ug/kg	1000	1060	1070	106	107	72-125	1	20	
Bromoform	ug/kg	1000	897	891	90	89	64-125	1	20	
Bromomethane	ug/kg	1000	977	968	98	97	32-150	1	20	
Carbon tetrachloride	ug/kg	1000	1140	1140	114	114	72-126	0	20	
Chlorobenzene	ug/kg	1000	994	953	99	95	75-125	4	20	
Chloroethane	ug/kg	1000	995	890	99	89	49-150	11	20	
Chloroform	ug/kg	1000	1000	1010	100	101	75-125	1	20	
Chloromethane	ug/kg	1000	965	931	97	93	64-133	4	20	
cis-1,2-Dichloroethene	ug/kg	1000	978	936	98	94	75-125	4	20	
cis-1,3-Dichloropropene	ug/kg	1000	1060	1070	106	107	68-134	1	20	
Dibromochloromethane	ug/kg	1000	947	957	95	96	72-126	1	20	
Dibromomethane	ug/kg	1000	1080	1030	108	103	75-128	5	20	
Dichlorodifluoromethane	ug/kg	1000	803	815	80	81	65-144	1	20	
Dichlorofluoromethane	ug/kg	1000	996	948	100	95	60-145	5	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	958	989	96	99	75-125	3	20	
Ethylbenzene	ug/kg	1000	1040	978	104	98	75-125	6	20	
Hexachloro-1,3-butadiene	ug/kg	1000	933	983	93	98	67-126	5	20	
Isopropylbenzene (Cumene)	ug/kg	1000	977	940	98	94	75-125	4	20	
m&p-Xylene	ug/kg	2000	2020	1920	101	96	75-125	5	20	
Methyl-tert-butyl ether	ug/kg	1000	985	964	98	96	75-125	2	20	
Methylene Chloride	ug/kg	1000	985	942	98	94	74-125	4	20	
n-Butylbenzene	ug/kg	1000	913	891	91	89	66-125	2	20	
n-Propylbenzene	ug/kg	1000	975	937	98	94	75-125	4	20	
Naphthalene	ug/kg	1000	991	1020	99	102	75-125	3	20	

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(612)607-1700

QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

LABORATORY CONTROL SAMPLE & LCSD: 5237481 5237482

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/kg	1000	1020	930	102	93	75-125	9	20	
p-Isopropyltoluene	ug/kg	1000	969	953	97	95	74-125	2	20	
sec-Butylbenzene	ug/kg	1000	995	931	99	93	74-125	7	20	
Styrene	ug/kg	1000	1020	990	102	99	75-125	3	20	
tert-Butylbenzene	ug/kg	1000	952	953	95	95	75-125	0	20	
Tetrachloroethene	ug/kg	1000	991	978	99	98	75-125	1	20	
Tetrahydrofuran	ug/kg	5000	5110	5130	102	103	69-132	0	20	
Toluene	ug/kg	1000	951	946	95	95	75-125	1	20	
trans-1,2-Dichloroethene	ug/kg	1000	988	959	99	96	75-128	3	20	
trans-1,3-Dichloropropene	ug/kg	1000	1040	992	104	99	68-129	5	20	
Trichloroethene	ug/kg	1000	1020	968	102	97	75-125	5	20	
Trichlorofluoromethane	ug/kg	1000	942	915	94	92	69-146	3	20	
Vinyl chloride	ug/kg	1000	936	890	94	89	71-138	5	20	
Xylene (Total)	ug/kg	3000	3030	2850	101	95	75-125	6	20	
1,2-Dichlorobenzene-d4 (S)	%.				100	100	75-125			
4-Bromofluorobenzene (S)	%.				101	99	75-125			
Toluene-d8 (S)	%.				98	98	75-125			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003530
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10732221001, 10732221003, 10732221005, 10732221007

METHOD BLANK: 5233746 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221003, 10732221005, 10732221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	50.0	04/29/25 08:54	
PCB-1221 (Aroclor 1221)	ug/kg	ND	50.0	04/29/25 08:54	
PCB-1232 (Aroclor 1232)	ug/kg	ND	50.0	04/29/25 08:54	
PCB-1242 (Aroclor 1242)	ug/kg	ND	50.0	04/29/25 08:54	
PCB-1248 (Aroclor 1248)	ug/kg	ND	50.0	04/29/25 08:54	
PCB-1254 (Aroclor 1254)	ug/kg	ND	50.0	04/29/25 08:54	
PCB-1260 (Aroclor 1260)	ug/kg	ND	50.0	04/29/25 08:54	
Decachlorobiphenyl (S)	%.	94	30-147	04/29/25 08:54	
Tetrachloro-m-xylene (S)	%.	83	30-150	04/29/25 08:54	

LABORATORY CONTROL SAMPLE: 5233747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	890	89	63-127	
PCB-1260 (Aroclor 1260)	ug/kg	1000	931	93	59-146	
Decachlorobiphenyl (S)	%.			95	30-147	
Tetrachloro-m-xylene (S)	%.			87	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5233748 5233749

Parameter	Units	10732211005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	1120	1120	986	1040	88	93	30-150	5	30	
PCB-1260 (Aroclor 1260)	ug/kg	ND	1120	1120	1040	1080	93	97	30-150	4	30	
Decachlorobiphenyl (S)	%.						95	95	30-147			
Tetrachloro-m-xylene (S)	%.						83	88	30-150			

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(612)607-1700

QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003851
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10732221017

METHOD BLANK: 5234997 Matrix: Solid
Associated Lab Samples: 10732221017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	50.0	04/30/25 15:27	
PCB-1221 (Aroclor 1221)	ug/kg	ND	50.0	04/30/25 15:27	
PCB-1232 (Aroclor 1232)	ug/kg	ND	50.0	04/30/25 15:27	
PCB-1242 (Aroclor 1242)	ug/kg	ND	50.0	04/30/25 15:27	
PCB-1248 (Aroclor 1248)	ug/kg	ND	50.0	04/30/25 15:27	
PCB-1254 (Aroclor 1254)	ug/kg	ND	50.0	04/30/25 15:27	
PCB-1260 (Aroclor 1260)	ug/kg	ND	50.0	04/30/25 15:27	
Decachlorobiphenyl (S)	%.	96	30-147	04/30/25 15:27	
Tetrachloro-m-xylene (S)	%.	96	30-150	04/30/25 15:27	

LABORATORY CONTROL SAMPLE: 5234998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	977	98	63-127	
PCB-1260 (Aroclor 1260)	ug/kg	1000	996	100	59-146	
Decachlorobiphenyl (S)	%.			97	30-147	
Tetrachloro-m-xylene (S)	%.			96	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5234999 5235000

Parameter	Units	10731395003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	1190	1190	1050	1040	88	87	30-150	1	30	
PCB-1260 (Aroclor 1260)	ug/kg	ND	1190	1190	976	949	82	80	30-150	3	30	
Decachlorobiphenyl (S)	%.						86	86	30-147			
Tetrachloro-m-xylene (S)	%.						87	86	30-150			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1004046
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10732221004

METHOD BLANK: 5235908 Matrix: Solid
Associated Lab Samples: 10732221004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	50.0	05/05/25 11:52	
PCB-1221 (Aroclor 1221)	ug/kg	ND	50.0	05/05/25 11:52	
PCB-1232 (Aroclor 1232)	ug/kg	ND	50.0	05/05/25 11:52	
PCB-1242 (Aroclor 1242)	ug/kg	ND	50.0	05/05/25 11:52	
PCB-1248 (Aroclor 1248)	ug/kg	ND	50.0	05/05/25 11:52	
PCB-1254 (Aroclor 1254)	ug/kg	ND	50.0	05/05/25 11:52	
PCB-1260 (Aroclor 1260)	ug/kg	ND	50.0	05/05/25 11:52	
Decachlorobiphenyl (S)	%.	103	30-147	05/05/25 11:52	
Tetrachloro-m-xylene (S)	%.	98	30-150	05/05/25 11:52	

LABORATORY CONTROL SAMPLE: 5235909

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	1000	985	98	63-127	
PCB-1260 (Aroclor 1260)	ug/kg	1000	1020	102	59-146	
Decachlorobiphenyl (S)	%.			100	30-147	
Tetrachloro-m-xylene (S)	%.			96	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5235910 5235911

Parameter	Units	10732666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	5010	5030	2800	4360	56	87	30-150	44	30	R1
PCB-1260 (Aroclor 1260)	ug/kg	ND	5010	5030	2600	4160	52	83	30-150	46	30	R1
Decachlorobiphenyl (S)	%.						45	76	30-147			
Tetrachloro-m-xylene (S)	%.						57	85	30-150			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003652
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: 10732221001, 10732221003

METHOD BLANK: 5234083 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	10.0	04/29/25 02:27	
Acenaphthylene	ug/kg	ND	10.0	04/29/25 02:27	
Anthracene	ug/kg	ND	10.0	04/29/25 02:27	
Benzo(a)anthracene	ug/kg	ND	10.0	04/29/25 02:27	
Benzo(a)pyrene	ug/kg	ND	10.0	04/29/25 02:27	
Benzo(b)fluoranthene	ug/kg	ND	10.0	04/29/25 02:27	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	04/29/25 02:27	
Benzo(k)fluoranthene	ug/kg	ND	10.0	04/29/25 02:27	
Chrysene	ug/kg	ND	10.0	04/29/25 02:27	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	04/29/25 02:27	
Fluoranthene	ug/kg	ND	10.0	04/29/25 02:27	
Fluorene	ug/kg	ND	10.0	04/29/25 02:27	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	04/29/25 02:27	
Naphthalene	ug/kg	ND	10.0	04/29/25 02:27	
Phenanthrene	ug/kg	ND	10.0	04/29/25 02:27	
Pyrene	ug/kg	ND	10.0	04/29/25 02:27	
2-Fluorobiphenyl (S)	%.	72	39-125	04/29/25 02:27	
p-Terphenyl-d14 (S)	%.	91	41-125	04/29/25 02:27	

LABORATORY CONTROL SAMPLE: 5234084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	68.6	69	54-125	
Acenaphthylene	ug/kg	100	69.8	70	53-125	
Anthracene	ug/kg	100	73.7	74	61-125	
Benzo(a)anthracene	ug/kg	100	84.9	85	65-125	
Benzo(a)pyrene	ug/kg	100	88.8	89	62-125	
Benzo(b)fluoranthene	ug/kg	100	83.4	83	64-125	
Benzo(g,h,i)perylene	ug/kg	100	90.3	90	60-125	
Benzo(k)fluoranthene	ug/kg	100	89.6	90	63-125	
Chrysene	ug/kg	100	89.0	89	63-125	
Dibenz(a,h)anthracene	ug/kg	100	93.3	93	65-125	
Fluoranthene	ug/kg	100	72.0	72	64-125	
Fluorene	ug/kg	100	69.2	69	56-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	96.4	96	62-125	
Naphthalene	ug/kg	100	64.6	65	51-125	
Phenanthrene	ug/kg	100	67.2	67	61-125	
Pyrene	ug/kg	100	86.5	86	62-125	
2-Fluorobiphenyl (S)	%.			71	39-125	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

LABORATORY CONTROL SAMPLE: 5234084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Terphenyl-d14 (S)	%.			91	41-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5234085 5234086

Parameter	Units	10732220001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	20.1J	122	122	96.5	95.5	63	62	31-125	1	30	
Acenaphthylene	ug/kg	13.1J	122	122	97.4	88.8	69	62	38-125	9	30	
Anthracene	ug/kg	68.4	122	122	111	122	35	44	30-150	9	30	
Benzo(a)anthracene	ug/kg	343	122	122	150	211	-158	-109	30-150	34	30	M1,R1
Benzo(a)pyrene	ug/kg	379	122	122	165	233	-176	-119	30-150	35	30	M1,R1
Benzo(b)fluoranthene	ug/kg	577	122	122	195	281	-314	-243	30-150	36	30	M1,R1
Benzo(g,h,i)perylene	ug/kg	237	122	122	153	185	-69	-42	30-150	19	30	M1
Benzo(k)fluoranthene	ug/kg	192	122	122	140	187	-42	-4	30-150	29	30	M1
Chrysene	ug/kg	414	122	122	165	233	-204	-148	30-150	34	30	M1,R1
Dibenz(a,h)anthracene	ug/kg	58.9J	122	122	107	100	39	34	30-150	6	30	
Fluoranthene	ug/kg	872	122	122	249	402	-511	-384	30-150	47	30	M1,R1
Fluorene	ug/kg	37.5J	122	122	110	100	59	51	30-150	9	30	
Indeno(1,2,3-cd)pyrene	ug/kg	277	122	122	157	195	-98	-67	30-150	21	30	M1
Naphthalene	ug/kg	<16.3	122	122	69.0	68.1	57	56	30-150	1	30	
Phenanthrene	ug/kg	453	122	122	170	212	-232	-197	30-150	22	30	M1
Pyrene	ug/kg	734	122	122	220	359	-421	-307	30-150	48	30	M1,R1
2-Fluorobiphenyl (S)	%.						72	67	39-125			ED
p-Terphenyl-d14 (S)	%.						80	72	41-125			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 1003846
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: 10732221004, 10732221005, 10732221007

METHOD BLANK: 5234979 Matrix: Solid
Associated Lab Samples: 10732221004, 10732221005, 10732221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	10.0	04/30/25 14:02	
Acenaphthylene	ug/kg	ND	10.0	04/30/25 14:02	
Anthracene	ug/kg	ND	10.0	04/30/25 14:02	
Benzo(a)anthracene	ug/kg	ND	10.0	04/30/25 14:02	
Benzo(a)pyrene	ug/kg	ND	10.0	04/30/25 14:02	
Benzo(b)fluoranthene	ug/kg	ND	10.0	04/30/25 14:02	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	04/30/25 14:02	
Benzo(k)fluoranthene	ug/kg	ND	10.0	04/30/25 14:02	
Chrysene	ug/kg	ND	10.0	04/30/25 14:02	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	04/30/25 14:02	
Fluoranthene	ug/kg	ND	10.0	04/30/25 14:02	
Fluorene	ug/kg	ND	10.0	04/30/25 14:02	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	04/30/25 14:02	
Naphthalene	ug/kg	ND	10.0	04/30/25 14:02	
Phenanthrene	ug/kg	ND	10.0	04/30/25 14:02	
Pyrene	ug/kg	ND	10.0	04/30/25 14:02	
2-Fluorobiphenyl (S)	%.	73	39-125	04/30/25 14:02	
p-Terphenyl-d14 (S)	%.	88	41-125	04/30/25 14:02	

LABORATORY CONTROL SAMPLE: 5234980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	100	67.4	67	54-125	
Acenaphthylene	ug/kg	100	63.9	64	53-125	
Anthracene	ug/kg	100	66.0	66	61-125	
Benzo(a)anthracene	ug/kg	100	76.4	76	65-125	
Benzo(a)pyrene	ug/kg	100	83.6	84	62-125	
Benzo(b)fluoranthene	ug/kg	100	89.8	90	64-125	
Benzo(g,h,i)perylene	ug/kg	100	84.7	85	60-125	
Benzo(k)fluoranthene	ug/kg	100	76.7	77	63-125	
Chrysene	ug/kg	100	81.3	81	63-125	
Dibenz(a,h)anthracene	ug/kg	100	89.9	90	65-125	
Fluoranthene	ug/kg	100	65.8	66	64-125	
Fluorene	ug/kg	100	66.2	66	56-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	90.7	91	62-125	
Naphthalene	ug/kg	100	62.3	62	51-125	
Phenanthrene	ug/kg	100	61.4	61	61-125	
Pyrene	ug/kg	100	79.6	80	62-125	
2-Fluorobiphenyl (S)	%.			72	39-125	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

LABORATORY CONTROL SAMPLE: 5234980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Terphenyl-d14 (S)	%.			85	41-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5234981 5234982

Parameter	Units	10732299009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	0.22 mg/kg	168	168	426	416	121	115	31-125	2	30	
Acenaphthylene	ug/kg	0.083 mg/kg	168	168	214	208	78	75	38-125	3	30	
Anthracene	ug/kg	<0.0030 mg/kg	168	168	180	175	107	104	30-150	3	30	
Benzo(a)anthracene	ug/kg	0.0090J mg/kg	168	168	161	170	90	96	30-150	5	30	
Benzo(a)pyrene	ug/kg	0.010J mg/kg	168	168	165	171	92	96	30-150	4	30	
Benzo(b)fluoranthene	ug/kg	0.016J mg/kg	168	168	190	176	103	95	30-150	8	30	
Benzo(g,h,i)perylene	ug/kg	0.019 mg/kg	168	168	181	179	96	96	30-150	1	30	
Benzo(k)fluoranthene	ug/kg	<0.0056 mg/kg	168	168	142	163	82	95	30-150	14	30	
Chrysene	ug/kg	0.027 mg/kg	168	168	189	183	97	93	30-150	3	30	
Dibenz(a,h)anthracene	ug/kg	<0.0071 mg/kg	168	168	152	163	90	97	30-150	7	30	
Fluoranthene	ug/kg	0.018 mg/kg	168	168	162	166	85	88	30-150	2	30	
Fluorene	ug/kg	0.50 mg/kg	168	168	870	796	218	174	30-150	9	30	M1
Indeno(1,2,3-cd)pyrene	ug/kg	<0.0075 mg/kg	168	168	164	175	95	101	30-150	6	30	
Naphthalene	ug/kg	4.8 mg/kg	168	168	6410	5900	973	667	30-150	8	30	E,P6
Phenanthrene	ug/kg	0.40 mg/kg	168	168	819	719	250	190	30-150	13	30	M1
Pyrene	ug/kg	0.024 mg/kg	168	168	184	182	95	94	30-150	1	30	
2-Fluorobiphenyl (S)	%.						52	55	39-125			
p-Terphenyl-d14 (S)	%.						81	89	41-125			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 933614
QC Batch Method: EPA 3546
Analysis Method: OA2
Analysis Description: OA2 GCS
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 10732221001, 10732221002, 10732221005, 10732221006, 10732221007

METHOD BLANK: 3698792 Matrix: Solid
Associated Lab Samples: 10732221001, 10732221002, 10732221005, 10732221006, 10732221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	9.8	05/02/25 18:17	
n-Tetracosane (S)	%	84	10-154	05/02/25 18:17	
p-Terphenyl (S)	%	81	55-128	05/02/25 18:17	

LABORATORY CONTROL SAMPLE: 3698793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	81.1	63.9	79	72-123	
n-Tetracosane (S)	%			86	10-154	
p-Terphenyl (S)	%			84	55-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3698794 3698795

Parameter	Units	10732206003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	ND	93.8	93.7	69.4	76.4	71	79	60-140	10	23	
n-Tetracosane (S)	%						81	92	10-154			
p-Terphenyl (S)	%						75	80	55-128			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 934104
QC Batch Method: EPA 3546
Analysis Method: OA2
Analysis Description: OA2 GCS
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 10732221018

METHOD BLANK: 3700860 Matrix: Solid
Associated Lab Samples: 10732221018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	10	05/12/25 09:01	
n-Tetracosane (S)	%	87	10-154	05/12/25 09:01	
p-Terphenyl (S)	%	92	55-128	05/12/25 09:01	

LABORATORY CONTROL SAMPLE: 3700861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	81	68.9	85	72-123	
n-Tetracosane (S)	%			93	10-154	
p-Terphenyl (S)	%			97	55-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3700870 3700871

Parameter	Units	10732221018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	ND	82.3	81.9	63.7	66.1	74	77	60-140	4	23	
n-Tetracosane (S)	%						81	91	10-154			
p-Terphenyl (S)	%						87	92	55-128			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 934200
QC Batch Method: EPA 3546
Analysis Method: OA2
Analysis Description: OA2 GCS
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 10732221003, 10732221004

METHOD BLANK: 3701601 Matrix: Solid
Associated Lab Samples: 10732221003, 10732221004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	9.9	05/12/25 08:13	
n-Tetracosane (S)	%	74	10-154	05/12/25 08:13	
p-Terphenyl (S)	%	92	55-128	05/12/25 08:13	

LABORATORY CONTROL SAMPLE: 3701602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	72.9	88	72-123	
n-Tetracosane (S)	%			78	10-154	
p-Terphenyl (S)	%			100	55-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3701603 3701604

Parameter	Units	10732221003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	ND	220	215	173	171	68	69	60-140	1	23	
n-Tetracosane (S)	%						63	65	10-154			
p-Terphenyl (S)	%						78	81	55-128			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 934614
QC Batch Method: EPA 3546
Analysis Method: OA2
Analysis Description: OA2 GCS
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 10732221009, 10732221010, 10732221011, 10732221014, 10732221015, 10732221016, 10732221017

METHOD BLANK: 3703688 Matrix: Solid
Associated Lab Samples: 10732221009, 10732221010, 10732221011, 10732221014, 10732221015, 10732221016, 10732221017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	9.9	05/13/25 09:52	
n-Tetracosane (S)	%	82	10-154	05/13/25 09:52	
p-Terphenyl (S)	%	97	55-128	05/13/25 09:52	

LABORATORY CONTROL SAMPLE: 3703689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	82.7	73.7	89	72-123	
n-Tetracosane (S)	%			83	10-154	
p-Terphenyl (S)	%			99	55-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3703690 3703691

Parameter	Units	10732221009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	2080	161	161	1700	2360	-233	175	60-140	32	23	M1,R1
n-Tetracosane (S)	%						0	0	10-154			S4
p-Terphenyl (S)	%						0	0	55-128			S4

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 934845
QC Batch Method: EPA 3546
Analysis Method: OA2
Analysis Description: OA2 GCS
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 10732221012, 10732221013

METHOD BLANK: 3704862 Matrix: Solid
Associated Lab Samples: 10732221012, 10732221013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	10	05/13/25 10:08	
n-Tetracosane (S)	%	83	10-154	05/13/25 10:08	
p-Terphenyl (S)	%	95	55-128	05/13/25 10:08	

LABORATORY CONTROL SAMPLE: 3704863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	81.8	67.3	82	72-123	
n-Tetracosane (S)	%			84	10-154	
p-Terphenyl (S)	%			92	55-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3704864 3704865

Parameter	Units	10732221012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	ND	162	161	102	118	60	71	60-140	15	23	
n-Tetracosane (S)	%						44	55	10-154			
p-Terphenyl (S)	%						56	69	55-128			

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 2505100 — Analysis Method: SM 2540G
QC Batch Method: SM 2540 G — Analysis Description: Total Solids 2540 G-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015

METHOD BLANK: R4209072-1 Matrix: Solid
Associated Lab Samples: 10732221009, 10732221010, 10732221011, 10732221012, 10732221013, 10732221014, 10732221015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND		05/02/25 09:50	

LABORATORY CONTROL SAMPLE: R4209072-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	90.0-110	

SAMPLE DUPLICATE: R4209072-3

Parameter	Units	10732221014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	70.6	71.0	0.485	10	

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QUALITY CONTROL DATA

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

QC Batch: 2505101
QC Batch Method: SM 2540 G
Analysis Method: SM 2540G
Analysis Description: Total Solids 2540 G-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732221016, 10732221017, 10732221018

METHOD BLANK: R4209066-1 Matrix: Solid
Associated Lab Samples: 10732221016, 10732221017, 10732221018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND		05/02/25 09:38	

LABORATORY CONTROL SAMPLE: R4209066-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	90.0-110	

SAMPLE DUPLICATE: R4209066-3

Parameter	Units	10732221016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	83.5	82.6	1.14	10	

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QUALIFIERS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

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.

WORKORDER QUALIFIERS

WO: 10732221

[1] Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size, and any dilutions. Please see the Analytical Results section of this report for applicable Dry Weight / %M per Sample ID.

[1] The samples were received outside of required temperature range. Analysis was completed upon client approval.

SAMPLE QUALIFIERS

Sample: 10732221009

[1] Semi-Volatile Organic Compounds (GC) by Method OA2 - Cannot run at lower dilution due to viscosity of extract

[1] Semi-Volatile Organic Compounds (GC) by Method OA2 - Sample resembles laboratory standard for Hydraulic Oil.

Sample: 10732221010

[1] Semi-Volatile Organic Compounds (GC) by Method OA2 - Cannot run at lower dilution due to viscosity of extract

[1] Semi-Volatile Organic Compounds (GC) by Method OA2 - Sample resembles laboratory standard for Hydraulic Oil.

Sample: 10732221011

[1] Semi-Volatile Organic Compounds (GC) by Method OA2 - Sample resembles laboratory standard for Hydraulic Oil.

Sample: 10732221015

[1] Semi-Volatile Organic Compounds (GC) by Method OA2 - Sample resembles laboratory standard for Hydraulic Oil.

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

BATCH QUALIFIERS

Batch: 1004132

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
[1]	On 4/29/25 the continuing calibration verification was below the method acceptance limit for 1,1,2,2-tetrachloroethane and 1,2-dibromo-3-chloropropane. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

Batch: 1004986

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

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
H2	Extraction or preparation conducted outside EPA 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.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
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.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10732221009	**P-5 (2-4)**	3546	2506299	OA2	2506299
10732221010	**P-5 (10-11)**	3546	2506299	OA2	2506299
10732221011	**P-6 (8-10)**	3546	2506299	OA2	2506299
10732221012	**P-6 (12-14)**	3546	2506299	OA2	2506299
10732221013	**P-7 (2-4)**	3546	2506299	OA2	2506299
10732221014	**P-7 (18-19)**	3546	2506299	OA2	2506299
10732221015	**P-8 (12-14)**	3546	2506299	OA2	2506299
10732221016	**P-8 (16-18)**	3546	2506299	OA2	2506299
10732221017	**P-9 (2-4)**	3546	2506299	OA2	2506299
10732221018	**P-9 (6-7)**	3546	2506299	OA2	2506299
10732221001	**P-1 (2-4)**	EPA 3546	1003530	EPA 8082A	1003783
10732221003	**P-2 (4-6)**	EPA 3546	1003530	EPA 8082A	1003783
10732221004	**P-3 (2-4)**	EPA 3546	1004046	EPA 8082A	1004596
10732221005	**P-4 (2-4)**	EPA 3546	1003530	EPA 8082A	1003783
10732221007	**P-10 (2-4)**	EPA 3546	1003530	EPA 8082A	1003783
10732221017	**P-9 (2-4)**	EPA 3546	1003851	EPA 8082A	1004300
10732221001	**P-1 (2-4)**	EPA 3546	933614	OA2	933773
10732221002	**P-1 (6-7.5)**	EPA 3546	933614	OA2	933773
10732221003	**P-2 (4-6)**	EPA 3546	934200	OA2	934287
10732221004	**P-3 (2-4)**	EPA 3546	934200	OA2	934287
10732221005	**P-4 (2-4)**	EPA 3546	933614	OA2	933773
10732221006	**P-4 (6-7)**	EPA 3546	933614	OA2	933773
10732221007	**P-10 (2-4)**	EPA 3546	933614	OA2	933773
10732221009	**P-5 (2-4)**	EPA 3546	934614	OA2	934729
10732221010	**P-5 (10-11)**	EPA 3546	934614	OA2	934729
10732221011	**P-6 (8-10)**	EPA 3546	934614	OA2	934729
10732221012	**P-6 (12-14)**	EPA 3546	934845	OA2	934874
10732221013	**P-7 (2-4)**	EPA 3546	934845	OA2	934874
10732221014	**P-7 (18-19)**	EPA 3546	934614	OA2	934729
10732221015	**P-8 (12-14)**	EPA 3546	934614	OA2	934729
10732221016	**P-8 (16-18)**	EPA 3546	934614	OA2	934729
10732221017	**P-9 (2-4)**	EPA 3546	934614	OA2	934729
10732221018	**P-9 (6-7)**	EPA 3546	934104	OA2	934292
10732221001	**P-1 (2-4)**	8021/OA1	2504938	OA1	2504938
10732221002	**P-1 (6-7.5)**	8021/OA1	2504938	OA1	2504938
10732221003	**P-2 (4-6)**	8021/OA1	2504938	OA1	2504938
10732221004	**P-3 (2-4)**	8021/OA1	2504938	OA1	2504938
10732221005	**P-4 (2-4)**	8021/OA1	2504938	OA1	2504938
10732221006	**P-4 (6-7)**	8021/OA1	2504938	OA1	2504938
10732221007	**P-10 (2-4)**	8021/OA1	2504938	OA1	2504938
10732221009	**P-5 (2-4)**	8021/OA1	2504938	OA1	2504938
10732221010	**P-5 (10-11)**	8021/OA1	2504938	OA1	2504938
10732221011	**P-6 (8-10)**	8021/OA1	2504938	OA1	2504938

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10732221012	**P-6 (12-14)**	8021/OA1	2504938	OA1	2504938
10732221013	**P-7 (2-4)**	8021/OA1	2504938	OA1	2504938
10732221014	**P-7 (18-19)**	8021/OA1	2504938	OA1	2504938
10732221015	**P-8 (12-14)**	8021/OA1	2504938	OA1	2504938
10732221016	**P-8 (16-18)**	8021/OA1	2504938	OA1	2504938
10732221017	**P-9 (2-4)**	8021/OA1	2504938	OA1	2504938
10732221018	**P-9 (6-7)**	8021/OA1	2504938	OA1	2504938
10732221001	**P-1 (2-4)**	EPA 3050B	1003523	EPA 6010D	1003714
10732221003	**P-2 (4-6)**	EPA 3050B	1003523	EPA 6010D	1003714
10732221004	**P-3 (2-4)**	EPA 3050B	1003523	EPA 6010D	1003714
10732221005	**P-4 (2-4)**	EPA 3050B	1003523	EPA 6010D	1003714
10732221007	**P-10 (2-4)**	EPA 3050B	1003523	EPA 6010D	1003714
10732221017	**P-9 (2-4)**	EPA 3050B	1003900	EPA 6010D	1004094
10732221001	**P-1 (2-4)**	EPA 7471B	1003525	EPA 7471B	1003808
10732221003	**P-2 (4-6)**	EPA 7471B	1003525	EPA 7471B	1003808
10732221004	**P-3 (2-4)**	EPA 7471B	1003525	EPA 7471B	1003808
10732221005	**P-4 (2-4)**	EPA 7471B	1003525	EPA 7471B	1003808
10732221007	**P-10 (2-4)**	EPA 7471B	1003525	EPA 7471B	1003808
10732221017	**P-9 (2-4)**	EPA 7471B	1003902	EPA 7471B	1004106
10732221001	**P-1 (2-4)**	ASTM D2974	1003800		
10732221002	**P-1 (6-7.5)**	ASTM D2974	1003800		
10732221003	**P-2 (4-6)**	ASTM D2974	1003800		
10732221004	**P-3 (2-4)**	ASTM D2974	1003800		
10732221005	**P-4 (2-4)**	ASTM D2974	1003800		
10732221006	**P-4 (6-7)**	ASTM D2974	1003800		
10732221007	**P-10 (2-4)**	ASTM D2974	1003800		
10732221009	**P-5 (2-4)**	ASTM D2974	1003800		
10732221010	**P-5 (10-11)**	ASTM D2974	1003800		
10732221011	**P-6 (8-10)**	ASTM D2974	1003800		
10732221012	**P-6 (12-14)**	ASTM D2974	1003800		
10732221013	**P-7 (2-4)**	ASTM D2974	1003800		
10732221014	**P-7 (18-19)**	ASTM D2974	1003800		
10732221015	**P-8 (12-14)**	ASTM D2974	1003800		
10732221016	**P-8 (16-18)**	ASTM D2974	1003800		
10732221017	**P-9 (2-4)**	ASTM D2974	1003800		
10732221018	**P-9 (6-7)**	ASTM D2974	1003800		
10732221001	**P-1 (2-4)**	EPA 3546	1003652	EPA 8270E by SIM	1003865
10732221003	**P-2 (4-6)**	EPA 3546	1003652	EPA 8270E by SIM	1003865
10732221004	**P-3 (2-4)**	EPA 3546	1003846	EPA 8270E by SIM	1004137
10732221005	**P-4 (2-4)**	EPA 3546	1003846	EPA 8270E by SIM	1004137
10732221007	**P-10 (2-4)**	EPA 3546	1003846	EPA 8270E by SIM	1004137
10732221001	**P-1 (2-4)**	EPA 5035/5030B	1004410	EPA 8260D	1004986
10732221002	**P-1 (6-7.5)**	EPA 5035/5030B	1004410	EPA 8260D	1004986
10732221003	**P-2 (4-6)**	EPA 5035/5030B	1004410	EPA 8260D	1004986
10732221004	**P-3 (2-4)**	EPA 5035/5030B	1004410	EPA 8260D	1004986

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lead - 16.0063603.04
Pace Project No.: 10732221

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10732221005	**P-4 (2-4)**	EPA 5035/5030B	1004410	EPA 8260D	1004986
10732221006	**P-4 (6-7)**	EPA 5035/5030B	1004410	EPA 8260D	1004986
10732221007	**P-10 (2-4)**	EPA 5035/5030B	1004410	EPA 8260D	1004986
10732221008	**Trip Blank**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221009	**P-5 (2-4)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221010	**P-5 (10-11)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221011	**P-6 (8-10)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221012	**P-6 (12-14)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221013	**P-7 (2-4)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221014	**P-7 (18-19)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221015	**P-8 (12-14)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221016	**P-8 (16-18)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221017	**P-9 (2-4)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221018	**P-9 (6-7)**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221019	**Trip Blank**	EPA 5035/5030B	1003860	EPA 8260D	1004132
10732221009	**P-5 (2-4)**	SM 2540 G	2505100	SM 2540G	2505100
10732221010	**P-5 (10-11)**	SM 2540 G	2505100	SM 2540G	2505100
10732221011	**P-6 (8-10)**	SM 2540 G	2505100	SM 2540G	2505100
10732221012	**P-6 (12-14)**	SM 2540 G	2505100	SM 2540G	2505100
10732221013	**P-7 (2-4)**	SM 2540 G	2505100	SM 2540G	2505100
10732221014	**P-7 (18-19)**	SM 2540 G	2505100	SM 2540G	2505100
10732221015	**P-8 (12-14)**	SM 2540 G	2505100	SM 2540G	2505100
10732221016	**P-8 (16-18)**	SM 2540 G	2505101	SM 2540G	2505101
10732221017	**P-9 (2-4)**	SM 2540 G	2505101	SM 2540G	2505101
10732221018	**P-9 (6-7)**	SM 2540 G	2505101	SM 2540G	2505101

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Pace® Location Requested (City/State):
Pace Analytical Minnesota
1700 Elm Street, Suite 200
Minneapolis, MN 55414

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 10732221

10732221

Company Name:	GZA GeoEnvironmental	Contact/Report To:	Aaron Remer
Street Address:	7505 Metro Blvd Suite 300 Edina, MN 55439	Phone #:	952 595-5312
		E-Mail:	aaron.remer@gza.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Lead - 16.0063603.04	Invoice To:	Accounts Payable
		Invoice E-Mail:	ap@gza.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Minnesota

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8 RCRA Metals by 6010/7470	8082A PCB; 8270E PAH by SIM	Moisture	OA-1	OA-2	Trip	Trip Blank	Trip Blank - OA-1	VOCs by 8260	Sample Comment
P-1(2-4)	S	G	4/22/25	9:15	4/22/25	9:15	8			X	X	X	X	X				X	001
P-1(6-7.5)	S	G		9:30		9:30	6					X	X	X				X	002
P-2(4-6)	S	G		10:00		10:00	8			X	X	X	X	X				X	003
P-3(2-4)	S	G		10:30		10:30	8			X	X	X	X	X				X	004
P-4(2-4)	S	G		11:00		11:00	8			X	X	X	X	X				X	005
P-4(6-7)	S	G		11:15		11:15	6					X	X	X				X	006
P-10(2-4)	S	G		16:00		16:00	8			X	X	X	X	X				X	007

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Sylvia Hunter
AcctNum / Client ID:
Table #:
Profile / Template: 24049
Prelog / Bottle Ord. ID: EZ 3251298

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) Taylor Jewell
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
5	19	TMC	10.3	10.1	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Mark Wagner / GZA	4.23.25 / 16:09 NW		4/24/25 830	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 3

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-MIN4-0150 v19_Sample Condition Upon Receipt

Person Examining & Date: JMW1 4/25/25 **PROJECT #:** **WO#: 10732221**

PM: SH1 **Due Date: 05/01/25**

CLIENT: VIEAU

Client Name: GZA GeoEnvironmental

Custody Seal Present: ☑ YES ☐ NO **Seals Intact:** ☑ YES ☐ NO

Tracking Number: 2878 8148 3774 ☐ **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: 10.1 °C

Correction Factor: 0

Corrected Temp w/Temp Blank: 10.1 °C

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

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

Average Corrected Temp (No Temp Blank Only): _____

☐ **See Exceptions form ENV-FRM-MIN4-0142.** ☐ 1 Container

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

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

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

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

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

LOCATION (check one): ☐ DULUTH ☑ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? **(i.e., Analysis/ID/Date/Time)**	☑	☐		1.
Chain of Custody Relinquished?	☑	☐		2.
Sampler Name and/or Signature on COC?	☑	☐	☐	3.
Samples Arrived within Hold Time? If Fecal: ☐ <8 hrs ☐ >8 hr but <24 hr ☐ >24 hr	☑	☐		4.
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) **EXCECTIONS (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: 1
Trip Blank Custody Seals Present?	☑	☐	☐	Pace Trip Blank Lot # (if purchased): 012725-3

CLIENT NOTIFICATION / RESOLUTION: **Labeled By:** JMW1 **Line:** 3

Person Contacted & Date/Time: _____ **PM Review & Date:** Sylvia Hunter 4/25/25

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

ENV-FRM-MIN4-0142 v04_Sample Condition Upon Receipt - Exceptions

Workorder #: _____

No Temp Blank		
Read Temp	**Corrected Temp**	**Average temp**

PM Notified of Out of Temp Cooler? ☑ YES ☐ NO

If yes, indicate who was contacted, date and time.
If no, indicate reason why.

Sylvia Hunter 4/25/25 955

Multiple Cooler Project? ☐ YES ☑ NO

If anything is OVER 6.0°C, you MUST document containers in this section HERE

Tracking Number	Temperature
2878 8748 3774	10.1

Out of Temp Sample ID	Container Type	# of Containers
P-1 (2-4)	VOA Fu, VOA Cu, DuC	8
P-1 (6-7.5)	VOA Cu, DuC, VOA M	6
P-2 (4-6)	VOA Fu, VOA Cu, DuC, VOA M	8
P-3 (2-4)	↓	↓
P-4 (2-4)	↓	↓
P-4 (6-7)	VOA Cu, DuC, VOA M	6
P-10 (2-4)	VOA Fu, VOA Cu, VOA M, DuC	8

pH Adjustment Log for Preserved Samples

Sample ID	Type Of Preserve	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance After Addition? YES	In Compliance After Addition? NO	Initials
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	

Comments:

10732221

Pace® Location Requested (City/State):
Pace Analytical Minnesota
1700 Elm Street, Suite 200
Minneapolis, MN 55414

CHAIN-OF-CUSTODY Analytical Request Document

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

WO#: 10732245

10732245

SH1 4/28/25

Company Name:	GZA GeoEnvironmental	Contact/Report To:	Aaron Remer
Street Address:	7505 Metro Blvd Suite 300 Edina, MN 55439	Phone #:	952 595-5312
		E-Mail:	aaron.remer@gza.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Lead - 16.0063603.04	Invoice To:	Accounts Payable
		Invoice E-Mail:	ap@gza.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Minnesota
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8 RCRA Metals by 6010/7470	8082A PCB; 8270E PAH by SIM	Moisture	OA-1	OA-2	Trip	Trip Blank	Trip Blank - OA-1	VOCs by 8260	Sample Comment
P-5 (2-4)	S	G	4/22/25	11:45	4/22/25	11:45	6					X	X	X				X	001
P-5 (10-11)	S	G		12:00		12:00	6					X	X	X				X	002
P-6 (8-10)	S	G		12:30		12:30	6					X	X	X				X	003
P-6 (12-14)	S	G		12:40		12:40	6					X	X	X				X	004
P-7 (2-4)	S	G		13:25		13:25	6					X	X	X				X	005
P-7 (18-19)	S	G		13:35		13:35	6					X	X	X				X	006
P-8 (12-14)	S	G		15:00		15:00	6					X	X	X				X	007
P-8 (16-18)	S	G		15:10		15:10	6					X	X	X				X	008
P-9 (2-4)	S	G		15:25		15:25	8			X	X	X	X	X				X	009
P-9 (6-7)	S	G		15:40		15:40	6					X	X	X				X	010

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Sylvia Hunter
AcctNum / Client ID:
Table #:
Profile / Template: 24049
Prelog / Bottle Ord. ID: EZ 3251298

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) Taylor Jewell
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp. (°C)	Onice
	99	1.1	5.1	5.1	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Aaron Remer / GZA	4-23-25 / 16:09	M K Pace	4/24/25 850	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 3

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-MIN4-0150 v19_Sample Condition Upon Receipt 10732221

Person Examining & Date: JMW1 4/25/25 **PROJECT #:** **WO#: 10732245** SH1 4/28/25

PM: SH1 **Due Date: 05/01/25**

CLIENT: VIEAU

Client Name: GZA GeoEnvironmental

Custody Seal Present: ☐ YES ☐ NO **Seals Intact:** ☑ YES ☐ NO

Tracking Number: 2878 8748 3763 ☐ 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: 5.1 °C

Correction Factor: True

Corrected Temp w/Temp Blank: 5.1 °C

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

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

Average Corrected Temp (No Temp Blank Only): _____

☐ See Exceptions form ENV-FRM-MIN4-0142. ☐ 1 Container

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

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

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

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

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

LOCATION (check one): ☐ DULUTH ☑ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? **(i.e., Analysis/ID/Date/Time)**	☑	☐		1.
Chain of Custody Relinquished?	☑	☐		2.
Sampler Name and/or Signature on COC?	☑	☐	☐	3.
Samples Arrived within Hold Time? If Fecal: ☐ <8 hrs ☐ >8 hr but <24 hr ☐ >24 hr	☑	☐		4.
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
EXCECTIONS (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. MeOH: 1
Trip Blank Custody Seals Present?	☑	☐	☐	Pace Trip Blank Lot # (if purchased): 012725-3

CLIENT NOTIFICATION / RESOLUTION: **Labeled By:** JMW1 **Line:** 2

Person Contacted & Date/Time: _____ **PM Review & Date:** Sylvia Hunter 4/28/25

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

Internal Transfer Chain of Custody

E120

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MN
Cert. Needed: ☒ Yes ☐ No

Workorder: 10732221 **Workorder Name:** Lead - 16.0063603.04

Owner Received Date: 4/24/2025 **Results Requested By:** 5/1/2025

Report To	Subcontract To
Sylvia Hunter Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone 1(612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

L1852853

VG9M

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: MeOH	OA1 as TPH Gas	LAB USE ONLY
1	P-1 (2-4)	PS	4/22/2025 09:15	10732221001	Solid	2	X	-01
2	P-1 (6-7.5)	PS	4/22/2025 09:30	10732221002	Solid	2	X	-02
3	P-2 (4-6)	PS	4/22/2025 10:00	10732221003	Solid	2	X	-03
4	P-3 (2-4)	PS	4/22/2025 10:30	10732221004	Solid	2	X	-04
5	P-4 (2-4)	PS	4/22/2025 11:00	10732221005	Solid	2	X	-05
6	P-4 (6-7)	PS	4/22/2025 11:15	10732221006	Solid	2	X	-06
7	P-10 (2-4)	PS	4/22/2025 16:00	10732221007	Solid	2	X	-07
8	P-5 (2-4)	PS	4/22/2025 11:45	10732221009	Solid	2	X	-08
9	P-5 (10-11)	PS	4/22/2025 12:00	10732221010	Solid	2	X	-09
10	P-6 (8-10)	PS	4/22/2025 12:30	10732221011	Solid	2	X	-10
11	P-6 (12-14)	PS	4/22/2025 12:30	10732221012	Solid	2	X	-11
12	P-7 (2-4)	PS	4/22/2025 13:25	10732221013	Solid	2	X	-12
13	P-7 (18-19)	PS	4/22/2025 13:35	10732221014	Solid	2	X	-13
14	P-8 (12-14)	PS	4/22/2025 15:00	10732221015	Solid	2	X	-14
15	P-8 (16-18)	PS	4/22/2025 15:10	10732221016	Solid	2	X	-15
16	P-9 (2-4)	PS	4/22/2025 15:25	10732221017	Solid	2	X	-16
17	P-9 (6-7)	PS	4/22/2025 15:40	10732221018	Solid	2	X	-17

NCF

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	Courtney 4/28/25	1200	E. Davis 17	4-29-25 0900	L1852853 NCF
2					
3					

Cooler Temperature on Receipt ____°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.

4243 5579 4554

Sample Receipt Checklist

COC Seal Present/Intact:	✓Y__N__NP	If Applicable	
COC Signed/Accurate:	✓Y__N	VOA Zero Headspace:	__Y__N
Bottles arrive intact:	✓Y__N	Pres. Correct/Check:	__Y__N
Correct bottles used:	✓Y__N		
Sufficient volume sent:	✓Y__N	Condition: ___NCF ___OK	
RA Screen <0.5 mR/hr:	✓Y__N		

TLA9 2.0+0.4=2.4

4852 853

INTER_LABORATORY WORK ORDER # 10732221
(To be completed by sending lab)

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

Sending Project No:	10732221
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	04/28/25
REQUESTED COMPLETION DATE:	**5/1/2025**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Sylvia Hunter
Receiving Region	IR850-Pace National	External Client	GZA GeoEnvironmental
State of Sample Origin	MN	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units STD Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed Yes

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
OA1 as TPH Gas	VG9M		MeOH	17	SI-34MSV	SUB PASI MSV

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Internal Transfer Chain of Custody

E121

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MN
Cert. Needed: ☐ Yes ☐ No

Workorder: 10732221 **Workorder Name:** Lead - 16.0063603.04

Owner Received Date: 4/24/2025 **Results Requested By:** 5/1/2025

Report To	Subcontract To
Sylvia Hunter Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone 1(612)607-1700	Pace Analytical Kansas 9608 Loiret Blvd Lenexa, KS 66219 Phone (913)599-5665

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	OA2 as TPH Diesel	LAB USE ONLY
1	P-1 (2-4)	PS	4/22/2025 09:15	10732221001	Solid	1	X	
2	P-1 (6-7.5)	PS	4/22/2025 09:30	10732221002	Solid	1	X	
3	P-2 (4-6)	PS	4/22/2025 10:00	10732221003	Solid	1	X	
4	P-3 (2-4)	PS	4/22/2025 10:30	10732221004	Solid	1	X	
5	P-4 (2-4)	PS	4/22/2025 11:00	10732221005	Solid	1	X	
6	P-4 (6-7)	PS	4/22/2025 11:15	10732221006	Solid	1	X	
7	P-10 (2-4)	PS	4/22/2025 16:00	10732221007	Solid	1	X	
8	P-5 (2-4)	PS	4/22/2025 11:45	10732221009	Solid	1	X	
9	P-5 (10-11)	PS	4/22/2025 12:00	10732221010	Solid	1	X	
10	P-6 (8-10)	PS	4/22/2025 12:30	10732221011	Solid	1	X	
11	P-6 (12-14)	PS	4/22/2025 12:30	10732221012	Solid	1	X	
12	P-7 (2-4)	PS	4/22/2025 13:25	10732221013	Solid	1	X	
13	P-7 (18-19)	PS	4/22/2025 13:35	10732221014	Solid	1	X	
14	P-8 (12-14)	PS	4/22/2025 15:00	10732221015	Solid	1	X	
15	P-8 (16-18)	PS	4/22/2025 15:10	10732221016	Solid	1	X	
16	P-9 (2-4)	PS	4/22/2025 15:25	10732221017	Solid	1	X	
17	P-9 (6-7)	PS	4/22/2025 15:40	10732221018	Solid	1	X	

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	Corey Rice 4/28/25	17:00	[illegible] 17	4-29-25 / 0900	
2					
3					

Cooler Temperature on Receipt _____ °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.

4243 5579 4554

Sample Receipt Checklist

COC Seal Present/Intact:	__Y__N__NP	If Applicable	
COC Signed/Accurate:	__Y__N	VOA Zero Headspace:	__Y__N
Bottles arrive intact:	__Y__N	Pres. Correct/Check:	__Y__N
Correct bottles used:	__Y__N		
Sufficient volume sent:	__Y__N	Condition: ___NCF ___OK	
RA Screen <0.5 mR/hr:	✓Y__N		

TZA9 2.0 + 0.4 = 2.4

1 = 8oz Amb

INTER_LABORATORY WORK ORDER # 10732221

(To be completed by sending lab)

Ship To:
Pace Analytical Kansas
9608 Loiret Blvd
Lenexa, KS 66219
Phone (913)599-5665

Sending Project No:	10732221
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	04/28/25
REQUESTED COMPLETION DATE:	**5/1/2025**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Sylvia Hunter
Receiving Region	IR60-Kansas	External Client	GZA GeoEnvironmental
State of Sample Origin	MN	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
OA2 as TPH Diesel	JGCU		Unpreserved	17	SI-30MSSV	SUB PASI MSS

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

4/29-L1852853 PACEMN TD

R5

Time estimate: oh **Time spent:** oh

Members

TD Troy Dunlap (responsible) NS Naomi Sackett

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Custody seal not intact
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Troy Dunlap *29 April 2025 2:37 PM*

Did not receive a soil jar for -001 through -007.

Naomi Sackett *29 April 2025 4:01 PM*

1-7 were already logged - this one is complete

Troy Dunlap *29 April 2025 4:18 PM*

Done.

ATTACHMENT 4

TANK COMPLIANCE TESTING DOCUMENTATION

Minnesota Petroleum Service

682 - 39th Ave North East
Columbia Heights, MN 55421
Phone (763)-780-5191 Fax (763)-780-5472
www.mnpetro.com

Mechanical / Electronic Leak Detection Certification

Location:

Lead Dakota Mart
103 Glendale Dr
Lead SD 57754

Ph. Fx.

Work Order #:

Testing Date: 06-04-2025

Sump #	1	2	3	4
Product	E-10	UNL	Premium	Diesel
Leak Detection Type	RJ	vaporless	vaporless	RJ
Model #	FX1V	2000	2000	FX1V-D
Opening Time	3	2	2	4
Operating Pressure	31.00	30.00	28.00	33.00
Check Valve Pressure	16.00	30.00	28.00	22.00
Meter Pressure	12	19	19	10
3.0 GPH Leak Detected	Pass	Pass	Pass	Pass

Notes

Technician Jeff Hein

Technician Signature: _____ **Date:** 06-04-2025

Minnesota Petroleum Service

682 - 39th Ave North East
Columbia Heights, MN 55421
Phone (763)-780-5191 Fax (763)-780-5472
www.mnpetro.com

Volumetric Line Test Certification

Location:

Lead Dakota Mart
103 Glendale Dr
Lead SD 57754

Ph. Fx.

Work Order #:

Testing Date: 06-04-2025

Line Testing Manufacturer: Estabrooks

Sump #	1	2	3	4
Product	E-10	UNL	Premium	Diesel
Isolation Pump	Check Valve	Check Valve	Check Valve	Check Valve
Isolation Dispenser	Shear Valve	Shear Valve	Shear Valve	Shear Valve
Test Pressure	46.50	45.00	42.00	49.50
Start Time	08:25 (-6 GMT)	09:40 (-6 GMT)	09:05 (-6 GMT)	07:45 (-6 GMT)
End Time	08:55 (-6 GMT)	10:10 (-6 GMT)	09:35 (-6 GMT)	08:15 (-6 GMT)
Start Volume	0.055	0.057	0.043	0.037
End Volume	0.052	0.055	0.042	0.037
Test Time	30 min.	30 min.	30 min.	30 min.
Leak Rate	-0.003	-0.002	-0.001	0.000
GPH Leak Rate	-0.006	-0.004	-0.002	0.000
Pass/Fail	Pass	Pass	Pass	Pass

Notes

Technician Jeff Hein

Technician Signature: _____ **Date:** 06-04-2025

UST automatic tank gauge inspection form

Underground Storage Tanks (UST) Program

Doc Type: Compliance Certification

Purpose: This form is for docuemnting the inspection of the automatic tank gauge (ATG). See PEI/RP1200, Section 8 for inspection procedures.

Facility information

Facility name: Lead Dakotamart

Facility address: 103 Glendale Dr Facility ID#:

City: Lead State: SD Zip code: 57754

Owner name:

Mailing address:

City: State: Zip code:

Phone: Fax: Email:

Testing information

1. Tank number	1	2	3	4	5	
2. Product stored	E10 S	E10 N	UNL	PRE	DSL	
3. Tank volume, gallons	4001	6021	4001	4001	6032	
4. Tank diameter, inches	84	96	84	84	96	
5. ATG brand and model	Gilbarco EMC	Gilbarco EMC	GilbarcoEMC	Glibarco EMC	Gilbarco EMC	
6. After removing the ATG probe from the tank, has it been inspected and any damaged or missing parts replaced?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
7. Float moves freely on the shaft without binding?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
8. Does the fuel float level agree with the value programmed into the console?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
9. Does the water float level agree with the value programmed into the console?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
10. Inch level from bottom of shaft when 90% alarm is triggered.	71	81	71	71	81	
11. Does inch level at which the overfill alarm activates correspond with the value programmed in the gauge?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
12. Inch level from the bottom when the water float first triggers an alarm.	2	2	2	2	2	
13. Does inch level at which the water float alarm activates correspond with value programmed in the gauge?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
14. ATG probe cap, seals, communication cable and battery backup are in good condition?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
15. Any residual buildup on floats has been removed?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
15. Visual and audible alarms are tested and functioning correctly?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
16. Correct set-up parameters are input and third-party certification conditions verified?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
If any answers are "No" indicates a failure.						
Test results:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail

Comments:

Testing company name: MINNESOTA PETROLEUM Tester's name: JON BENDORF

Date (mm/dd/yyyy): 6/4/2025 Tester's signature: Jon Bendorf

UST liquid sensor inspection form

Underground Storage Tanks (UST) Program

Doc Type: Compliance Certification

Purpose: This form is for documenting the inspection of the interstitial liquid sensors. See PEI/RP1200, Section 8 for inspection procedures.

Facility information

Facility name: Lead Dakotamart

Facility address: 103 Glendale Dr Facility ID#:

City: Lead State: SD Zip code: 57754

Owner name:

Mailing address:

City: State: Zip code:

Phone: Fax: Email:

Testing information

1. Product stored	Unl-E10-Pre-DSL	Unl-E10-Pre-DSL	DSL	Unl-E10-Pre-DSL	Unl-E10-Pre-DSL	E10
2. Sensor type*	Float	Float	Float	Float	Float	Float
2. Sensor location**	☐ Tank ☐ Piping ☒ Dispenser ☐ DW sump or spill bucket	☐ Tank ☐ Piping ☒ Dispenser ☐ DW sump or spill bucket	☐ Tank ☒ Piping ☐ Dispenser ☐ DW sump or spill bucket	☐ Tank ☐ Piping ☒ Dispenser ☐ DW sump or spill bucket	☐ Tank ☐ Piping ☒ Dispenser ☐ DW sump or spill bucket	☐ Tank ☒ Piping ☐ Dispenser ☐ DW sump or spill bucket
3. Test liquid	☒ Water ☐ Product	☒ Water ☐ Product	☒ Water ☐ Product	☒ Water ☐ Product	☒ Water ☐ Product	☒ Water ☐ Product
4. Is the ATG console clear of any active or recurring warnings or alarms regarding the sensor?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
5. If the sensor is in alarm indicate why.						
6. Is the sensor alarm circuit operational?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
7. Has the sensor been inspected and in good operational condition?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
8. When placed in the test liquid, does the sensor trigger an alarm?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
9. When an alarm is triggered, is the sensor properly identified on the ATG console?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
10. Is the sensor positioned properly?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
11. Is the sensor compatible with the fuel stored?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
12. When an alarm is triggered is the STP shut down?	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
A "No" in lines 4 or 6-11 indicates a failure.						
Test results:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail

**Indicate if sensor is float switch, optical, electrical resistance, other (specify).*

***Piping is STP or transition sump.*

Comments:

Testing company name: MINNESOTA PETROLEUM Tester's name: JON BENDORF

Date (mm/dd/yyyy): 6/4/2025 Tester's signature: Jon Bendorf

UST liquid sensor inspection form

Underground Storage Tanks (UST) Program

Doc Type: Compliance Certification

Purpose: This form is for documenting the inspection of the interstitial liquid sensors. See PEI/RP1200, Section 8 for inspection procedures.

Facility information

Facility name: Lead Dakotamart

Facility address: 103 Glendale Dr Facility ID#:

City: Lead State: SD Zip code: 57754

Owner name:

Mailing address:

City: State: Zip code:

Phone: Fax: Email:

Testing information

1. Product stored	E10	PRE	UNL			
2. Sensor type*	Float	Float	Float			
2. Sensor location**	☐ Tank ☒ Piping ☐ Dispenser ☐ DW sump or spill bucket	☐ Tank ☒ Piping ☐ Dispenser ☐ DW sump or spill bucket	☐ Tank ☒ Piping ☐ Dispenser ☐ DW sump or spill bucket	☐ Tank ☐ Piping ☐ Dispenser ☐ DW sump or spill bucket	☐ Tank ☐ Piping ☐ Dispenser ☐ DW sump or spill bucket	☐ Tank ☐ Piping ☐ Dispenser ☐ DW sump or spill bucket
3. Test liquid	☒ Water ☐ Product	☒ Water ☐ Product	☒ Water ☐ Product	☐ Water ☐ Product	☐ Water ☐ Product	☐ Water ☐ Product
4. Is the ATG console clear of any active or recurring warnings or alarms regarding the sensor?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
5. If the sensor is in alarm indicate why.						
6. Is the sensor alarm circuit operational?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
7. Has the sensor been inspected and in good operational condition?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
8. When placed in the test liquid, does the sensor trigger an alarm?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
9. When an alarm is triggered, is the sensor properly identified on the ATG console?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
10. Is the sensor positioned properly?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
11. Is the sensor compatible with the fuel stored?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
12. When an alarm is triggered is the STP shut down?	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
A "No" in lines 4 or 6-11 indicates a failure.						
Test results:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

**Indicate if sensor is float switch, optical, electrical resistance, other (specify).*

***Piping is STP or transition sump.*

Comments:

Testing company name: MINNESOTA PETROLEUM Tester's name: JON BENDORF

Date (mm/dd/yyyy): 6/4/2025 Tester's signature: Jon Bendorf

UST overfill equipment inspection form

Underground Storage Tanks (UST) Program

Doc Type: Compliance Certification

Purpose: This form is for documenting the inspection of automatic shutoff devices and ball float valves. See PEI/RP1200, Section 7 for inspection procedures.

Facility information

Facility name: Lead Dakotamart

Facility address: 103 Glendale Dr Facility ID#:

City: Lead State: SD Zip code: 57754

Owner name:

Mailing address:

City: State: Zip code:

Phone: Fax: Email:

Testing information

1. Tank number	1	2	3	4	5	
2. Product stored	E10	E-10	UNL	PRE	DSL	
3. Tank volume, gallons	4001	6021	4001	4001	6032	
4. Tank diameter, inches	84	96	84	84	96	
5. Overfill device brand	OPW	FRANKLIN	FRANKLIN	OPW	OPW	
6. Type	☒ Auto shutoff ☐ Ball float	☒ Auto shutoff ☐ Ball float	☒ Auto shutoff ☐ Ball float	☒ Auto shutoff ☐ Ball float	☒ Auto shutoff ☐ Ball float	☐ Auto shutoff ☐ Ball float
Automatic shutoff inspection						
7. Drop tube removed from the tank?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
8. Drop tube and float are free of debris?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
9. Float moves freely without binding and poppet moves into flow path?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
10. Bypass valve is open and free of blockage (if present)?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
11. Flapper is adjusted to shut off flow at 95% capacity?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
A "No" in any line 7-11 indicates a failure						
Ball float valve inspection						
12. Tank top fittings are vapor tight and leak-free?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
13. Ball float cage free of debris?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
14. Ball is free of holes and cracks and moves freely in cage?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
15. Vent hole in pipe is open and near top of tank?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
16. Ball float pipe is proper length to restrict flow at 90% capacity? **	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
A "No" in any line 12-16 indicates a failure						
Test results:	☒Pass ☐Fail	☒Pass ☐Fail	☒Pass ☐Fail	☒Pass ☐Fail	☒Pass ☐Fail	☐Pass ☐Fail

**Use manufacturer's suggested procedure for determining if auto shutoff device will shut off flow at 95% capacity.*

*** Use manufacturer's suggested procedure for determining if flow restriction device will restrict flow at 90% capacity.*

Comments:

Testing company name: Minnesota Petroleum Tester's name: Jon Bendorf

Date (mm/dd/yyyy): 6/4/2025 Tester's signature:

UST shear valve inspection form

Underground Storage Tanks (UST) Program

Doc Type: Compliance Certification

Purpose: This form is for documenting the inspection of the shear valves. See PEI/RP1200, Section 10 for inspection procedures.

Facility information

Facility name: Lead Dakotamart

Facility address: 103 Glendale Dr Facility ID#:

City: Lead State: SD Zip code: 57754

Owner name:

Mailing address:

City: State: Zip code:

Phone: Fax: Email:

Testing information

1. Product grade	E10-87-Pre-DSL	E10-87-Pre-DSL	E10-87-Pre-DSL	E10-87-Pre-DSL		
2. Dispenser ID#	1/2	3/4	5/6	7/8		
3. Shear valve brand and model	OPW	OPW	OPW	OPW		
4. Is the shear valve a double poppet?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
5. Is the shear valve secondarily contained?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
6. Is the shear valve rigidly anchored to the dispenser box frame or dispenser island per the manufacturer's specifications?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
7. Is the shear section positioned between ½ inch above or below the top surface of the dispenser island?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
8. Is the lever arm free to move?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
9. Does the lever arm snap shut the poppet valve?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
10. Can any product be dispensed when the product shear valve is closed?	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
A "No" in lines 6-9 or a "Yes" for line 10 indicates a failure.						
Test results:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

Comments:

Testing company name: Minnesota Petroleum Tester's name: Jon Bendorf

Date (mm/dd/yyyy): 6/4/2025 Tester's signature:

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

FINAL REPORT

Test Date	*June 4th, 2025*

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

		Location	Lead Dakotamart
		Address	103 Glendale Dr
TOTAL TANK VOL.	4001	City/State/Zip	Lead, SD 57754
PRODUCT VOL.	2908	Location Contact	
ULLAGE VOL.	1093	Location Phone	
PRODUCT TYPE	GAS		
PBS # (NEW YORK)		Depth of Groundwater Determined:	
TANK #	TANK-1 E10 S	By:	Groundwater Locating Probe
		Where:	Tank Pit

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS **TIGHT TANK**
THIS UNDERGROUND STORAGE TANK **PASSES** THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION OF LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

No Water Intrusion	X
Water Instrusion	
Not Applicable	

Operator Information

Print Name	Jon Bendorf	Certification #	66-0365
Sign Name	Jon Bendorf	Expiration Date:	April-26
Testing Firm	Minnesota Petroleum	Telephone #	763-780-5191
Address	682-39th Ave NE		
	Columbia Heights, MN 55421		

NEW YORK STATE REQUIREMENT: A DIAGRAM OF THE TANK SYSTEM MUST BE SUBMITTED TO THE STATE WITH THIS REPORT

EQUIPMENT SERIAL NUMBERS AND CALIBRATION EXPIRATION DATES

	Serial Number	Calibration Expiration Date
IN-TANK MICROPHONE	M104527	April-26
ACOUSTIC SIGNAL PROCESSOR	E1041006	April-26
PRESSURE SENSOR	402701210	April-26
WATER SENSOR DISPLAY	D1032605	April-26
WATER SENSOR PROBE	P1034404	April-26

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

DATA SHEET

Test Date: June 4th, 2025

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

TOTAL TANK VOL.	4001	Location	Lead Dakotamart
PRODUCT VOL.	2908	Address	103 Glendale Dr
ULLAGE VOL.	1093	City/State/Zip	Lead, SD 57754
PRODUCT TYPE	GAS	Location Contact	
PBS # (NEW YORK)		Location Phone	
TANK #	TANK-1 E10 S	Depth of Groundwater Determined:	
		By:	Groundwater Locating Probe
		Where:	Tank Pit

PRESSURE SENSOR CALCULATION

57.0 INCHES OF PRODUCT	x	0.026 WEIGHT OF PRODUCT	1.482	PSI (1)
0.0 INCHES OF WATER IN TANK	x	.036	0.000	PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank		=	1.482	PSI (3)
0.0 INCHES OF WATER OUTSIDE TANK	x	.036	0.000	PSI (4)
Total Head Pressure Minus Outside Water Pressure		=	1.482	+/-PSI (5)
Always add .5 PSI		+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI				
TEST PRESSURE		=	1.982	+/-PSI (7)

ACOUSTIC TEST TIME

Equipment Calibration due date and serial numbers

	Time	Pressure		Serial Number	Callibration Due Date
Baseline Background:	8:38 AM	0.0			
Blower Started:	8:41 AM	0.0	In-Tank Microphone	M104527	April-26
Test Pressure Reached:	8:52 AM	2.050	Acoustic Signal Processor	E1041006	April-26
Blower Turned Off:	8:57 AM	2.050	Pressure Sensor	402701210	April-26
Test Began:	8:57 AM	2.050	Water Sensor Display	D1032605	April-26
Test Ended:	9:01 AM	2.026	Water Sensor Probe	P1034404	April-26

WATER SENSOR CALIBRATION

	Cal #1	Cal #2	Cal #3
Added:			
Average:			

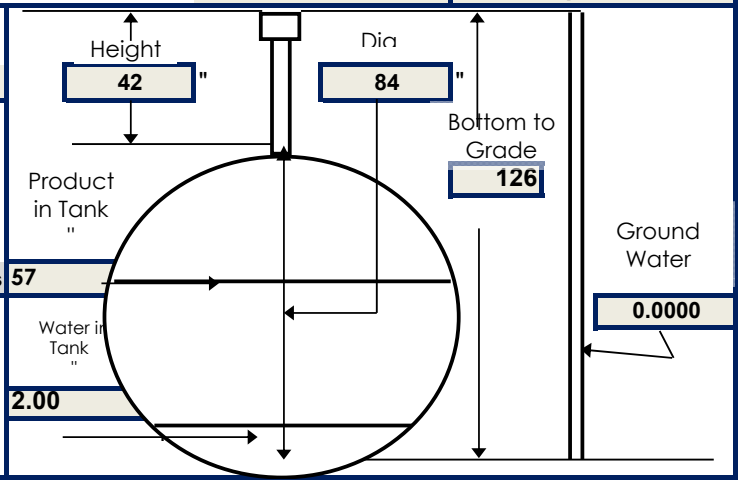
Calculation for Test Period:

50 Avg. Cal. ÷ 3780 = 0.013 "A" Factor #### 0.265 x 60 = 16 minutes Min. Time of Test

Water Intrusion Test Period

Began:

Ended:



PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

FINAL REPORT

Test Date	*June 4th, 2025*

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

		Location	Lead Dakotamart
		Address	103 Glendale Dr
TOTAL TANK VOL.	6021	City/State/Zip	Lead, SD 57754
PRODUCT VOL.	3983	Location Contact	
ULLAGE VOL.	2038	Location Phone	
PRODUCT TYPE	GAS		
PBS # (NEW YORK)		Depth of Groundwater Determined:	
TANK #	TANK-2 E10 N	By:	Groundwater Locating Probe
		Where:	Tank Pit

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS **TIGHT TANK**
THIS UNDERGROUND STORAGE TANK **PASSES** THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION OF LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

No Water Intrusion	X
Water Instrusion	
Not Applicable	

Operator Information

Print Name	Jon Bendorf	Certification #	66-0365
Sign Name	Jon Bendorf	Expiration Date:	April-26
Testing Firm	Minnesota Petroleum	Telephone #	763-780-5191
Address	682-39th Ave NE		
	Columbia Heights, MN 55421		

NEW YORK STATE REQUIREMENT: A DIAGRAM OF THE TANK SYSTEM MUST BE SUBMITTED TO THE STATE WITH THIS REPORT

EQUIPMENT SERIAL NUMBERS AND CALIBRATION EXPIRATION DATES

	Serial Number	Calibration Expiration Date
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ACOUSTIC SIGNAL PROCESSOR	E1041006	April-26
PRESSURE SENSOR	402701210	April-26
WATER SENSOR DISPLAY	D1032605	April-26
WATER SENSOR PROBE	P1034404	April-26

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

DATA SHEET

Test Date: June 4th, 2025

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

TOTAL TANK VOL.	6021	Location	Lead Dakotamart
PRODUCT VOL.	3983	Address	103 Glendale Dr
ULLAGE VOL.	2038	City/State/Zip	Lead, SD 57754
PRODUCT TYPE	GAS	Location Contact	
PBS # (NEW YORK)		Location Phone	
TANK #	TANK-2 E10 N	Depth of Groundwater Determined:	
		By:	Groundwater Locating Probe
		Where:	Tank Pit

PRESSURE SENSOR CALCULATION

60.0 INCHES OF PRODUCT	x	0.026 WEIGHT OF PRODUCT	1.560	PSI (1)
0.0 INCHES OF WATER IN TANK	x	.036	0.000	PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank		=	1.560	PSI (3)
0.0 INCHES OF WATER OUTSIDE TANK	x	.036	0.000	PSI (4)
Total Head Pressure Minus Outside Water Pressure		=	1.560	+/-PSI (5)
Always add .5 PSI		+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI				
TEST PRESSURE		=	2.060	+/-PSI (7)

ACOUSTIC TEST TIME

Equipment Calibration due date and serial numbers

	Time	Pressure		Serial Number	Callibration Due Date
Baseline Background:	9:06 AM	0.0			
Blower Started:	9:09 AM	0.0	In-Tank Microphone	M104527	April-26
Test Pressure Reached:	9:20 AM	2.110	Acoustic Signal Processor	E1041006	April-26
Blower Turned Off:	9:25 AM	2.110	Pressure Sensor	402701210	April-26
Test Began:	9:25 AM	2.110	Water Sensor Display	D1032605	April-26
Test Ended:	9:29 AM	2.079	Water Sensor Probe	P1034404	April-26

WATER SENSOR CALIBRATION

	Cal #1	Cal #2	Cal #3
Added:			
Average:			

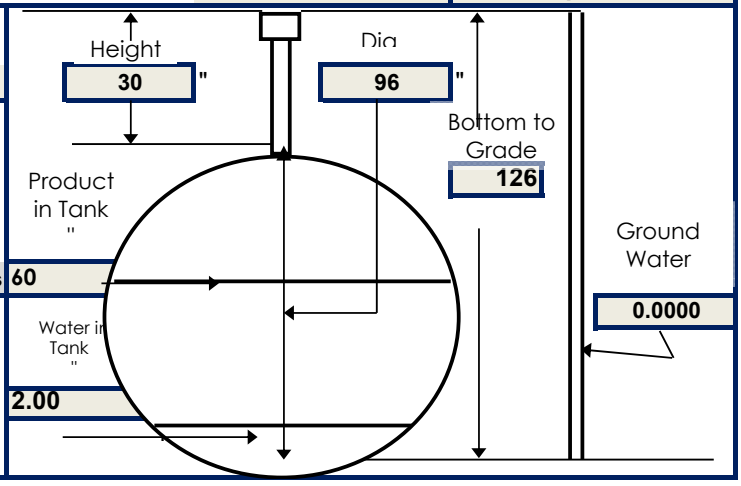
Calculation for Test Period:

50 Avg. Cal. ÷ 3780 = 0.013 "A" Factor #### 0.265 x 60 = 16 minutes Min. Time of Test

Water Intrusion Test Period

Began:

Ended:



PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

FINAL REPORT

Test Date	*June 4th, 2025*

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

		Location	Lead Dakotamart
		Address	103 Glendale Dr
TOTAL TANK VOL.	4001	City/State/Zip	Lead, SD 57754
PRODUCT VOL.	2854	Location Contact	
ULLAGE VOL.	1147	Location Phone	
PRODUCT TYPE	GAS		
PBS # (NEW YORK)		Depth of Groundwater Determined:	
TANK #	TANK-3 UNL	By:	Groundwater Locating Probe
		Where:	Tank Pit

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS **TIGHT TANK**
THIS UNDERGROUND STORAGE TANK **PASSES** THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION OF LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

No Water Intrusion	X
Water Instrusion	
Not Applicable	

Operator Information

Print Name	Jon Bendorf	Certification #	66-0365
Sign Name	Jon Bendorf	Expiration Date:	April-26
Testing Firm	Minnesota Petroleum	Telephone #	763-780-5191
Address	682-39th Ave NE		
	Columbia Heights, MN 55421		

NEW YORK STATE REQUIREMENT: A DIAGRAM OF THE TANK SYSTEM MUST BE SUBMITTED TO THE STATE WITH THIS REPORT

EQUIPMENT SERIAL NUMBERS AND CALIBRATION EXPIRATION DATES

	Serial Number	Calibration Expiration Date
IN-TANK MICROPHONE	M104527	April-26
ACOUSTIC SIGNAL PROCESSOR	E1041006	April-26
PRESSURE SENSOR	402701210	April-26
WATER SENSOR DISPLAY	D1032605	April-26
WATER SENSOR PROBE	P1034404	April-26

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

DATA SHEET

Systems & Training for the Petroleum Industry

Test Date: June 4th, 2025

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

TOTAL TANK VOL.	4001	Location	Lead Dakotamart
PRODUCT VOL.	2854	Address	103 Glendale Dr
ULLAGE VOL.	1147	City/State/Zip	Lead, SD 57754
PRODUCT TYPE	GAS	Location Contact	
PBS # (NEW YORK)		Location Phone	
TANK #	TANK-3 UNL	Depth of Groundwater Determined:	
		By:	Groundwater Locating Probe
		Where:	Tank Pit

PRESSURE SENSOR CALCULATION

56.0 INCHES OF PRODUCT	x	0.026 WEIGHT OF PRODUCT	1.456	PSI (1)
0.0 INCHES OF WATER IN TANK	x	.036	0.000	PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank		=	1.456	PSI (3)
0.0 INCHES OF WATER OUTSIDE TANK	x	.036	0.000	PSI (4)
Total Head Pressure Minus Outside Water Pressure		=	1.456	+/-PSI (5)
Always add .5 PSI		+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI				
TEST PRESSURE		=	1.956	+/-PSI (7)

ACOUSTIC TEST TIME

	Time	Pressure
Baseline Background:	10:05 AM	0.0
Blower Started:	10:08 AM	0.0
Test Pressure Reached:	10:16 AM	2.000
Blower Turned Off:	10:21 AM	2.000
Test Began:	10:21 AM	2.000
Test Ended:	10:25 AM	1.982

Equipment Calibration due date and serial numbers

	Serial Number	Callibration Due Date
In-Tank Microphone	M104527	April-26
Acoustic Signal Processor	E1041006	April-26
Pressure Sensor	402701210	April-26
Water Sensor Display	D1032605	April-26
Water Sensor Probe	P1034404	April-26

WATER SENSOR CALIBRATION

	Cal #1	Cal #2	Cal #3
Added:			
Average:			

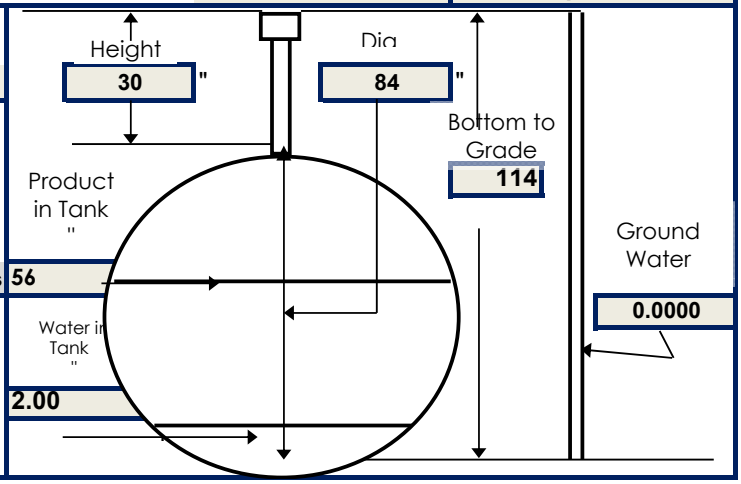
Calculation for Test Period:

50 Avg. Cal. ÷ 3780 = 0.013 "A" Factor #### 0.265 x 60 = 16 minutes Min. Time of Test

Water Intrusion Test Period

Began:

Ended:



PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

FINAL REPORT

Test Date	*June 4th, 2025*

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

		Location	Lead Dakotamart
		Address	103 Glendale Dr
TOTAL TANK VOL.	4001	City/State/Zip	Lead, SD 57754
PRODUCT VOL.	2689	Location Contact	
ULLAGE VOL.	1312	Location Phone	
PRODUCT TYPE	GAS		
PBS # (NEW YORK)		Depth of Groundwater Determined:	
TANK #	TANK-4 PRE	By:	Groundwater Locating Probe
		Where:	Tank Pit

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS **TIGHT TANK**
THIS UNDERGROUND STORAGE TANK **PASSES** THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION OF LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

No Water Intrusion	X
Water Instrusion	
Not Applicable	

Operator Information

Print Name	Jon Bendorf	Certification #	66-0365
Sign Name	Jon Bendorf	Expiration Date:	April-26
Testing Firm	Minnesota Petroleum	Telephone #	763-780-5191
Address	682-39th Ave NE		
	Columbia Heights, MN 55421		

NEW YORK STATE REQUIREMENT: A DIAGRAM OF THE TANK SYSTEM MUST BE SUBMITTED TO THE STATE WITH THIS REPORT

EQUIPMENT SERIAL NUMBERS AND CALIBRATION EXPIRATION DATES

	Serial Number	Calibration Expiration Date
IN-TANK MICROPHONE	M104527	April-26
ACOUSTIC SIGNAL PROCESSOR	E1041006	April-26
PRESSURE SENSOR	402701210	April-26
WATER SENSOR DISPLAY	D1032605	April-26
WATER SENSOR PROBE	P1034404	April-26

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

DATA SHEET

Test Date: June 4th, 2025

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

TOTAL TANK VOL.	4001	Location	Lead Dakotamart
PRODUCT VOL.	2689	Address	103 Glendale Dr
ULLAGE VOL.	1312	City/State/Zip	Lead, SD 57754
PRODUCT TYPE	GAS	Location Contact	
PBS # (NEW YORK)		Location Phone	
TANK #	TANK-4 PRE	Depth of Groundwater Determined:	
		By:	Groundwater Locating Probe
		Where:	Tank Pit

PRESSURE SENSOR CALCULATION

53.0 INCHES OF PRODUCT	x	0.026 WEIGHT OF PRODUCT	1.378	PSI (1)
0.0 INCHES OF WATER IN TANK	x	.036	0.000	PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank		=	1.378	PSI (3)
0.0 INCHES OF WATER OUTSIDE TANK	x	.036	0.000	PSI (4)
Total Head Pressure Minus Outside Water Pressure		=	1.378	+/-PSI (5)
Always add .5 PSI		+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI				
TEST PRESSURE		=	1.878	+/-PSI (7)

ACOUSTIC TEST TIME

	Time	Pressure
Baseline Background:	9:35 AM	0.0
Blower Started:	9:38 AM	0.0
Test Pressure Reached:	9:44 AM	1.950
Blower Turned Off:	9:49 AM	1.950
Test Began:	9:49 AM	1.950
Test Ended:	9:53 AM	1.926

Equipment Calibration due date and serial numbers

	Serial Number	Callibration Due Date
In-Tank Microphone	M104527	April-26
Acoustic Signal Processor	E1041006	April-26
Pressure Sensor	402701210	April-26
Water Sensor Display	D1032605	April-26
Water Sensor Probe	P1034404	April-26

WATER SENSOR CALIBRATION

	Cal #1	Cal #2	Cal #3
Added:			
Average:			

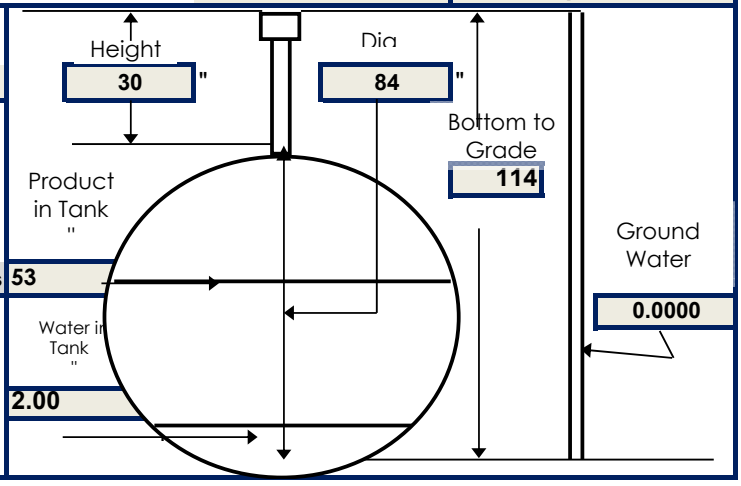
Calculation for Test Period:

50 Avg. Cal. ÷ 3780 = 0.013 "A" Factor #### 0.265 x 60 = 16 minutes Min. Time of Test

Water Intrusion Test Period

Began:

Ended:



PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

FINAL REPORT

Test Date *June 4th, 2025*

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

		Location	**Lead Dakotamart**
		Address	**103 Glendale Dr**
TOTAL TANK VOL.	**6032**	**City/State/Zip**	**Lead, SD 57754**
PRODUCT VOL.	**2827**	**Location Contact**	
ULLAGE VOL.	**3205**	**Location Phone**	
PRODUCT TYPE	**DSL**		
PBS # (NEW YORK)		**Depth of Groundwater Determined:**	
TANK #	**TANK-5 DSL**	**By:**	**Groundwater Locating Probe**
		Where:	**Tank Pit**

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS **TIGHT TANK**
THIS UNDERGROUND STORAGE TANK **PASSES** THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION OF LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

No Water Intrusion	**X**
Water Instrusion	
Not Applicable	

Operator Information

Print Name	**Jon Bendorf**	**Certification #**	**66-0365**
Sign Name	*Jon Bendorf*	**Expiration Date:**	**April-26**
Testing Firm	**Minnesota Petroleum**	**Telephone #**	**763-780-5191**
Address	**682-39th Ave NE**		
	Columbia Heights, MN 55421		

NEW YORK STATE REQUIREMENT: A DIAGRAM OF THE TANK SYSTEM MUST BE SUBMITTED TO THE STATE WITH THIS REPORT

EQUIPMENT SERIAL NUMBERS AND CALIBRATION EXPIRATION DATES

	Serial Number	Calibration Expiration Date
IN-TANK MICROPHONE	**M104527**	**April-26**
ACOUSTIC SIGNAL PROCESSOR	**E1041006**	**April-26**
PRESSURE SENSOR	**402701210**	**April-26**
WATER SENSOR DISPLAY	**D1032605**	**April-26**
WATER SENSOR PROBE	**P1034404**	**April-26**

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

DATA SHEET

Test Date: June 4th, 2025

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

TOTAL TANK VOL.	6032	Location	Lead Dakotamart
PRODUCT VOL.	2827	Address	103 Glendale Dr
ULLAGE VOL.	3205	City/State/Zip	Lead, SD 57754
PRODUCT TYPE	DSL	Location Contact	
PBS # (NEW YORK)		Location Phone	
TANK #	TANK-5 DSL	Depth of Groundwater Determined:	
		By:	Groundwater Locating Probe
		Where:	Tank Pit

PRESSURE SENSOR CALCULATION

45.0 INCHES OF PRODUCT	x	0.031 WEIGHT OF PRODUCT	1.395	PSI (1)
0.0 INCHES OF WATER IN TANK	x	.036	0.000	PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank			= 1.395	PSI (3)
0.0 INCHES OF WATER OUTSIDE TANK	x	.036	0.000	PSI (4)
Total Head Pressure Minus Outside Water Pressure			= 1.395	+/-PSI (5)
Always add .5 PSI			+ 0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI				
TEST PRESSURE			= 1.895	+/-PSI (7)

ACOUSTIC TEST TIME

	Time	Pressure
Baseline Background:	8:12 AM	0.0
Blower Started:	8:15 AM	0.0
Test Pressure Reached:	8:24 AM	1.950
Blower Turned Off:	8:29 AM	1.950
Test Began:	8:29 AM	1.950
Test Ended:	8:33 AM	1.938

Equipment Calibration due date and serial numbers

	Serial Number	Callibration Due Date
In-Tank Microphone	M104527	April-26
Acoustic Signal Processor	E1041006	April-26
Pressure Sensor	402701210	April-26
Water Sensor Display	D1032605	April-26
Water Sensor Probe	P1034404	April-26

WATER SENSOR CALIBRATION

	Cal #1	Cal #2	Cal #3
Added:			
Average:			

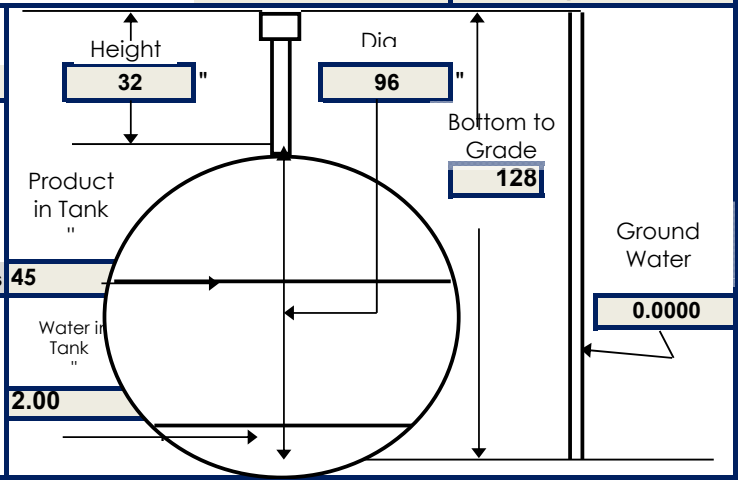
Calculation for Test Period:

50 (Avg. Cal.) ÷ 3780 = 0.013 ("A" Factor) #### 0.265 x 60 = 16 minutes (Time of Test) Min.

Water Intrusion Test Period

Began:

Ended:



UST secondary containment sump annual inspection form

Underground Storage Tanks (UST) Program

Doc Type: Compliance Certification

Purpose: This form is for documenting the inspection of submersible turbine pump (STP) sumps, transition sumps and dispenser sumps.

Facility information

Facility name: Lead Dakotamart

Facility address: 103 Glaendale Dr Facility ID#:

City: Lead State: SD Zip code: 57754

Owner name:

Mailing address:

City: State: Zip code:

Phone: Fax: Email:

Testing information

1. Tank number	2	3	4	5		
2. Product stored	E10 N	UNL	PRE	DSL		
3. Tank volume, gallons	6021	4001	4001	6032		
4. Dispenser ID#	1-2,3-4,5-6,7-8	1-2,3-4,5-6,7-8	1-2,3-4,5-6,7-8	1-2,3-4,5-6,7-8		
5. Are the sump lids, gaskets and seals present and in good condition?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
6. Is the sump free of fuel, water or debris?	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No
7. Is the sump free of cracks, holes, bulges, or other defects?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
8. Is the interstice on secondarily contained piping in the STP sump open?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
9. Is the sump sensor properly positioned at the bottom of the sump and operating according to the manufacturer's specifications?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
10. Within the past twelve months has the sump sensor passed a functionality test?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
11. Are penetration fittings and entry boots intact, secure and free of damage?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
12. Are the STP components, meters, piping and flexible connectors free of leaks or seeps?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
13. Are piping and flexible connectors installed according to the manufacturer's specifications (not kinked, twisted or cracked)?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No
14. Are electrical junction boxes and seal-offs sealed, free of corrosion and in good condition?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
15. If the sump is double-walled has the interstitial sensor passed a functionality test within the past twelve months?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
A "No" in any line indicates a failure.						
Test results:	☒Pass ☐Fail	☒Pass ☐Fail	☒Pass ☐Fail	☒Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail

Comments:

Testing company name: Minnesota Petroleum Tester's name: Jon Bendorf

Date (mm/dd/yyyy): 6/4/2025 Tester's signature: Jon Bendorf

DRI-SUMP® Containment Tightness Test Report

Date: 06/03/2025

Facility Name: Laed Dakotamart	Owner:
Address: 103 Glendale Dr	Address:
City, State, Zip: Lead, SD 57754	City, State, Zip:
Facility I.D. #:	Phone:

Number	1	2	3	4	5	6
Product Stored	E10 S	E10 N	UNL	PRE	DSL	E10 N
Sump Type	■ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	■ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	■ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	■ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	■ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ■ STP
Construction	■ Single-walled ☐ Double-walled	■ Single-walled ☐ Double-walled	☐ Single-walled ■ Double-walled	■ Single-walled ☐ Double-walled	■ Single-walled ☐ Double-walled	■ Single-walled ☐ Double-walled
Liquid & debris removed	■ Yes ☐ No	■ Yes ☐ No	■ Yes ☐ No	■ Yes ☐ No	■ Yes ☐ No	■ Yes ☐ No
Visual Inspection (No cracks, loose parts or sump/pipe separation points.)	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail
Test in seconds	60	60	60	60	60	60
Laser Verification	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)
Final Test Results	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail

Must pass/fail visual sump inspection and Laser results seen by the laser-line (fail) or laser-dot (pass) Conduct second test on any sump which fails the first test. VST location Map may be attached to this report if applicable.

COMMENTS:

Tester Name and Company Contact Information:	Jon Bendorf Minnesota Petroleum Service 682-39th Ave NE Columbia Heights, MN 55421	
Tester Certification Info:	Certification #: DS-MNPS-01	Cert Date: ~~04-30-2025~~
Equipment Certification Info:	Certification #:	Cert Date:

DRI-SUMP® Containment Tightness Test Report

Date: 6/03/2025

Facility Name: Lead Dakotamart	Owner:
Address: 103 Glendale Dr	Address:
City, State, Zip: Lead, SD 57754	City, State, Zip:
Facility I.D. #:	Phone:

Number	7	8	9	10	11	12
Product Stored	UNL	PRE	DSL	ALL	ALL	ALL
Sump Type	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ■ STP	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ■ STP	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ■ STP	☐ Spill Bucket ■ UDC _____ ☐ Transitional ☐ STP	☐ Spill Bucket ■ UDC _____ ☐ Transitional ☐ STP	☐ Spill Bucket ■ UDC _____ ☐ Transitional ☐ STP
Construction	■ Single-walled ☐ Double-walled	■ Single-walled ☐ Double-walled	■ Single-walled ☐ Double-walled	■ Single-walled ☐ Double-walled	■ Single-walled ☐ Double-walled	■ Single-walled ☐ Double-walled
Liquid & debris removed	■ Yes ☐ No	■ Yes ☐ No	■ Yes ☐ No	■ Yes ☐ No	■ Yes ☐ No	■ Yes ☐ No
Visual Inspection (No cracks, loose parts or sump/pipe separation points.)	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail
Test in seconds	60	60	60	60	60	60
Laser Verification	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)	■ Dot (pass) ☐ Line (fail)
Final Test Results	■ Pass ☐ Fail	☐ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail	■ Pass ☐ Fail

Must pass/fail visual sump inspection and Laser results seen by the laser-line (fail) or laser-dot (pass) Conduct second test on any sump which fails the first test. VST location Map may be attached to this report if applicable.

COMMENTS:

Tester Name and Company Contact Information:		
Tester Certification Info:	Certification #:	Cert Date:
Equipment Certification Info:	Certification #:	Cert Date:

DRI-SUMP® Containment Tightness Test Report

Date: 06-03-2025

Facility Name: Lead Dakotamart	Owner:
Address: 103 Glendale Dr	Address:
City, State, Zip: Lead, SD 57754	City, State, Zip:
Facility I.D. #:	Phone:

Number	13					
Product Stored	ALL					
Sump Type	☐ Spill Bucket ■ UDC _____ ☐ Transitional ☐ STP	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP	☐ Spill Bucket ☐ UDC _____ ☐ Transitional ☐ STP
Construction	☐ Single-walled ☐ Double-walled	☐ Single-walled ☐ Double-walled	☐ Single-walled ☐ Double-walled	☐ Single-walled ☐ Double-walled	☐ Single-walled ☐ Double-walled	☐ Single-walled ☐ Double-walled
Liquid & debris removed	■ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Visual Inspection (No cracks, loose parts or sump/pipe separation points.)	■ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Test in seconds	60					
Laser Verification	■ Dot (pass) ☐ Line (fail)	☐ Dot (pass) ☐ Line (fail)	☐ Dot (pass) ☐ Line (fail)	☐ Dot (pass) ☐ Line (fail)	☐ Dot (pass) ☐ Line (fail)	☐ Dot (pass) ☐ Line (fail)
Final Test Results	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

Must pass/fail visual sump inspection and Laser results seen by the laser-line (fail) or laser-dot (pass) Conduct second test on any sump which fails the first test. VST location Map may be attached to this report if applicable.

COMMENTS:

Tester Name and Company Contact Information:		
Tester Certification Info:	Certification #:	Cert Date:
Equipment Certification Info:	Certification #:	Cert Date: