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The Widdicomb Building
601 Fifth Street NW
Suite 102
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T: 616.956.6123
F: 616.288.3327
www.gza.com

**Sent Via Email: Florencia.GarzaInfante@SpartanNash.com**

May 23, 2025; Revised June 16, 2025
File No. 16.0063303.01

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

Re: Phase II Environmental Site Assessment Summary Report
800 and 844 Mount Rushmore Road, Custer, SD

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 Company (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 800 and 844 Mount Rushmore Road, Custer, South Dakota* report dated March 13, 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 four approximately 2.64-acre parcels and contains one grocery store occupied by Lynn's Dakotamart and an attached filling station identified as Lynn's Dakotamart Gas. The filling station includes four underground storage tanks (USTs).

Historical records indicate the Subject Property was developed with several buildings by the early 1950s with changes/redevelopment through the 1970s. It appears automotive service and/or fueling operations occurred on the northeast corner of the Subject Property from at least 1951 to the late 1980s. An additional automotive service station appears to have been located on the northwest portion of the Subject Property prior to the mid 1970s. The Subject Property was partially redeveloped with the original portion of the present-day grocery store on the west side of the Subject Property in 1975. Multiple additions were constructed to the grocery store over time. Land disturbances were observed on the northeast and central portions of the Subject Property in 2005. By 2012, all the buildings aside from the grocery store were razed. The current filling station was constructed on the east side of the grocery store by 2020. Since the early 1990s, occupants of the Subject Property have included a plumbing and trenching company (with possible automotive repair activities), Logger Headquarters, grocery stores, gas stations, and other commercial tenants.

GZA's 2025 Phase I ESA identified two recognized environmental conditions (RECs) in connection with the Subject Property. The following RECs were identified in the 2025 Phase I ESA:

- *The northeast portion of the Subject Property was historically used as an automotive service and filling station for at minimum 30 to 40 years (1951 to late 1980s). 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 northeast portion of the Subject Property. However, it does not appear the sampling included volatile organic compounds, compounds typically associated with fuels and 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.*

- *An additional service station on the northwest portion of the Subject Property was identified through a prior assessment on the Subject Property and information provided by the city. It is unclear how long this service station operated on the Subject Property; however, based on our experience, gasoline service station operations commonly result in material releases of petroleum products and/or hazardous substances as a result of leaking storage tanks, dispensers, or incidental spills or disposals. These operations would have occurred prior to current regulatory standards (RCRA of 1976). No records of sampling on the northwest portion of the Subject Property were identified during the course of this assessment. GZA opines the likelihood of a material release of hazardous substances and/or petroleum products from the former service station operations on the northwestern portion of the Subject Property is a REC.*

Based on the RECs identified in the 2025 Phase I ESA, GZA opined further investigation was warranted to determine if hazardous substances and/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 six 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 23, 2025. The Phase II ESA conformed to ASTM E1903-19 in following industry standards. On April 9, 2025, GZA subcontracted Private Underground Locating to clear subsurface utilities and soil probe locations. Private Locate also completed a GPR survey of the northwest corner of the property to check for anomalies that may indicate an old UST or old UST basin related to a former service station. 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 inferred groundwater flow direction and RECs investigated.

On April 23, 2025, GZA observed the advancement of six soil probes (P-1 through P-6) by Bergerson Caswell (Maple Plain, MN) using a direct-push GeoProbe® drill rig. Soil probes were advanced to maximum depths of 7 to 12 feet below ground surface (bgs). P-1 and P-2 were located on the northwestern corner of the Site southeast of the intersection of Mt. Rushmore Road and S 8th Street in the approximate location as a former service station that was not previously investigated. Soil probes P-3 through P-6 were advanced on the northeastern corner of the Site southwest of the intersection of Mt. Rushmore Road and N 9th Street in the approximate location of a second former service station. Prior investigations were conducted in the area of the northeastern service station; however, investigations did not include the full range of VOCs. Refusal was only encountered in one soil probe (P-1) prior to encountering groundwater. The first probe was advanced continuously to refusal at seven feet. Subsequent probes were advanced between 10.5 to 12 feet with groundwater being encountered approximately six to seven feet bgs. Refer to **Figure 1** for soil probes locations.

GZA staff made visual, tactile, and olfactory observations of recovered soils, checking for the presence of noticeable potential contamination. Odors (or light odors) were noted in P-2 and P-6. Soils were also field screened for volatile organic compounds (VOCs) using a 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. Detectable concentrations of VOCs ( >10 ppm) were only identified during the PID screening in P-2.

Surface materials in soil probe consisted of approximately four to five inches of concrete depending on boring location, generally followed by fine to coarse grained sand and clay to the terminus of the soil borings. Rock fragments, sandy clay, clayey sand, and weathered bedrock were also observed in some of the soil borings. GZA collected a total of eight soil samples from soil probes from depth intervals ranging from two to four feet bgs and six to 12 feet bgs. Soil samples collected for laboratory analysis were generally collected from intervals with the highest PID reading from each probe. Groundwater was encountered in soil probes P-2 through P-6, and a sample was collected for laboratory analysis. Groundwater was not encountered in soil probe P-1 and, in lieu of a groundwater sample, an additional soil sample was collected from the probe terminus. Refer to **Attachment 2** for soil probe logs.

The soil and groundwater 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 gasoline range organics (GRO), benzene, ethylbenzene, toluene, and xylenes (BETX) and methyl-tert-butyl-ether (MTBE) using Method OA-1; total petroleum hydrocarbons (TPH) using Method OA-2; and volatile organic compounds (VOC) using EPA Method 8260D.

**ANALYTICAL RESULTS**

Soil

TPH was detected in P-2 and P-4 at concentrations ranging from 32.4 mg/kg and 207 mg/kg. The detected concentrations were less than the Tier I Action Levels of 500 mg/kg. The only VOC detected was sec-butylbenzene at 0.131 mg/kg. No Tier I standard or Composite Worker Risk-Based RSL has been established for sec-butylbenzene. GRO was detected in P-2 and P-3 at concentrations ranging from 3.75 mg/kg to 171 mg/kg, below the Tier 1 Action Level for Total Petroleum Hydrocarbons. Total xylenes were detected at 0.464 mg/kg in P-2 which was below the Tier I standard. No other VOCs were detected in the soil samples analyzed.

Groundwater

TPH was detected in P-2 through P-5 at concentrations ranging from 0.59 mg/l to 57.1 mg/l. The TPH concentration in P-2 of 57.1 mg/l exceeds the groundwater standard (South Dakota Administrative Rule 74:54:01:04). sec-Butylbenzene was also detected in P-2 at 0.0058 mg/l. No groundwater standard has been established for sec-butylbenzene. No other VOCs were detected in the soil samples analyzed.

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 two USTs totaling 20,000 gallons and 15,000 gallons, which are compartmentalized and function as four separate tanks. Minnesota Petroleum Service conducted the testing on June 3, 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 TPH in groundwater at the Subject Property above the Groundwater Standard. The detection of petroleum constituents on the northwest corner of the Subject Property may indicate a historical petroleum release from the former service station. 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.

Nicole Wagner
Scientist I

Jeremy Pavlish
Senior Project Manager

Loretta J. Powers, CHMM
Associate Principal

Attachments: Figure 1
Tables 1 and 2
Attachment 1 – Limitations
Attachment 2 – Soil Boring 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 - Hot Springs | |
|---|---|
| Figure 1<br>Soil Probe Locations | 800 and 844 Mt. Rushmore Road<br>Custer, SD |

GZA Project Number: 16.0063603.01
Fieldwork Date: April 9 & 23, 2025
Prepared For: SpartanNash Company

0 100 200
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.

**TABLES**

Table 1

Soil Analytical Results (mg/kg)
800 and 844 Mount Rushmore Road, Custer, SD

| Sample ID<br>Date<br>PID<br>Compound | P-1 (2-4)<br>4/23/2025<br>0.2 | P-1 (6-7)<br>4/23/2025<br>0.1 | P-2 (8-10)<br>4/23/2025<br>371.0 | P-2 (10-12)<br>4/23/2025<br>119.8 | P-3 (2-4)<br>4/23/2025<br>1.5 | P-4 (2-4)<br>4/23/2025<br>0.3 | P-5 (2-4)<br>4/23/2025<br>0.3 | P-6 (6-8)<br>4/23/2025<br>1.9 | Tier I Standard | Composite Worker Risk Based RSLs |
|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organic Compounds - Method 8260D | | | | | | | | | | |
| sec-Butylbenzene | ND | ND | 0.131 | ND | ND | ND | ND | ND | NE | NE |
| Total Extractable Hydrocarbons - Method OA-1 | | | | | | | | | | |
| Gasoline Range Organics | ND | ND | 171 | 5.27 | 3.75 | ND | ND | ND | NE | NE |
| Total Xylenes | ND | ND | 0.464 | ND | ND | ND | ND | ND | 300 | 2490 |
| Total Petroleum Hydrocarbons - Method OA-2 | | | | | | | | | | |
| Total Petroleum Hydrocarbons | ND | ND | 207 | 45.2 | ND | 32.4 | ND | ND | 500 | 222 - 3,500,000 |

Composite Worker Risked Based RSL calculated using Hazard Quotient of 1, Hazard Index of $1x10^{-5}$,

Notes:
NA = Not Analyzed
NE = Not Established
ND = Below Laboratory Reporting Limit
Tier I Standard = SD Admin Rule 74:56:05:07 and 74:56:05:08
RSL = Reference Soil Level
Value Exceeds Tier I Standard
Value Exceeds Composite Work Risk Based RSL

Table 2

Groundwater Analytical Results (mg/l)
800 and 1844 Mount Rushmore Road, Custer, SD

| Sample ID / Date / Compound | P-2 4/23/2025 | P-3 4/23/2025 | P-4 4/23/2025 | P-5 4/23/2025 | P-6 4/23/2025 | Groundwater Standard |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds - Method 8260D | | | | | | |
| sec-Butylbenzene | 0.0058 | ND | ND | ND | ND | NE |
| Total Extractable Hydrocarbons - Method OA-1 | | | | | | |
| Gasoline Range Organics | ND | ND | ND | ND | ND | NE |
| Total Xylenes | ND | ND | ND | ND | ND | 10 |
| Total Petroleum Hydrocarbons - Method OA-2 | | | | | | |
| Total Petroleum Hydrocarbons | 57.1 | 1.6 | 1.5 | 0.59 | ND | 10 |

NE = Not established
ND = Below Laboratory Reporting Limit
Groundwater Standard = SD Admin Rule 74:54:01:04
Value Exceeds Groundwater Standard

**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 BORING LOGS**

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

# PROBE NUMBER P-1



**CLIENT** SpartanNash Distribution LLC
**PROJECT NAME** Lynns Dakotamart and Dakotamart Gas Custer
**PROJECT NUMBER** 16.0063603.01
**PROJECT LOCATION** 800 & 844 Mt Rushmore Rd
**DATE STARTED** 4/23/25 **COMPLETED** 4/23/25
**GROUND ELEVATION** N/A **HOLE SIZE** 2" inches
**DRILLING CONTRACTOR** Bergerson Caswell Inc
**DRILLING METHOD** Direct Push
**LOGGED BY** N. Wagner **CHECKED BY** J. Pavlish
**DRILL RIG** Truck-Mounted

**GROUND WATER LEVELS (ft, bgs):**

| DATE | TIME | DEPTH | CASING | STAB |
|---|---|---|---|---|
| 4/23/2025 | | N/A | | |
| | | | | |
| | | | | |
| | | | | |

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION | REMARKS | SAMPLE NUMBER (Depth Interval) | PID RESULTS (ppm) | RECOVERY (%) |
|---|---|---|---|---|---|---|
| 0.0 | | (0-5") CONCRETE<br>(5-11") SAND, f-c, some gravel, little clay, red-brown, moist.<br>(11"-2') CLAY; little sand, dark brown to black-brown, moist. | | | 0.1 | 50 |
| 2.5 | | (3.67-4') CLAY; with sand, brown, moist. | 1 | P-1 (2-4) | 0.2 | 50 |
| 5.0 | | (4-5') CLAY; little sand, brown, moist.<br>(5-6') SAND; f-c, some rock fragments, little clay (brown sand), white/tan or brown, moist. | | | 0.0 | 70 |
| | | (6-7') SAND; f-c, some rock fragments, little clay (brown sand), white, brown, or grey, moist. | 2 | P-1 (6-7) | 0.1 | 70 |

Refusal at 7' bgs. No groundwater was encountered. Probe back-filled with bentonite.

**REMARKS**

1. Soil sample collected from 2-4' bgs and analyzed OA-1, OA-2, and VOCs.
2. Soil sample collected from 6-7' bgs and analyzed OA-1, OA-2, and VOCs.

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/19/25 21:36 - J:\GINT PROJECT DATABASES\16.0063603.01 CUSTER, 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** Lynns Dakotamart and Dakotamart Gas Custer
**PROJECT NUMBER** 16.0063603.01
**PROJECT LOCATION** 800 & 844 Mt Rushmore Rd
**DATE STARTED** 4/23/25 **COMPLETED** 4/23/25
**GROUND ELEVATION** N/A **HOLE SIZE** 2" inches
**DRILLING CONTRACTOR** Bergerson Caswell Inc
**DRILLING METHOD** Direct Push
**LOGGED BY** N. Wagner **CHECKED BY** J. Pavlish
**DRILL RIG** Truck-Mounted

**GROUND WATER LEVELS (ft, bgs):**

| DATE | TIME | DEPTH | CASING | STAB |
|---|---|---|---|---|
| 4/23/2025 | | 6.2 | | |
| | | | | |
| | | | | |
| | | | | |

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION | REMARKS | SAMPLE NUMBER (Depth Interval) | PID RESULTS (ppm) | RECOVERY (%) |
|---|---|---|---|---|---|---|
| 0.0 | | (0-5") CONCRETE<br>(5"-1.42') SAND; f-c, some gravel, little clay, red or white, moist.<br>(1.42'-3') CLAY; little sand, black, moist, light odor. | | | 106.6 | 90 |
| 2.5 | | (3-6.5') CLAY; little rock fragments, brown, moist. | | | 3.9 | 90 |
| 5.0 | | | | | 5.5 | 70 |
| 7.5 | | (6.5-7') SAND; f-c, some rock fragments, little clay, brown, moist/wet.<br>(7-9') CLAYEY SAND; f-c, black, moist/wet, odor. | | | 62.2 | 70 |
| 10.0 | | (9-10') SAND; f-m, some clay, black, wet, odor. | 1 | P-2 (8-10) | 371.0 | 80 |
| | | (10-10.5') SAND; some clay, moist/wet.<br>(10.5-12') SAND; f-c, some rock fragments and clay, brown, wet/moist. | 2 | P-2 (10-12) | 119.8 | 80 |
| | | End of Probe at 12' bgs. Temporary screen set from 5-10' for collection of groundwater. Probe back-filled with bentonite. | 3 | P-2 | | |

**REMARKS**

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

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

# PROBE NUMBER P-3



**CLIENT** SpartanNash Distribution LLC
**PROJECT NAME** Lynns Dakotamart and Dakotamart Gas Custer
**PROJECT NUMBER** 16.0063603.01
**PROJECT LOCATION** 800 & 844 Mt Rushmore Rd
**DATE STARTED** 4/23/25 **COMPLETED** 4/23/25
**GROUND ELEVATION** N/A **HOLE SIZE** 2" inches
**DRILLING CONTRACTOR** Bergerson Caswell Inc
**DRILLING METHOD** Direct Push
**LOGGED BY** N. Wagner **CHECKED BY** J. Pavlish
**DRILL RIG** Truck-Mounted

**GROUND WATER LEVELS (ft, bgs):**

| DATE | TIME | DEPTH | CASING | STAB |
|---|---|---|---|---|
| 4/23/2025 | | 6.5 | | |
| | | | | |
| | | | | |
| | | | | |

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION | REMARKS | SAMPLE NUMBER (Depth Interval) | PID RESULTS (ppm) | RECOVERY (%) |
|---|---|---|---|---|---|---|
| 0.0 | | (0-4") CONCRETE<br>(4"-1') SAND; f-c, some gravel, little clay, tan, moist.<br>(1-2') SAND; f-c, some gravel, brown, moist, organics. | | | 2.0 | 70 |
| 2.5 | | (2-6') CLAY; some rock fragments, little sand, dark brown to black-brown, moist. Less rock fragments and more sand at 6'. | 1 | P-3 (2-4) | 1.5 | 70 |
| 5.0 | | | | | 0.8 | 60 |
| 7.5 | | (6-8') SAND; f-c, some rock fragments, little clay, brown, white or tan, moist. Variability within interval. | | | 0.7 | 60 |
| 10.0 | | (8-8.5') SAND; c, brown, wet.<br>(8.5-10') SAND; f-m, some rock fragments, little clay, brown, wet. | | | 0.8 | 70 |
| | | (10-12') WEATHERED BEDROCK. | | | 0.5 | 70 |
| | | End of Probe at 12' bgs. Temporary screen set from 5-10' for collection of groundwater. Probe back-filled with bentonite. | 2 | P-3 | | |

**REMARKS**

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

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/19/25 21:36 - J:\GINT PROJECT DATABASES\16.0063603.01 CUSTER, SD.GPJ

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

# PROBE NUMBER P-4



**CLIENT** SpartanNash Distribution LLC
**PROJECT NAME** Lynns Dakotamart and Dakotamart Gas Custer
**PROJECT NUMBER** 16.0063603.01
**PROJECT LOCATION** 800 & 844 Mt Rushmore Rd
**DATE STARTED** 4/23/25 **COMPLETED** 4/23/25
**GROUND ELEVATION** N/A **HOLE SIZE** 2" inches
**DRILLING CONTRACTOR** Bergerson Caswell Inc
**DRILLING METHOD** Direct Push
**LOGGED BY** N. Wagner **CHECKED BY** J. Pavlish
**DRILL RIG** Truck-Mounted

**GROUND WATER LEVELS (ft, bgs):**

| DATE | TIME | DEPTH | CASING | STAB |
|---|---|---|---|---|
| 4/23/2025 | | 6.3 | | |
| | | | | |
| | | | | |
| | | | | |

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION | REMARKS | SAMPLE NUMBER (Depth Interval) | PID RESULTS (ppm) | RECOVERY (%) |
|---|---|---|---|---|---|---|
| 0.0 | | (0-4") CONCRETE<br>(4"-1.5') SAND; f-c, little gravel, tan, moist.<br>(1.5-1.75') CLAY; little sand, black-brown, moist.<br>(1.75-2') ROCK FRAGMENTS, moist. | | | 0.5 | 70 |
| 2.5 | | (2-4') CLAY; some rock fragments, little sand, black-brown, moist. | 1 | P-4 (2-4) | 0.3 | 70 |
| | | (4-6.5') CLAY; little rock fragments, light brown, moist. | | | 0.5 | 80 |
| 5.0 | | (6.5-7.75') CLAY; little rock fragments, light brown, wet.<br>(7.75-9') SANDY CLAY, moist/wet. | | | 0.3 | 80 |
| 7.5 | | (9-9.5') SAND; m-c, little rock fragments and clay; brown, moist/wet.<br>(9.5-12') WEATHERED BEDROCK. | | | 0.5 | 90 |
| 10.0 | | | | | 0.2 | 90 |
| | | End of Probe at 12' bgs. Temporary screen set from 5-10' for collection of groundwater. Probe back-filled with bentonite. | 2 | P-4 | | |

**REMARKS**

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

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/20/25 08:59 - J:\GINT PROJECT DATABASES\16.0063603.01 CUSTER, SD.GPJ

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

# PROBE NUMBER P-5



**CLIENT** SpartanNash Distribution LLC
**PROJECT NAME** Lynns Dakotamart and Dakotamart Gas Custer
**PROJECT NUMBER** 16.0063603.01
**PROJECT LOCATION** 800 & 844 Mt Rushmore Rd
**DATE STARTED** 4/23/25 **COMPLETED** 4/23/25
**GROUND ELEVATION** N/A **HOLE SIZE** 2" inches
**DRILLING CONTRACTOR** Bergerson Caswell Inc
**DRILLING METHOD** Direct Push
**LOGGED BY** N. Wagner **CHECKED BY** J. Pavlish
**DRILL RIG** Truck-Mounted

**GROUND WATER LEVELS (ft, bgs):**

| DATE | TIME | DEPTH | CASING | STAB |
|---|---|---|---|---|
| 4/23/2025 | | 5.9 | | |
| | | | | |
| | | | | |
| | | | | |

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION | REMARKS | SAMPLE NUMBER (Depth Interval) | PID RESULTS (ppm) | RECOVERY (%) |
|---|---|---|---|---|---|---|
| 0.0 | | (0-4") CONCRETE<br>(4"-8") SAND; f-c, some gravel, grey, tan, or orange, moist.<br>(8"-2') SAND, f-c, some rock fragments, little clay, brown, moist. | | | 0.4 | 70 |
| 2.5 | | (2-3.5') CLAY; little sand, brown, moist.<br>(3.5-4') ROCK FRAGEMENTS; some sand, moist. | 1 | P-5 (2-4) | 0.3 | 70 |
| 5.0 | | (4-8.33') SAND; f-m, some rock fragments, little clay, moist. After 6' - moist/a little wet with 1"-2" sections of coarse sand. | | | 0.3 | 60 |
| 7.5 | | (8.33-8.83') SAND, f-c, some rock fragments, brown, wet.<br>(8.83-10') SAND; f-m, some rock fragments, little clay, brown, wet. | | | 0.2 | 60 |
| 10.0 | | (10-10.25') ROCK FRAGEMENTS; some sand, moist.<br>(10.25-10.5') WEATHERED BEDROCK. | | | 0.7 | 90 |
| | | Refusal at 10.5' bgs. Temporary screen set from 4-9' for collection of groundwater. Probe back-filled with bentonite. | 2 | P-5 | 0.4 | 90 |

**REMARKS**

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

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/19/25 21:36 - J:\GINT PROJECT DATABASES\16.0063603.01 CUSTER, SD.GPJ

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

# PROBE NUMBER P-6



**CLIENT** SpartanNash Distribution LLC
**PROJECT NAME** Lynns Dakotamart and Dakotamart Gas Custer
**PROJECT NUMBER** 16.0063603.01
**PROJECT LOCATION** 800 & 844 Mt Rushmore Rd
**DATE STARTED** 4/23/25 **COMPLETED** 4/23/25
**GROUND ELEVATION** N/A **HOLE SIZE** 2" inches
**DRILLING CONTRACTOR** Bergerson Caswell Inc
**DRILLING METHOD** Direct Push
**LOGGED BY** N. Wagner **CHECKED BY** J. Pavlish
**DRILL RIG** Truck-Mounted

**GROUND WATER LEVELS (ft, bgs):**

| DATE | TIME | DEPTH | CASING | STAB |
|---|---|---|---|---|
| 4/23/2025 | | 6.9 | | |
| | | | | |
| | | | | |
| | | | | |

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION | REMARKS | SAMPLE NUMBER (Depth Interval) | PID RESULTS (ppm) | RECOVERY (%) |
|---|---|---|---|---|---|---|
| 0.0 | | (0-5") CONCRETE<br>(5-9") SAND, f-c, some gravel, orange or grey, moist.<br>(9"-2') CLAY; little sand, dark brown to black-brown, moist, orange staining. | | | 0.2 | 90 |
| 2.5 | | (2-4.25') CLAY; little sand and rock fragments, light brown, moist. | | | 0.2 | 90 |
| 5.0 | | (4.25-6.25') SAND; f-c, some rock fragments, little to some clay, brown, moist. | | | 0.1 | 80 |
| 7.5 | | (6.25-8.5') SAND, f-m, some rock fragments, little clay, brown, moist. Light odor between 6-8'. After 8' - wet. | 1 | P-6 (6-8) | 1.9 | 80 |
| 10.0 | | (8.5-10') SAND, f-c, some rock fragments, little to some clay, wet. | | | 1.0 | 80 |
| | | (10-10.5') ROCK FRAGMENTS; some sand, moist.<br>(10.5-11') SAND; f-m, some rock fragments, little clay, brown, moist.<br>(11-12') WEATHERED BEDROCK. | | | 0.3 | 80 |
| | | End of Probe at 12' bgs. Temporary screen set from 5-10' for collection of groundwater. Probe back-filled with bentonite. | 2 | P-6 | | |

**REMARKS**

1. Soil sample collected from 6-8' bgs and analyzed OA-1, OA-2, and VOCs.
2. Groundwater sample collected and analyzed OA-1, OA-2, and VOCs.

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 5/19/25 21:36 - J:\GINT PROJECT DATABASES\16.0063603.01 CUSTER, 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: Custer - 16.0063603.01
Pace Project No.: 10732183

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

# CERTIFICATIONS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

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

# CERTIFICATIONS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**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 Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
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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Minneapolis, MN 55414
(612)607-1700

## SAMPLE SUMMARY

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **10732183001** | **P-1 (2-4)** | Solid | 04/23/25 09:50 | 04/24/25 08:50 |
| **10732183002** | **P-1 (6-7)** | Solid | 04/23/25 10:00 | 04/24/25 08:50 |
| **10732183003** | **P-2 (8-10)** | Solid | 04/23/25 11:45 | 04/24/25 08:50 |
| **10732183004** | **P-2 (10-12)** | Solid | 04/23/25 12:45 | 04/24/25 08:50 |
| **10732183005** | **P-3 (2-4)** | Solid | 04/23/25 11:25 | 04/24/25 08:50 |
| **10732183006** | **P-4 (2-4)** | Solid | 04/23/25 12:20 | 04/24/25 08:50 |
| **10732183007** | **P-5 (2-4)** | Solid | 04/23/25 13:15 | 04/24/25 08:50 |
| **10732183008** | **P-6 (6-8)** | Solid | 04/23/25 13:50 | 04/24/25 08:50 |
| **10732183009** | **Trip Blank** | Solid | 04/23/25 00:00 | 04/24/25 08:50 |
| **10732183010** | **P-2** | Water | 04/23/25 10:18 | 04/24/25 08:50 |
| **10732183011** | **P-3** | Water | 04/23/25 11:15 | 04/24/25 08:50 |
| **10732183012** | **P-4** | Water | 04/23/25 11:55 | 04/24/25 08:50 |
| **10732183013** | **P-5** | Water | 04/23/25 12:40 | 04/24/25 08:50 |
| **10732183014** | **P-6** | Water | 04/23/25 13:35 | 04/24/25 08:50 |
| **10732183015** | **Trip Blank** | Water | 04/23/25 00:00 | 04/24/25 08:50 |



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

## SAMPLE ANALYTE COUNT

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **10732183001** | **P-1 (2-4)** | OA2 | EP | 3 | PASI-K |
| | | OA1 | DWR | 8 | PAN |
| | | ASTM D2974 | JDL | 1 | PASI-M |
| | | EPA 8260D | ZB | 72 | PASI-M |
| **10732183002** | **P-1 (6-7)** | OA2 | EP | 3 | PASI-K |
| | | OA1 | DWR | 8 | PAN |
| | | ASTM D2974 | JDL | 1 | PASI-M |
| | | EPA 8260D | ZB | 72 | PASI-M |
| **10732183003** | **P-2 (8-10)** | OA2 | EP | 3 | PASI-K |
| | | OA1 | CDD | 8 | PAN |
| | | ASTM D2974 | JDL | 1 | PASI-M |
| | | EPA 8260D | ZB | 72 | PASI-M |
| **10732183004** | **P-2 (10-12)** | OA2 | EP | 3 | PASI-K |
| | | OA1 | DWR | 8 | PAN |
| | | ASTM D2974 | JDL | 1 | PASI-M |
| | | EPA 8260D | ZB | 72 | PASI-M |
| **10732183005** | **P-3 (2-4)** | OA2 | EP | 3 | PASI-K |
| | | OA1 | DWR | 8 | PAN |
| | | ASTM D2974 | JDL | 1 | PASI-M |
| | | EPA 8260D | ZB | 72 | PASI-M |
| **10732183006** | **P-4 (2-4)** | OA2 | EP | 3 | PASI-K |
| | | OA1 | DWR | 8 | PAN |
| | | ASTM D2974 | JDL | 1 | PASI-M |
| | | EPA 8260D | ZB | 72 | PASI-M |
| **10732183007** | **P-5 (2-4)** | OA2 | EP | 3 | PASI-K |
| | | OA1 | DWR | 8 | PAN |
| | | ASTM D2974 | JDL | 1 | PASI-M |
| | | EPA 8260D | ZB | 72 | PASI-M |
| **10732183008** | **P-6 (6-8)** | OA2 | EP | 3 | PASI-K |
| | | OA1 | DWR | 8 | PAN |
| | | ASTM D2974 | JDL | 1 | PASI-M |
| | | EPA 8260D | ZB | 72 | PASI-M |
| **10732183009** | **Trip Blank** | EPA 8260D | ZB | 72 | PASI-M |
| **10732183010** | **P-2** | OA2 | JDS | 3 | PASI-K |
| | | OA1 | CDD | 8 | PAN |
| | | EPA 8260D | JEM | 72 | PASI-M |
| **10732183011** | **P-3** | OA2 | EP | 3 | PASI-K |

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE ANALYTE COUNT

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| | | OA1 | NCD | 8 | PAN |
| | | EPA 8260D | JEM | 72 | PASI-M |
| **10732183012** | **P-4** | OA2 | EP | 3 | PASI-K |
| | | OA1 | NCD | 8 | PAN |
| | | EPA 8260D | JEM | 72 | PASI-M |
| **10732183013** | **P-5** | OA2 | EP | 3 | PASI-K |
| | | OA1 | NCD | 8 | PAN |
| | | EPA 8260D | JEM | 72 | PASI-M |
| **10732183014** | **P-6** | OA2 | EP | 3 | PASI-K |
| | | OA1 | NCD | 8 | PAN |
| | | EPA 8260D | JEM | 72 | PASI-M |
| **10732183015** | **Trip Blank** | EPA 8260D | DYW | 73 | PAN |
| | | EPA 8260D | PAB | 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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Minneapolis, MN 55414
(612)607-1700

# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-1 (2-4)** **Lab ID: 10732183001** Collected: 04/23/25 09:50 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<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | ND | mg/kg | 19.6 | 1 | 04/28/25 14:48 | 04/29/25 18:35 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 69 | % | 10-154 | 1 | 04/28/25 14:48 | 04/29/25 18:35 | 646-31-1 | |
| p-Terphenyl (S) | 81 | % | 55-128 | 1 | 04/28/25 14:48 | 04/29/25 18:35 | 92-94-4 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | mg/kg | 0.0184 | 25 | 04/23/25 09:50 | 05/01/25 16:58 | 71-43-2 | |
| Ethylbenzene | ND | mg/kg | 0.0184 | 25 | 04/23/25 09:50 | 05/01/25 16:58 | 100-41-4 | |
| Gasoline Range Organics | ND | mg/kg | 3.68 | 25 | 04/23/25 09:50 | 05/01/25 16:58 | | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.184 | 25 | 04/23/25 09:50 | 05/01/25 16:58 | 1634-04-4 | |
| Toluene | ND | mg/kg | 0.184 | 25 | 04/23/25 09:50 | 05/01/25 16:58 | 108-88-3 | |
| Xylene (Total) | ND | mg/kg | 0.0553 | 25 | 04/23/25 09:50 | 05/01/25 16:58 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 97.7 | % | 77.0-120 | 25 | 04/23/25 09:50 | 05/01/25 16:58 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 101 | % | 72.0-128 | 25 | 04/23/25 09:50 | 05/01/25 16:58 | 98-08-8PID | |
| **Dry Weight / %M by ASTM D2974** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Percent Moisture | **16.1** | % | 0.10 | 1 | | 04/30/25 14:42 | | N2 |
| **8260D MSV 5030 Med Level** | Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 1190 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 107-05-1 | |
| Benzene | ND | ug/kg | 23.8 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-27-4 | |
| Bromoform | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-25-2 | |
| Bromomethane | ND | ug/kg | 595 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 297 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 595 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-00-3 | |
| Chloroform | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 595 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 106-93-4 | |

## REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-1 (2-4)** **Lab ID: 10732183001** Collected: 04/23/25 09:50 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Dibromomethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 595 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 297 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 297 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 103-65-1 | |
| Styrene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 79-34-5 | |
| Tetrachloroethene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 2380 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 109-99-9 | |
| Toluene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 238 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 23.8 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 178 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 1330-20-7 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-1 (2-4)** **Lab ID: 10732183001** Collected: 04/23/25 09:50 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| m&p-Xylene | ND | ug/kg | 119 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 59.5 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 101 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 98 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 01:55 | 2199-69-1 | |

**Sample: P-1 (6-7)** **Lab ID: 10732183002** Collected: 04/23/25 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<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | ND | mg/kg | 9.7 | 1 | 04/28/25 14:48 | 04/29/25 18:59 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 73 | % | 10-154 | 1 | 04/28/25 14:48 | 04/29/25 18:59 | 646-31-1 | |
| p-Terphenyl (S) | 85 | % | 55-128 | 1 | 04/28/25 14:48 | 04/29/25 18:59 | 92-94-4 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | mg/kg | 0.0135 | 25 | 04/23/25 10:00 | 05/01/25 17:20 | 71-43-2 | |
| Ethylbenzene | ND | mg/kg | 0.0135 | 25 | 04/23/25 10:00 | 05/01/25 17:20 | 100-41-4 | |
| Gasoline Range Organics | ND | mg/kg | 2.70 | 25 | 04/23/25 10:00 | 05/01/25 17:20 | | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.135 | 25 | 04/23/25 10:00 | 05/01/25 17:20 | 1634-04-4 | |
| Toluene | ND | mg/kg | 0.135 | 25 | 04/23/25 10:00 | 05/01/25 17:20 | 108-88-3 | |
| Xylene (Total) | ND | mg/kg | 0.0405 | 25 | 04/23/25 10:00 | 05/01/25 17:20 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 98.3 | % | 77.0-120 | 25 | 04/23/25 10:00 | 05/01/25 17:20 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 102 | % | 72.0-128 | 25 | 04/23/25 10:00 | 05/01/25 17:20 | 98-08-8PID | |
| **Dry Weight / %M by ASTM D2974** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Percent Moisture | **3.6** | % | 0.10 | 1 | | 04/30/25 14:42 | | N2 |
| **8260D MSV 5030 Med Level** | Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 785 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 107-05-1 | |
| Benzene | ND | ug/kg | 15.7 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-27-4 | |
| Bromoform | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-25-2 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-1 (6-7)** **Lab ID: 10732183002** Collected: 04/23/25 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Bromomethane | ND | ug/kg | 393 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 196 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 393 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-00-3 | |
| Chloroform | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 393 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 106-93-4 | |
| Dibromomethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 393 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 196 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 196 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 103-65-1 | |
| Styrene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 79-34-5 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-1 (6-7)** **Lab ID: 10732183002** Collected: 04/23/25 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Tetrachloroethene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 1570 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 109-99-9 | |
| Toluene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 157 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 15.7 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 118 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 1330-20-7 | |
| m&p-Xylene | ND | ug/kg | 78.5 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 39.3 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 102 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 04:57 | 2199-69-1 | |

**Sample: P-2 (8-10)** **Lab ID: 10732183003** Collected: 04/23/25 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 |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | **207** | mg/kg | 19.2 | 1 | 04/28/25 14:48 | 04/29/25 19:08 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 72 | % | 10-154 | 1 | 04/28/25 14:48 | 04/29/25 19:08 | 646-31-1 | |
| p-Terphenyl (S) | 83 | % | 55-128 | 1 | 04/28/25 14:48 | 04/29/25 19:08 | 92-94-4 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | mg/kg | 0.0404 | 50 | 04/23/25 11:45 | 05/05/25 22:51 | 71-43-2 | |
| Ethylbenzene | ND | mg/kg | 0.0404 | 50 | 04/23/25 11:45 | 05/05/25 22:51 | 100-41-4 | |
| Gasoline Range Organics | **171** | mg/kg | 8.08 | 50 | 04/23/25 11:45 | 05/05/25 22:51 | | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.404 | 50 | 04/23/25 11:45 | 05/05/25 22:51 | 1634-04-4 | |
| Toluene | ND | mg/kg | 0.404 | 50 | 04/23/25 11:45 | 05/05/25 22:51 | 108-88-3 | |
| Xylene (Total) | **0.464** | mg/kg | 0.121 | 50 | 04/23/25 11:45 | 05/05/25 22:51 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 100 | % | 77.0-120 | 50 | 04/23/25 11:45 | 05/05/25 22:51 | 98-08-8FID | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-2 (8-10)** **Lab ID: 10732183003** Collected: 04/23/25 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 |
|---|---|---|---|---|---|---|---|---|
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (PID) | 107 | % | 72.0-128 | 50 | 04/23/25 11:45 | 05/05/25 22:51 | 98-08-8PID | |
| **Dry Weight / %M by ASTM D2974** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Percent Moisture | **18.3** | % | 0.10 | 1 | | 04/30/25 14:42 | | N2 |
| **8260D MSV 5030 Med Level** | Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 883 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 107-05-1 | |
| Benzene | ND | ug/kg | 17.7 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-27-4 | |
| Bromoform | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-25-2 | |
| Bromomethane | ND | ug/kg | 442 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 221 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 104-51-8 | |
| sec-Butylbenzene | **131** | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 442 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-00-3 | |
| Chloroform | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 442 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 106-93-4 | |
| Dibromomethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 442 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 594-20-7 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-2 (8-10)** **Lab ID: 10732183003** Collected: 04/23/25 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| 1,1-Dichloropropene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 221 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 221 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 103-65-1 | |
| Styrene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 79-34-5 | |
| Tetrachloroethene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 1770 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 109-99-9 | |
| Toluene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 177 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 17.7 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 133 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 1330-20-7 | |
| m&p-Xylene | ND | ug/kg | 88.3 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 44.2 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 102 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 04:41 | 2199-69-1 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-2 (10-12)** **Lab ID: 10732183004** Collected: 04/23/25 12:45 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 |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | **45.2** | mg/kg | 9.9 | 1 | 04/28/25 14:48 | 04/29/25 19:16 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 71 | % | 10-154 | 1 | 04/28/25 14:48 | 04/29/25 19:16 | 646-31-1 | |
| p-Terphenyl (S) | 80 | % | 55-128 | 1 | 04/28/25 14:48 | 04/29/25 19:16 | 92-94-4 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | mg/kg | 0.0178 | 25 | 04/23/25 12:45 | 05/01/25 17:43 | 71-43-2 | |
| Ethylbenzene | ND | mg/kg | 0.0178 | 25 | 04/23/25 12:45 | 05/01/25 17:43 | 100-41-4 | |
| Gasoline Range Organics | **5.27** | mg/kg | 3.56 | 25 | 04/23/25 12:45 | 05/01/25 17:43 | | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.178 | 25 | 04/23/25 12:45 | 05/01/25 17:43 | 1634-04-4 | |
| Toluene | ND | mg/kg | 0.178 | 25 | 04/23/25 12:45 | 05/01/25 17:43 | 108-88-3 | |
| Xylene (Total) | ND | mg/kg | 0.0535 | 25 | 04/23/25 12:45 | 05/01/25 17:43 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 97.2 | % | 77.0-120 | 25 | 04/23/25 12:45 | 05/01/25 17:43 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 100 | % | 72.0-128 | 25 | 04/23/25 12:45 | 05/01/25 17:43 | 98-08-8PID | |
| **Dry Weight / %M by ASTM D2974** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Percent Moisture | **15.0** | % | 0.10 | 1 | | 04/30/25 14:42 | | N2 |
| **8260D MSV 5030 Med Level** | Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 1070 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 107-05-1 | |
| Benzene | ND | ug/kg | 21.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-27-4 | |
| Bromoform | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-25-2 | |
| Bromomethane | ND | ug/kg | 533 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 267 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 533 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-00-3 | |
| Chloroform | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 533 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 106-93-4 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-2 (10-12)** **Lab ID: 10732183004** Collected: 04/23/25 12:45 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Dibromomethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 533 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 267 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 267 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 103-65-1 | |
| Styrene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 79-34-5 | |
| Tetrachloroethene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 2130 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 109-99-9 | |
| Toluene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 213 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 21.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 160 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 1330-20-7 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-2 (10-12)** **Lab ID: 10732183004** Collected: 04/23/25 12:45 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| m&p-Xylene | ND | ug/kg | 107 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 53.3 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 101 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:12 | 2199-69-1 | |

**Sample: P-3 (2-4)** **Lab ID: 10732183005** Collected: 04/23/25 11:25 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 |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | ND | mg/kg | 19.3 | 1 | 04/28/25 14:48 | 04/29/25 19:24 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 68 | % | 10-154 | 1 | 04/28/25 14:48 | 04/29/25 19:24 | 646-31-1 | |
| p-Terphenyl (S) | 80 | % | 55-128 | 1 | 04/28/25 14:48 | 04/29/25 19:24 | 92-94-4 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | mg/kg | 0.0181 | 25 | 04/23/25 11:25 | 05/01/25 18:05 | 71-43-2 | |
| Ethylbenzene | ND | mg/kg | 0.0181 | 25 | 04/23/25 11:25 | 05/01/25 18:05 | 100-41-4 | |
| Gasoline Range Organics | **3.75** | mg/kg | 3.62 | 25 | 04/23/25 11:25 | 05/01/25 18:05 | | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.181 | 25 | 04/23/25 11:25 | 05/01/25 18:05 | 1634-04-4 | |
| Toluene | ND | mg/kg | 0.181 | 25 | 04/23/25 11:25 | 05/01/25 18:05 | 108-88-3 | |
| Xylene (Total) | ND | mg/kg | 0.0543 | 25 | 04/23/25 11:25 | 05/01/25 18:05 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 99.6 | % | 77.0-120 | 25 | 04/23/25 11:25 | 05/01/25 18:05 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 104 | % | 72.0-128 | 25 | 04/23/25 11:25 | 05/01/25 18:05 | 98-08-8PID | |
| **Dry Weight / %M by ASTM D2974** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Percent Moisture | **16.3** | % | 0.10 | 1 | | 04/30/25 14:43 | | N2 |
| **8260D MSV 5030 Med Level** | Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 987 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 107-05-1 | |
| Benzene | ND | ug/kg | 19.7 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-27-4 | |
| Bromoform | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-25-2 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-3 (2-4)** **Lab ID: 10732183005** Collected: 04/23/25 11:25 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Bromomethane | ND | ug/kg | 493 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 247 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 493 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-00-3 | |
| Chloroform | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 493 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 106-93-4 | |
| Dibromomethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 493 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 247 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 247 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 103-65-1 | |
| Styrene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 79-34-5 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-3 (2-4)** **Lab ID: 10732183005** Collected: 04/23/25 11:25 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Tetrachloroethene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 1970 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 109-99-9 | |
| Toluene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 19.7 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 148 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 1330-20-7 | |
| m&p-Xylene | ND | ug/kg | 98.7 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 49.3 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 97 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:28 | 2199-69-1 | |

**Sample: P-4 (2-4)** **Lab ID: 10732183006** Collected: 04/23/25 12:20 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<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | **32.4** | mg/kg | 19.0 | 1 | 04/28/25 14:48 | 04/29/25 19:32 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 70 | % | 10-154 | 1 | 04/28/25 14:48 | 04/29/25 19:32 | 646-31-1 | |
| p-Terphenyl (S) | 80 | % | 55-128 | 1 | 04/28/25 14:48 | 04/29/25 19:32 | 92-94-4 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | mg/kg | 0.0195 | 25 | 04/23/25 12:20 | 05/01/25 18:28 | 71-43-2 | |
| Ethylbenzene | ND | mg/kg | 0.0195 | 25 | 04/23/25 12:20 | 05/01/25 18:28 | 100-41-4 | |
| Gasoline Range Organics | ND | mg/kg | 3.91 | 25 | 04/23/25 12:20 | 05/01/25 18:28 | | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.195 | 25 | 04/23/25 12:20 | 05/01/25 18:28 | 1634-04-4 | |
| Toluene | ND | mg/kg | 0.195 | 25 | 04/23/25 12:20 | 05/01/25 18:28 | 108-88-3 | |
| Xylene (Total) | ND | mg/kg | 0.0586 | 25 | 04/23/25 12:20 | 05/01/25 18:28 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 97.8 | % | 77.0-120 | 25 | 04/23/25 12:20 | 05/01/25 18:28 | 98-08-8FID | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-4 (2-4)** **Lab ID: 10732183006** Collected: 04/23/25 12:20 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<br>Pace National - Mt. Juliet | | | | | | | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (PID) | 101 | % | 72.0-128 | 25 | 04/23/25 12:20 | 05/01/25 18:28 | 98-08-8PID | |
| **Dry Weight / %M by ASTM D2974** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Percent Moisture | **19.0** | % | 0.10 | 1 | | 04/30/25 14:43 | | N2 |
| **8260D MSV 5030 Med Level** | Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 1270 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 107-05-1 | |
| Benzene | ND | ug/kg | 25.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-27-4 | |
| Bromoform | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-25-2 | |
| Bromomethane | ND | ug/kg | 634 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 317 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 634 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-00-3 | |
| Chloroform | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 634 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 106-93-4 | |
| Dibromomethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 634 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 594-20-7 | |

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

## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-4 (2-4)** **Lab ID: 10732183006** Collected: 04/23/25 12:20 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| 1,1-Dichloropropene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 317 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 317 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 103-65-1 | |
| Styrene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 79-34-5 | |
| Tetrachloroethene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 2540 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 109-99-9 | |
| Toluene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 254 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 25.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 190 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 1330-20-7 | |
| m&p-Xylene | ND | ug/kg | 127 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 63.4 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 101 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 99 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 02:45 | 2199-69-1 | |

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Minneapolis, MN 55414
(612)607-1700

# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-5 (2-4)** **Lab ID: 10732183007** Collected: 04/23/25 13:15 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<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | ND | mg/kg | 19.0 | 1 | 04/28/25 14:48 | 04/29/25 19:40 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 66 | % | 10-154 | 1 | 04/28/25 14:48 | 04/29/25 19:40 | 646-31-1 | |
| p-Terphenyl (S) | 76 | % | 55-128 | 1 | 04/28/25 14:48 | 04/29/25 19:40 | 92-94-4 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | mg/kg | 0.0197 | 25 | 04/23/25 03:15 | 05/01/25 18:50 | 71-43-2 | |
| Ethylbenzene | ND | mg/kg | 0.0197 | 25 | 04/23/25 03:15 | 05/01/25 18:50 | 100-41-4 | |
| Gasoline Range Organics | ND | mg/kg | 3.95 | 25 | 04/23/25 03:15 | 05/01/25 18:50 | | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.197 | 25 | 04/23/25 03:15 | 05/01/25 18:50 | 1634-04-4 | |
| Toluene | ND | mg/kg | 0.197 | 25 | 04/23/25 03:15 | 05/01/25 18:50 | 108-88-3 | |
| Xylene (Total) | ND | mg/kg | 0.0592 | 25 | 04/23/25 03:15 | 05/01/25 18:50 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 98.9 | % | 77.0-120 | 25 | 04/23/25 03:15 | 05/01/25 18:50 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 102 | % | 72.0-128 | 25 | 04/23/25 03:15 | 05/01/25 18:50 | 98-08-8PID | |
| **Dry Weight / %M by ASTM D2974** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Percent Moisture | **17.7** | % | 0.10 | 1 | | 04/30/25 14:43 | | N2 |
| **8260D MSV 5030 Med Level** | Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 984 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 107-05-1 | |
| Benzene | ND | ug/kg | 19.7 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-27-4 | |
| Bromoform | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-25-2 | |
| Bromomethane | ND | ug/kg | 492 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 246 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 492 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-00-3 | |
| Chloroform | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 492 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 106-93-4 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-5 (2-4)** **Lab ID: 10732183007** Collected: 04/23/25 13:15 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Dibromomethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 492 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 246 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 246 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 103-65-1 | |
| Styrene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 79-34-5 | |
| Tetrachloroethene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 1970 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 109-99-9 | |
| Toluene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 197 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 19.7 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 148 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 1330-20-7 | |

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(612)607-1700

# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-5 (2-4)** **Lab ID: 10732183007** Collected: 04/23/25 13:15 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| m&p-Xylene | ND | ug/kg | 98.4 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 49.2 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 101 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 99 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 98 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 05:14 | 2199-69-1 | |

**Sample: P-6 (6-8)** **Lab ID: 10732183008** Collected: 04/23/25 13:50 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<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | ND | mg/kg | 9.7 | 1 | 04/28/25 14:48 | 04/29/25 19:48 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 75 | % | 10-154 | 1 | 04/28/25 14:48 | 04/29/25 19:48 | 646-31-1 | |
| p-Terphenyl (S) | 87 | % | 55-128 | 1 | 04/28/25 14:48 | 04/29/25 19:48 | 92-94-4 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | mg/kg | 0.0147 | 25 | 04/23/25 13:50 | 05/01/25 19:12 | 71-43-2 | |
| Ethylbenzene | ND | mg/kg | 0.0147 | 25 | 04/23/25 13:50 | 05/01/25 19:12 | 100-41-4 | |
| Gasoline Range Organics | ND | mg/kg | 2.93 | 25 | 04/23/25 13:50 | 05/01/25 19:12 | | |
| Methyl-tert-butyl ether | ND | mg/kg | 0.147 | 25 | 04/23/25 13:50 | 05/01/25 19:12 | 1634-04-4 | |
| Toluene | ND | mg/kg | 0.147 | 25 | 04/23/25 13:50 | 05/01/25 19:12 | 108-88-3 | |
| Xylene (Total) | ND | mg/kg | 0.0440 | 25 | 04/23/25 13:50 | 05/01/25 19:12 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 98.7 | % | 77.0-120 | 25 | 04/23/25 13:50 | 05/01/25 19:12 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 103 | % | 72.0-128 | 25 | 04/23/25 13:50 | 05/01/25 19:12 | 98-08-8PID | |
| **Dry Weight / %M by ASTM D2974** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Percent Moisture | **7.2** | % | 0.10 | 1 | | 04/30/25 14:43 | | N2 |
| **8260D MSV 5030 Med Level** | Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 849 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 107-05-1 | |
| Benzene | ND | ug/kg | 17.0 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-27-4 | |
| Bromoform | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-25-2 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-6 (6-8)** **Lab ID: 10732183008** Collected: 04/23/25 13:50 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Bromomethane | ND | ug/kg | 425 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 212 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 425 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-00-3 | |
| Chloroform | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 425 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 106-93-4 | |
| Dibromomethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 425 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 212 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 212 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 103-65-1 | |
| Styrene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 79-34-5 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-6 (6-8)** **Lab ID: 10732183008** Collected: 04/23/25 13:50 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Tetrachloroethene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 1700 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 109-99-9 | |
| Toluene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 170 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 17.0 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 127 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 1330-20-7 | |
| m&p-Xylene | ND | ug/kg | 84.9 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 42.5 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 101 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 03:01 | 2199-69-1 | |

**Sample: Trip Blank** **Lab ID: 10732183009** Collected: 04/23/25 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/kg | 1000 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 67-64-1 | |
| Allyl chloride | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 107-05-1 | |
| Benzene | ND | ug/kg | 20.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 71-43-2 | |
| Bromobenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 108-86-1 | |
| Bromochloromethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 74-97-5 | |
| Bromodichloromethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-27-4 | |
| Bromoform | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-25-2 | |
| Bromomethane | ND | ug/kg | 500 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/kg | 250 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 78-93-3 | |
| n-Butylbenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 56-23-5 | |
| Chlorobenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 108-90-7 | |
| Chloroethane | ND | ug/kg | 500 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-00-3 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: Trip Blank** **Lab ID: 10732183009** Collected: 04/23/25 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Chloroform | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 67-66-3 | |
| Chloromethane | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/kg | 500 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 96-12-8 | |
| Dibromochloromethane | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 106-93-4 | |
| Dibromomethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/kg | 500 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 60-29-7 | |
| Ethylbenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/kg | 250 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 99-87-6 | |
| Methylene Chloride | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/kg | 250 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 1634-04-4 | |
| Naphthalene | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 91-20-3 | |
| n-Propylbenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 103-65-1 | |
| Styrene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 79-34-5 | |
| Tetrachloroethene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/kg | 2000 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 109-99-9 | |
| Toluene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 79-00-5 | |
| Trichloroethene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 79-01-6 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: Trip Blank** **Lab ID: 10732183009** Collected: 04/23/25 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<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Trichlorofluoromethane | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/kg | 200 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 108-67-8 | |
| Vinyl chloride | ND | ug/kg | 20.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 75-01-4 | |
| Xylene (Total) | ND | ug/kg | 150 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 1330-20-7 | |
| m&p-Xylene | ND | ug/kg | 100 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 179601-23-1 | |
| o-Xylene | ND | ug/kg | 50.0 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | %. | 75-125 | 1 | 04/25/25 12:57 | 04/26/25 00:00 | 2199-69-1 | |

**Sample: P-2** **Lab ID: 10732183010** Collected: 04/23/25 10:18 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: OA2<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | **57.1** | mg/L | 4.4 | 10 | 04/30/25 08:50 | 05/02/25 20:27 | | |
| ***Surrogates*** | | | | | | | | |
| p-Terphenyl (S) | 0 | % | 30-115 | 10 | 04/30/25 08:50 | 05/02/25 20:27 | 92-94-4 | S4 |
| n-Tetracosane (S) | 0 | % | 30-110 | 10 | 04/30/25 08:50 | 05/02/25 20:27 | 646-31-1 | S4 |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | ug/L | 2.50 | 5 | 05/07/25 11:58 | 05/07/25 11:58 | 71-43-2 | G3,pH |
| Ethylbenzene | ND | ug/L | 2.50 | 5 | 05/07/25 11:58 | 05/07/25 11:58 | 100-41-4 | G3,pH |
| Gasoline Range Organics | ND | ug/L | 500 | 5 | 05/07/25 11:58 | 05/07/25 11:58 | | G3,pH |
| Methyl-tert-butyl ether | ND | ug/L | 25.0 | 5 | 05/07/25 11:58 | 05/07/25 11:58 | 1634-04-4 | G3,pH |
| Toluene | ND | ug/L | 5.00 | 5 | 05/07/25 11:58 | 05/07/25 11:58 | 108-88-3 | G3,pH |
| Xylene (Total) | ND | ug/L | 7.50 | 5 | 05/07/25 11:58 | 05/07/25 11:58 | 1330-20-7 | G3,pH |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 97.0 | % | 78.0-120 | 5 | 05/07/25 11:58 | 05/07/25 11:58 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 101 | % | 79.0-125 | 5 | 05/07/25 11:58 | 05/07/25 11:58 | 98-08-8PID | |
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 04/29/25 16:56 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 2.5 | 1 | | 04/29/25 16:56 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 74-97-5 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-2** **Lab ID: 10732183010** Collected: 04/23/25 10:18 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-25-2 | |
| Bromomethane | ND | ug/L | 2.5 | 1 | | 04/29/25 16:56 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 04/29/25 16:56 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 104-51-8 | |
| sec-Butylbenzene | **5.8** | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 16:56 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 2.5 | 1 | | 04/29/25 16:56 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 04/29/25 16:56 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 630-20-6 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-2** **Lab ID: 10732183010** Collected: 04/23/25 10:18 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D | | | | | | | |
| | Pace Analytical Services - Minneapolis | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 04/29/25 16:56 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 16:56 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 04/29/25 16:56 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 04/29/25 16:56 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 04/29/25 16:56 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | %. | 75-125 | 1 | | 04/29/25 16:56 | 2199-69-1 | HS |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | | 04/29/25 16:56 | 460-00-4 | |
| Toluene-d8 (S) | 109 | %. | 75-125 | 1 | | 04/29/25 16:56 | 2037-26-5 | |

**Sample: P-3** **Lab ID: 10732183011** Collected: 04/23/25 11:15 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: OA2 | | | | | | | |
| | Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | **1.6** | mg/L | 0.36 | 1 | 04/30/25 08:50 | 04/30/25 19:25 | | |
| ***Surrogates*** | | | | | | | | |
| p-Terphenyl (S) | 77 | % | 30-115 | 1 | 04/30/25 08:50 | 04/30/25 19:25 | 92-94-4 | |
| n-Tetracosane (S) | 75 | % | 30-110 | 1 | 04/30/25 08:50 | 04/30/25 19:25 | 646-31-1 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1 | | | | | | | |
| | Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | ug/L | 0.500 | 1 | 05/05/25 11:18 | 05/05/25 11:18 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 0.500 | 1 | 05/05/25 11:18 | 05/05/25 11:18 | 100-41-4 | |
| Gasoline Range Organics | ND | ug/L | 100 | 1 | 05/05/25 11:18 | 05/05/25 11:18 | | |
| Methyl-tert-butyl ether | ND | ug/L | 5.00 | 1 | 05/05/25 11:18 | 05/05/25 11:18 | 1634-04-4 | L0 |
| Toluene | ND | ug/L | 1.00 | 1 | 05/05/25 11:18 | 05/05/25 11:18 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 1.50 | 1 | 05/05/25 11:18 | 05/05/25 11:18 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 100 | % | 78.0-120 | 1 | 05/05/25 11:18 | 05/05/25 11:18 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 105 | % | 79.0-125 | 1 | 05/05/25 11:18 | 05/05/25 11:18 | 98-08-8PID | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-3** **Lab ID: 10732183011** Collected: 04/23/25 11:15 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 04/29/25 17:10 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 2.5 | 1 | | 04/29/25 17:10 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-25-2 | |
| Bromomethane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:10 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 04/29/25 17:10 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:10 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 2.5 | 1 | | 04/29/25 17:10 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 04/29/25 17:10 | 108-10-1 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-3** **Lab ID: 10732183011** Collected: 04/23/25 11:15 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 04/29/25 17:10 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:10 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 04/29/25 17:10 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 04/29/25 17:10 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:10 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | %. | 75-125 | 1 | | 04/29/25 17:10 | 2199-69-1 | |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 04/29/25 17:10 | 460-00-4 | |
| Toluene-d8 (S) | 104 | %. | 75-125 | 1 | | 04/29/25 17:10 | 2037-26-5 | |

**Sample: P-4** **Lab ID: 10732183012** Collected: 04/23/25 11:55 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: OA2<br>Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | **1.5** | mg/L | 0.38 | 1 | 04/30/25 08:50 | 04/30/25 19:33 | | |
| ***Surrogates*** | | | | | | | | |
| p-Terphenyl (S) | 52 | % | 30-115 | 1 | 04/30/25 08:50 | 04/30/25 19:33 | 92-94-4 | |
| n-Tetracosane (S) | 47 | % | 30-110 | 1 | 04/30/25 08:50 | 04/30/25 19:33 | 646-31-1 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1<br>Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | ug/L | 0.500 | 1 | 05/05/25 11:40 | 05/05/25 11:40 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 0.500 | 1 | 05/05/25 11:40 | 05/05/25 11:40 | 100-41-4 | |
| Gasoline Range Organics | ND | ug/L | 100 | 1 | 05/05/25 11:40 | 05/05/25 11:40 | | |
| Methyl-tert-butyl ether | ND | ug/L | 5.00 | 1 | 05/05/25 11:40 | 05/05/25 11:40 | 1634-04-4 | L0 |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-4** **Lab ID: 10732183012** Collected: 04/23/25 11:55 Received: 04/24/25 08:50 Matrix: Water

| 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 | | | | | | | |
| Toluene | ND | ug/L | 1.00 | 1 | 05/05/25 11:40 | 05/05/25 11:40 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 1.50 | 1 | 05/05/25 11:40 | 05/05/25 11:40 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 100 | % | 78.0-120 | 1 | 05/05/25 11:40 | 05/05/25 11:40 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 105 | % | 79.0-125 | 1 | 05/05/25 11:40 | 05/05/25 11:40 | 98-08-8PID | |
| **8260D VOC** | Analytical Method: EPA 8260D | | | | | | | |
| | Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 04/29/25 17:24 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 2.5 | 1 | | 04/29/25 17:24 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-25-2 | |
| Bromomethane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:24 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 04/29/25 17:24 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:24 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 10061-01-5 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-4** **Lab ID: 10732183012** Collected: 04/23/25 11:55 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D | | | | | | | |
| | Pace Analytical Services - Minneapolis | | | | | | | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 2.5 | 1 | | 04/29/25 17:24 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 04/29/25 17:24 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 04/29/25 17:24 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:24 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 04/29/25 17:24 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 04/29/25 17:24 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:24 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | %. | 75-125 | 1 | | 04/29/25 17:24 | 2199-69-1 | HS |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 04/29/25 17:24 | 460-00-4 | |
| Toluene-d8 (S) | 105 | %. | 75-125 | 1 | | 04/29/25 17:24 | 2037-26-5 | |

**Sample: P-5** **Lab ID: 10732183013** Collected: 04/23/25 12:40 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: OA2 | | | | | | | |
| | Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | **0.59** | mg/L | 0.38 | 1 | 04/30/25 08:50 | 04/30/25 19:41 | | |
| ***Surrogates*** | | | | | | | | |
| p-Terphenyl (S) | 58 | % | 30-115 | 1 | 04/30/25 08:50 | 04/30/25 19:41 | 92-94-4 | |

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# ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-5** **Lab ID: 10732183013** Collected: 04/23/25 12:40 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: OA2 | | | | | | | |
| | Pace Analytical Services - Kansas City | | | | | | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 50 | % | 30-110 | 1 | 04/30/25 08:50 | 04/30/25 19:41 | 646-31-1 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1 | | | | | | | |
| | Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | ug/L | 0.500 | 1 | 05/05/25 12:03 | 05/05/25 12:03 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 0.500 | 1 | 05/05/25 12:03 | 05/05/25 12:03 | 100-41-4 | |
| Gasoline Range Organics | ND | ug/L | 100 | 1 | 05/05/25 12:03 | 05/05/25 12:03 | | |
| Methyl-tert-butyl ether | ND | ug/L | 5.00 | 1 | 05/05/25 12:03 | 05/05/25 12:03 | 1634-04-4 | L0 |
| Toluene | ND | ug/L | 1.00 | 1 | 05/05/25 12:03 | 05/05/25 12:03 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 1.50 | 1 | 05/05/25 12:03 | 05/05/25 12:03 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 100 | % | 78.0-120 | 1 | 05/05/25 12:03 | 05/05/25 12:03 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 106 | % | 79.0-125 | 1 | 05/05/25 12:03 | 05/05/25 12:03 | 98-08-8PID | |
| **8260D VOC** | Analytical Method: EPA 8260D | | | | | | | |
| | Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 04/29/25 17:38 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 2.5 | 1 | | 04/29/25 17:38 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-25-2 | |
| Bromomethane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:38 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 04/29/25 17:38 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:38 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 107-06-2 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-5** **Lab ID: 10732183013** Collected: 04/23/25 12:40 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 2.5 | 1 | | 04/29/25 17:38 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 04/29/25 17:38 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 04/29/25 17:38 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:38 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 04/29/25 17:38 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 04/29/25 17:38 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:38 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | %. | 75-125 | 1 | | 04/29/25 17:38 | 2199-69-1 | HS |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | | 04/29/25 17:38 | 460-00-4 | |
| Toluene-d8 (S) | 104 | %. | 75-125 | 1 | | 04/29/25 17:38 | 2037-26-5 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-6** **Lab ID: 10732183014** Collected: 04/23/25 13:35 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **OA2 GCS** | Analytical Method: OA2 Preparation Method: OA2 | | | | | | | |
| | Pace Analytical Services - Kansas City | | | | | | | |
| Total Petroleum Hydrocarbons | ND | mg/L | 0.38 | 1 | 04/30/25 08:50 | 04/30/25 19:50 | | |
| ***Surrogates*** | | | | | | | | |
| p-Terphenyl (S) | 67 | % | 30-115 | 1 | 04/30/25 08:50 | 04/30/25 19:50 | 92-94-4 | |
| n-Tetracosane (S) | 57 | % | 30-110 | 1 | 04/30/25 08:50 | 04/30/25 19:50 | 646-31-1 | |
| **VOA (GC) 8021/OA1** | Analytical Method: OA1 Preparation Method: 8021/OA1 | | | | | | | |
| | Pace National - Mt. Juliet | | | | | | | |
| Benzene | ND | ug/L | 0.500 | 1 | 05/05/25 12:25 | 05/05/25 12:25 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 0.500 | 1 | 05/05/25 12:25 | 05/05/25 12:25 | 100-41-4 | |
| Gasoline Range Organics | ND | ug/L | 100 | 1 | 05/05/25 12:25 | 05/05/25 12:25 | | |
| Methyl-tert-butyl ether | ND | ug/L | 5.00 | 1 | 05/05/25 12:25 | 05/05/25 12:25 | 1634-04-4 | L0 |
| Toluene | ND | ug/L | 1.00 | 1 | 05/05/25 12:25 | 05/05/25 12:25 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 1.50 | 1 | 05/05/25 12:25 | 05/05/25 12:25 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 100 | % | 78.0-120 | 1 | 05/05/25 12:25 | 05/05/25 12:25 | 98-08-8FID | |
| a,a,a-Trifluorotoluene (PID) | 105 | % | 79.0-125 | 1 | 05/05/25 12:25 | 05/05/25 12:25 | 98-08-8PID | |
| **8260D VOC** | Analytical Method: EPA 8260D | | | | | | | |
| | Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 04/29/25 17:52 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 2.5 | 1 | | 04/29/25 17:52 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-25-2 | |
| Bromomethane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:52 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 04/29/25 17:52 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:52 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-71-8 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: P-6** **Lab ID: 10732183014** Collected: 04/23/25 13:35 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 2.5 | 1 | | 04/29/25 17:52 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 04/29/25 17:52 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 04/29/25 17:52 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 2.5 | 1 | | 04/29/25 17:52 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 04/29/25 17:52 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 04/29/25 17:52 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 04/29/25 17:52 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | %. | 75-125 | 1 | | 04/29/25 17:52 | 2199-69-1 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | | 04/29/25 17:52 | 460-00-4 | |
| Toluene-d8 (S) | 106 | %. | 75-125 | 1 | | 04/29/25 17:52 | 2037-26-5 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: Trip Blank** **Lab ID: 10732183015** Collected: 04/23/25 00:00 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **VOA (GC/MS) 8260D** | Analytical Method: EPA 8260D Preparation Method: 8260D<br>Pace National - Mt. Juliet | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 2.50 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 96-18-4 | L0 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 526-73-8 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 95-50-1 | |
| 1,2-Dichloroethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 107-06-2 | |
| 1,2-Dichloropropane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 108-67-8 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 541-73-1 | |
| 1,3-Dichloropropane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 142-28-9 | L0 |
| 1,4-Dichlorobenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 106-46-7 | |
| 2,2-Dichloropropane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 78-93-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 95-49-8 | L0 |
| 4-Chlorotoluene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 108-10-1 | |
| Acetone | ND | ug/L | 50.0 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 67-64-1 | L0 |
| Allyl chloride | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 107-05-1 | |
| Benzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-25-2 | |
| Bromomethane | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 74-83-9 | |
| Carbon tetrachloride | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 108-90-7 | |
| Chloroethane | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 67-66-3 | |
| Chloromethane | ND | ug/L | 2.50 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 74-87-3 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 10061-01-5 | |
| Dibromochloromethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 124-48-1 | |
| Dibromomethane | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-71-8 | |
| Dichlorofluoromethane | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-43-4 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: Trip Blank** **Lab ID: 10732183015** Collected: 04/23/25 00:00 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **VOA (GC/MS) 8260D** | Analytical Method: EPA 8260D Preparation Method: 8260D<br>Pace National - Mt. Juliet | | | | | | | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 98-82-8 | |
| m&p-Xylene | ND | ug/L | 2.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 179601-23-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-09-2 | |
| n-Butylbenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 104-51-8 | L0 |
| n-Propylbenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 103-65-1 | |
| Naphthalene | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 91-20-3 | |
| o-Xylene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 95-47-6 | |
| p-Isopropyltoluene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 135-98-8 | |
| Styrene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 100-42-5 | |
| tert-Butylbenzene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 98-06-6 | |
| Tetrachloroethene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 109-99-9 | |
| Toluene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 108-88-3 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 10061-02-6 | |
| Trichloroethene | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 5.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-69-4 | |
| Vinyl chloride | ND | ug/L | 1.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.00 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 104 | % | 70.0-130 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 94.8 | % | 77.0-126 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 460-00-4 | |
| Toluene-d8 (S) | 109 | % | 80.0-120 | 1 | 05/06/25 23:50 | 05/06/25 23:50 | 2037-26-5 | |
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Acetone | ND | ug/L | 10.0 | 1 | | 04/25/25 13:53 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 2.5 | 1 | | 04/25/25 13:53 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-27-4 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-25-2 | |
| Bromomethane | ND | ug/L | 2.5 | 1 | | 04/25/25 13:53 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 10.0 | 1 | | 04/25/25 13:53 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-00-3 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: Trip Blank** **Lab ID: 10732183015** Collected: 04/23/25 00:00 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 67-66-3 | |
| Chloromethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 2.5 | 1 | | 04/25/25 13:53 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 2.5 | 1 | | 04/25/25 13:53 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 10.0 | 1 | | 04/25/25 13:53 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 04/25/25 13:53 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-69-4 | |

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## ANALYTICAL RESULTS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

**Sample: Trip Blank** **Lab ID: 10732183015** Collected: 04/23/25 00:00 Received: 04/24/25 08:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260D VOC** | Analytical Method: EPA 8260D<br>Pace Analytical Services - Minneapolis | | | | | | | |
| 1,2,3-Trichloropropane | ND | ug/L | 2.5 | 1 | | 04/25/25 13:53 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 04/25/25 13:53 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 04/25/25 13:53 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 04/25/25 13:53 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | %. | 75-125 | 1 | | 04/25/25 13:53 | 2199-69-1 | |
| 4-Bromofluorobenzene (S) | 105 | %. | 75-125 | 1 | | 04/25/25 13:53 | 460-00-4 | |
| Toluene-d8 (S) | 102 | %. | 75-125 | 1 | | 04/25/25 13:53 | 2037-26-5 | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2507005
QC Batch Method: 8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183011, 10732183012, 10732183013, 10732183014

METHOD BLANK: R4210795-4 Matrix: Water
Associated Lab Samples: 10732183011, 10732183012, 10732183013, 10732183014

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/L | ND | 0.500 | 05/05/25 10:41 | |
| Ethylbenzene | ug/L | ND | 0.500 | 05/05/25 10:41 | |
| Gasoline Range Organics | ug/L | ND | 100 | 05/05/25 10:41 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.00 | 05/05/25 10:41 | |
| Toluene | ug/L | ND | 1.00 | 05/05/25 10:41 | |
| Xylene (Total) | ug/L | ND | 1.50 | 05/05/25 10:41 | |
| a,a,a-Trifluorotoluene (FID) | % | 100 | 78.0-120 | 05/05/25 10:41 | |
| a,a,a-Trifluorotoluene (PID) | % | 106 | 79.0-125 | 05/05/25 10:41 | |

LABORATORY CONTROL SAMPLE & LCSD: R4210795-1 R4210795-5

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 50.0 | 47.3 | 56.8 | 94.6 | 114 | 77.0-122 | 18.3 | 20 | |
| Ethylbenzene | ug/L | 50.0 | 48.6 | 57.3 | 97.2 | 115 | 80.0-123 | 16.4 | 20 | |
| Methyl-tert-butyl ether | ug/L | 50.0 | 52.7 | 63.9 | 105 | 128 | 68.0-122 | 19.2 | 20 | L0 |
| Toluene | ug/L | 50.0 | 47.8 | 57.4 | 95.6 | 115 | 80.0-121 | 18.3 | 20 | |
| Xylene (Total) | ug/L | 150 | 142 | 167 | 94.7 | 111 | 47.0-154 | 16.2 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 99.7 | 100 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 104 | 79.0-125 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4210795-2 R4210795-3

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics | ug/L | 5000 | 5010 | 5150 | 100 | 103 | 72.0-127 | 2.76 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 104 | 103 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 109 | 110 | 79.0-125 | | | |

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

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2507005
QC Batch Method: 8015
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183011, 10732183012, 10732183013, 10732183014

METHOD BLANK: R4210795-4 Matrix: Water
Associated Lab Samples: 10732183011, 10732183012, 10732183013, 10732183014

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/L | ND | 0.500 | 05/05/25 10:41 | |
| Ethylbenzene | ug/L | ND | 0.500 | 05/05/25 10:41 | |
| Gasoline Range Organics | ug/L | ND | 100 | 05/05/25 10:41 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.00 | 05/05/25 10:41 | |
| Toluene | ug/L | ND | 1.00 | 05/05/25 10:41 | |
| Xylene (Total) | ug/L | ND | 1.50 | 05/05/25 10:41 | |
| a,a,a-Trifluorotoluene (FID) | % | 100 | 78.0-120 | 05/05/25 10:41 | |
| a,a,a-Trifluorotoluene (PID) | % | 106 | 79.0-125 | 05/05/25 10:41 | |

LABORATORY CONTROL SAMPLE & LCSD: R4210795-1 R4210795-5

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 50.0 | 47.3 | 56.8 | 94.6 | 114 | 77.0-122 | 18.3 | 20 | |
| Ethylbenzene | ug/L | 50.0 | 48.6 | 57.3 | 97.2 | 115 | 80.0-123 | 16.4 | 20 | |
| Methyl-tert-butyl ether | ug/L | 50.0 | 52.7 | 63.9 | 105 | 128 | 68.0-122 | 19.2 | 20 | L0 |
| Toluene | ug/L | 50.0 | 47.8 | 57.4 | 95.6 | 115 | 80.0-121 | 18.3 | 20 | |
| Xylene (Total) | ug/L | 150 | 142 | 167 | 94.7 | 111 | 47.0-154 | 16.2 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 99.7 | 100 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 104 | 79.0-125 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4210795-2 R4210795-3

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics | ug/L | 5000 | 5010 | 5150 | 100 | 103 | 72.0-127 | 2.76 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 104 | 103 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 109 | 110 | 79.0-125 | | | |

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## REPORT OF LABORATORY ANALYSIS

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(612)607-1700

# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2507005
QC Batch Method: 8015/8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183011, 10732183012, 10732183013, 10732183014

METHOD BLANK: R4210795-4 Matrix: Water
Associated Lab Samples: 10732183011, 10732183012, 10732183013, 10732183014

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/L | ND | 0.500 | 05/05/25 10:41 | |
| Ethylbenzene | ug/L | ND | 0.500 | 05/05/25 10:41 | |
| Gasoline Range Organics | ug/L | ND | 100 | 05/05/25 10:41 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.00 | 05/05/25 10:41 | |
| Toluene | ug/L | ND | 1.00 | 05/05/25 10:41 | |
| Xylene (Total) | ug/L | ND | 1.50 | 05/05/25 10:41 | |
| a,a,a-Trifluorotoluene (FID) | % | 100 | 78.0-120 | 05/05/25 10:41 | |
| a,a,a-Trifluorotoluene (PID) | % | 106 | 79.0-125 | 05/05/25 10:41 | |

LABORATORY CONTROL SAMPLE & LCSD: R4210795-1 R4210795-5

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 50.0 | 47.3 | 56.8 | 94.6 | 114 | 77.0-122 | 18.3 | 20 | |
| Ethylbenzene | ug/L | 50.0 | 48.6 | 57.3 | 97.2 | 115 | 80.0-123 | 16.4 | 20 | |
| Methyl-tert-butyl ether | ug/L | 50.0 | 52.7 | 63.9 | 105 | 128 | 68.0-122 | 19.2 | 20 | L0 |
| Toluene | ug/L | 50.0 | 47.8 | 57.4 | 95.6 | 115 | 80.0-121 | 18.3 | 20 | |
| Xylene (Total) | ug/L | 150 | 142 | 167 | 94.7 | 111 | 47.0-154 | 16.2 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 99.7 | 100 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 104 | 79.0-125 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4210795-2 R4210795-3

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics | ug/L | 5000 | 5010 | 5150 | 100 | 103 | 72.0-127 | 2.76 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 104 | 103 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 109 | 110 | 79.0-125 | | | |

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(612)607-1700

# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2508736
QC Batch Method: 8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183010

METHOD BLANK: R4211613-5 Matrix: Water
Associated Lab Samples: 10732183010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/L | ND | 0.500 | 05/07/25 11:22 | |
| Ethylbenzene | ug/L | ND | 0.500 | 05/07/25 11:22 | |
| Gasoline Range Organics | ug/L | ND | 100 | 05/07/25 11:22 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.00 | 05/07/25 11:22 | |
| Toluene | ug/L | ND | 1.00 | 05/07/25 11:22 | |
| Xylene (Total) | ug/L | ND | 1.50 | 05/07/25 11:22 | |
| a,a,a-Trifluorotoluene (FID) | % | 97.2 | 78.0-120 | 05/07/25 11:22 | |
| a,a,a-Trifluorotoluene (PID) | % | 101 | 79.0-125 | 05/07/25 11:22 | |

LABORATORY CONTROL SAMPLE & LCSD: R4211613-1 R4211613-4

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics | ug/L | 5000 | 4520 | 4540 | 90.4 | 90.8 | 72.0-127 | 0.442 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 103 | 103 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 107 | 107 | 79.0-125 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4211613-2 R4211613-3

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 50.0 | 49.5 | 50.7 | 99.0 | 101 | 77.0-122 | 2.40 | 20 | |
| Ethylbenzene | ug/L | 50.0 | 50.7 | 52.0 | 101 | 104 | 80.0-123 | 2.53 | 20 | |
| Methyl-tert-butyl ether | ug/L | 50.0 | 50.6 | 51.7 | 101 | 103 | 68.0-122 | 2.15 | 20 | |
| Toluene | ug/L | 50.0 | 52.8 | 53.7 | 106 | 107 | 80.0-121 | 1.69 | 20 | |
| Xylene (Total) | ug/L | 150 | 149 | 153 | 99.3 | 102 | 47.0-154 | 2.65 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 98.6 | 97.3 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 99.4 | 99.8 | 79.0-125 | | | |

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(612)607-1700

# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2508736
QC Batch Method: 8015/8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183010

METHOD BLANK: R4211613-5 Matrix: Water
Associated Lab Samples: 10732183010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/L | ND | 0.500 | 05/07/25 11:22 | |
| Ethylbenzene | ug/L | ND | 0.500 | 05/07/25 11:22 | |
| Gasoline Range Organics | ug/L | ND | 100 | 05/07/25 11:22 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.00 | 05/07/25 11:22 | |
| Toluene | ug/L | ND | 1.00 | 05/07/25 11:22 | |
| Xylene (Total) | ug/L | ND | 1.50 | 05/07/25 11:22 | |
| a,a,a-Trifluorotoluene (FID) | % | 97.2 | 78.0-120 | 05/07/25 11:22 | |
| a,a,a-Trifluorotoluene (PID) | % | 101 | 79.0-125 | 05/07/25 11:22 | |

LABORATORY CONTROL SAMPLE & LCSD: R4211613-1 R4211613-4

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics | ug/L | 5000 | 4520 | 4540 | 90.4 | 90.8 | 72.0-127 | 0.442 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 103 | 103 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 107 | 107 | 79.0-125 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4211613-2 R4211613-3

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 50.0 | 49.5 | 50.7 | 99.0 | 101 | 77.0-122 | 2.40 | 20 | |
| Ethylbenzene | ug/L | 50.0 | 50.7 | 52.0 | 101 | 104 | 80.0-123 | 2.53 | 20 | |
| Methyl-tert-butyl ether | ug/L | 50.0 | 50.6 | 51.7 | 101 | 103 | 68.0-122 | 2.15 | 20 | |
| Toluene | ug/L | 50.0 | 52.8 | 53.7 | 106 | 107 | 80.0-121 | 1.69 | 20 | |
| Xylene (Total) | ug/L | 150 | 149 | 153 | 99.3 | 102 | 47.0-154 | 2.65 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 98.6 | 97.3 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 99.4 | 99.8 | 79.0-125 | | | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2508736
QC Batch Method: 8015
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183010

METHOD BLANK: R4211613-5 Matrix: Water
Associated Lab Samples: 10732183010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/L | ND | 0.500 | 05/07/25 11:22 | |
| Ethylbenzene | ug/L | ND | 0.500 | 05/07/25 11:22 | |
| Gasoline Range Organics | ug/L | ND | 100 | 05/07/25 11:22 | |
| Methyl-tert-butyl ether | ug/L | ND | 5.00 | 05/07/25 11:22 | |
| Toluene | ug/L | ND | 1.00 | 05/07/25 11:22 | |
| Xylene (Total) | ug/L | ND | 1.50 | 05/07/25 11:22 | |
| a,a,a-Trifluorotoluene (FID) | % | 97.2 | 78.0-120 | 05/07/25 11:22 | |
| a,a,a-Trifluorotoluene (PID) | % | 101 | 79.0-125 | 05/07/25 11:22 | |

LABORATORY CONTROL SAMPLE & LCSD: R4211613-1 R4211613-4

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics | ug/L | 5000 | 4520 | 4540 | 90.4 | 90.8 | 72.0-127 | 0.442 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 103 | 103 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 107 | 107 | 79.0-125 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4211613-2 R4211613-3

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 50.0 | 49.5 | 50.7 | 99.0 | 101 | 77.0-122 | 2.40 | 20 | |
| Ethylbenzene | ug/L | 50.0 | 50.7 | 52.0 | 101 | 104 | 80.0-123 | 2.53 | 20 | |
| Methyl-tert-butyl ether | ug/L | 50.0 | 50.6 | 51.7 | 101 | 103 | 68.0-122 | 2.15 | 20 | |
| Toluene | ug/L | 50.0 | 52.8 | 53.7 | 106 | 107 | 80.0-121 | 1.69 | 20 | |
| Xylene (Total) | ug/L | 150 | 149 | 153 | 99.3 | 102 | 47.0-154 | 2.65 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 98.6 | 97.3 | 78.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 99.4 | 99.8 | 79.0-125 | | | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2504339
QC Batch Method: 8015/8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183001, 10732183002, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

METHOD BLANK: R4209787-3 Matrix: Solid
Associated Lab Samples: 10732183001, 10732183002, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | mg/kg | ND | 0.0125 | 05/01/25 11:41 | |
| Ethylbenzene | mg/kg | ND | 0.0125 | 05/01/25 11:41 | |
| Gasoline Range Organics | mg/kg | ND | 2.50 | 05/01/25 11:41 | |
| Methyl-tert-butyl ether | mg/kg | ND | 0.125 | 05/01/25 11:41 | |
| Toluene | mg/kg | ND | 0.125 | 05/01/25 11:41 | |
| Xylene (Total) | mg/kg | ND | 0.0375 | 05/01/25 11:41 | |
| a,a,a-Trifluorotoluene (FID) | % | 97.9 | 77.0-120 | 05/01/25 11:41 | |
| a,a,a-Trifluorotoluene (PID) | % | 102 | 72.0-128 | 05/01/25 11:41 | |

LABORATORY CONTROL SAMPLE & LCSD: R4209787-1 R4209787-4

| 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 | 4.86 | 4.55 | 97.2 | 91.0 | 72.0-127 | 6.59 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 102 | 103 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 105 | 72.0-128 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4209787-2 R4209787-5

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | mg/kg | 0.0500 | 0.0575 | 0.0534 | 115 | 107 | 76.0-121 | 7.39 | 20 | |
| Ethylbenzene | mg/kg | 0.0500 | 0.0545 | 0.0486 | 109 | 97.2 | 80.0-124 | 11.4 | 20 | |
| Methyl-tert-butyl ether | mg/kg | 0.0500 | 0.0592 | 0.0573 | 118 | 115 | 71.0-121 | 3.26 | 20 | |
| Toluene | mg/kg | 0.0500 | 0.0519 | 0.0482 | 104 | 96.4 | 80.0-120 | 7.39 | 20 | |
| Xylene (Total) | mg/kg | 0.150 | 0.159 | 0.146 | 106 | 97.3 | 37.0-160 | 8.52 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 97.1 | 97.0 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 101 | 101 | 72.0-128 | | | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2504339
QC Batch Method: 8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183001, 10732183002, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

METHOD BLANK: R4209787-3 Matrix: Solid
Associated Lab Samples: 10732183001, 10732183002, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | mg/kg | ND | 0.0125 | 05/01/25 11:41 | |
| Ethylbenzene | mg/kg | ND | 0.0125 | 05/01/25 11:41 | |
| Gasoline Range Organics | mg/kg | ND | 2.50 | 05/01/25 11:41 | |
| Methyl-tert-butyl ether | mg/kg | ND | 0.125 | 05/01/25 11:41 | |
| Toluene | mg/kg | ND | 0.125 | 05/01/25 11:41 | |
| Xylene (Total) | mg/kg | ND | 0.0375 | 05/01/25 11:41 | |
| a,a,a-Trifluorotoluene (FID) | % | 97.9 | 77.0-120 | 05/01/25 11:41 | |
| a,a,a-Trifluorotoluene (PID) | % | 102 | 72.0-128 | 05/01/25 11:41 | |

LABORATORY CONTROL SAMPLE & LCSD: R4209787-1 R4209787-4

| 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 | 4.86 | 4.55 | 97.2 | 91.0 | 72.0-127 | 6.59 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 102 | 103 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 105 | 72.0-128 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4209787-2 R4209787-5

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | mg/kg | 0.0500 | 0.0575 | 0.0534 | 115 | 107 | 76.0-121 | 7.39 | 20 | |
| Ethylbenzene | mg/kg | 0.0500 | 0.0545 | 0.0486 | 109 | 97.2 | 80.0-124 | 11.4 | 20 | |
| Methyl-tert-butyl ether | mg/kg | 0.0500 | 0.0592 | 0.0573 | 118 | 115 | 71.0-121 | 3.26 | 20 | |
| Toluene | mg/kg | 0.0500 | 0.0519 | 0.0482 | 104 | 96.4 | 80.0-120 | 7.39 | 20 | |
| Xylene (Total) | mg/kg | 0.150 | 0.159 | 0.146 | 106 | 97.3 | 37.0-160 | 8.52 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 97.1 | 97.0 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 101 | 101 | 72.0-128 | | | |

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(612)607-1700

# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2504339
QC Batch Method: 8015
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183001, 10732183002, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

METHOD BLANK: R4209787-3 Matrix: Solid
Associated Lab Samples: 10732183001, 10732183002, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | mg/kg | ND | 0.0125 | 05/01/25 11:41 | |
| Ethylbenzene | mg/kg | ND | 0.0125 | 05/01/25 11:41 | |
| Gasoline Range Organics | mg/kg | ND | 2.50 | 05/01/25 11:41 | |
| Methyl-tert-butyl ether | mg/kg | ND | 0.125 | 05/01/25 11:41 | |
| Toluene | mg/kg | ND | 0.125 | 05/01/25 11:41 | |
| Xylene (Total) | mg/kg | ND | 0.0375 | 05/01/25 11:41 | |
| a,a,a-Trifluorotoluene (FID) | % | 97.9 | 77.0-120 | 05/01/25 11:41 | |
| a,a,a-Trifluorotoluene (PID) | % | 102 | 72.0-128 | 05/01/25 11:41 | |

LABORATORY CONTROL SAMPLE & LCSD: R4209787-1 R4209787-4

| 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 | 4.86 | 4.55 | 97.2 | 91.0 | 72.0-127 | 6.59 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 102 | 103 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 105 | 72.0-128 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4209787-2 R4209787-5

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | mg/kg | 0.0500 | 0.0575 | 0.0534 | 115 | 107 | 76.0-121 | 7.39 | 20 | |
| Ethylbenzene | mg/kg | 0.0500 | 0.0545 | 0.0486 | 109 | 97.2 | 80.0-124 | 11.4 | 20 | |
| Methyl-tert-butyl ether | mg/kg | 0.0500 | 0.0592 | 0.0573 | 118 | 115 | 71.0-121 | 3.26 | 20 | |
| Toluene | mg/kg | 0.0500 | 0.0519 | 0.0482 | 104 | 96.4 | 80.0-120 | 7.39 | 20 | |
| Xylene (Total) | mg/kg | 0.150 | 0.159 | 0.146 | 106 | 97.3 | 37.0-160 | 8.52 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 97.1 | 97.0 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 101 | 101 | 72.0-128 | | | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2507566
QC Batch Method: 8015/8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183003

METHOD BLANK: R4210558-5 Matrix: Solid
Associated Lab Samples: 10732183003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | mg/kg | ND | 0.0125 | 05/05/25 22:05 | |
| Ethylbenzene | mg/kg | ND | 0.0125 | 05/05/25 22:05 | |
| Gasoline Range Organics | mg/kg | ND | 2.50 | 05/05/25 22:05 | |
| Methyl-tert-butyl ether | mg/kg | ND | 0.125 | 05/05/25 22:05 | |
| Toluene | mg/kg | ND | 0.125 | 05/05/25 22:05 | |
| Xylene (Total) | mg/kg | ND | 0.0375 | 05/05/25 22:05 | |
| a,a,a-Trifluorotoluene (FID) | % | 102 | 77.0-120 | 05/05/25 22:05 | |
| a,a,a-Trifluorotoluene (PID) | % | 107 | 72.0-128 | 05/05/25 22:05 | |

LABORATORY CONTROL SAMPLE & LCSD: R4210558-1 R4210558-2

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | mg/kg | 0.0500 | 0.0504 | 0.0512 | 101 | 102 | 76.0-121 | 1.57 | 20 | |
| Ethylbenzene | mg/kg | 0.0500 | 0.0509 | 0.0515 | 102 | 103 | 80.0-124 | 1.17 | 20 | |
| Methyl-tert-butyl ether | mg/kg | 0.0500 | 0.0562 | 0.0578 | 112 | 116 | 71.0-121 | 2.81 | 20 | |
| Toluene | mg/kg | 0.0500 | 0.0503 | 0.0513 | 101 | 103 | 80.0-120 | 1.97 | 20 | |
| Xylene (Total) | mg/kg | 0.150 | 0.148 | 0.150 | 98.7 | 100 | 37.0-160 | 1.34 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 99.7 | 99.9 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 104 | 72.0-128 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4210558-3 R4210558-4

| 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 | 5.05 | 5.15 | 101 | 103 | 72.0-127 | 1.96 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 104 | 103 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 109 | 109 | 72.0-128 | | | |

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(612)607-1700

# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2507566
QC Batch Method: 8015
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183003

METHOD BLANK: R4210558-5 Matrix: Solid
Associated Lab Samples: 10732183003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | mg/kg | ND | 0.0125 | 05/05/25 22:05 | |
| Ethylbenzene | mg/kg | ND | 0.0125 | 05/05/25 22:05 | |
| Gasoline Range Organics | mg/kg | ND | 2.50 | 05/05/25 22:05 | |
| Methyl-tert-butyl ether | mg/kg | ND | 0.125 | 05/05/25 22:05 | |
| Toluene | mg/kg | ND | 0.125 | 05/05/25 22:05 | |
| Xylene (Total) | mg/kg | ND | 0.0375 | 05/05/25 22:05 | |
| a,a,a-Trifluorotoluene (FID) | % | 102 | 77.0-120 | 05/05/25 22:05 | |
| a,a,a-Trifluorotoluene (PID) | % | 107 | 72.0-128 | 05/05/25 22:05 | |

LABORATORY CONTROL SAMPLE & LCSD: R4210558-1 R4210558-2

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | mg/kg | 0.0500 | 0.0504 | 0.0512 | 101 | 102 | 76.0-121 | 1.57 | 20 | |
| Ethylbenzene | mg/kg | 0.0500 | 0.0509 | 0.0515 | 102 | 103 | 80.0-124 | 1.17 | 20 | |
| Methyl-tert-butyl ether | mg/kg | 0.0500 | 0.0562 | 0.0578 | 112 | 116 | 71.0-121 | 2.81 | 20 | |
| Toluene | mg/kg | 0.0500 | 0.0503 | 0.0513 | 101 | 103 | 80.0-120 | 1.97 | 20 | |
| Xylene (Total) | mg/kg | 0.150 | 0.148 | 0.150 | 98.7 | 100 | 37.0-160 | 1.34 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 99.7 | 99.9 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 104 | 72.0-128 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4210558-3 R4210558-4

| 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 | 5.05 | 5.15 | 101 | 103 | 72.0-127 | 1.96 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 104 | 103 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 109 | 109 | 72.0-128 | | | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2507566
QC Batch Method: 8021
Analysis Method: OA1
Analysis Description: VOA (GC) 8021/OA1
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10732183003

METHOD BLANK: R4210558-5 Matrix: Solid
Associated Lab Samples: 10732183003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | mg/kg | ND | 0.0125 | 05/05/25 22:05 | |
| Ethylbenzene | mg/kg | ND | 0.0125 | 05/05/25 22:05 | |
| Gasoline Range Organics | mg/kg | ND | 2.50 | 05/05/25 22:05 | |
| Methyl-tert-butyl ether | mg/kg | ND | 0.125 | 05/05/25 22:05 | |
| Toluene | mg/kg | ND | 0.125 | 05/05/25 22:05 | |
| Xylene (Total) | mg/kg | ND | 0.0375 | 05/05/25 22:05 | |
| a,a,a-Trifluorotoluene (FID) | % | 102 | 77.0-120 | 05/05/25 22:05 | |
| a,a,a-Trifluorotoluene (PID) | % | 107 | 72.0-128 | 05/05/25 22:05 | |

LABORATORY CONTROL SAMPLE & LCSD: R4210558-1 R4210558-2

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | mg/kg | 0.0500 | 0.0504 | 0.0512 | 101 | 102 | 76.0-121 | 1.57 | 20 | |
| Ethylbenzene | mg/kg | 0.0500 | 0.0509 | 0.0515 | 102 | 103 | 80.0-124 | 1.17 | 20 | |
| Methyl-tert-butyl ether | mg/kg | 0.0500 | 0.0562 | 0.0578 | 112 | 116 | 71.0-121 | 2.81 | 20 | |
| Toluene | mg/kg | 0.0500 | 0.0503 | 0.0513 | 101 | 103 | 80.0-120 | 1.97 | 20 | |
| Xylene (Total) | mg/kg | 0.150 | 0.148 | 0.150 | 98.7 | 100 | 37.0-160 | 1.34 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 99.7 | 99.9 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 104 | 104 | 72.0-128 | | | |

LABORATORY CONTROL SAMPLE & LCSD: R4210558-3 R4210558-4

| 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 | 5.05 | 5.15 | 101 | 103 | 72.0-127 | 1.96 | 20 | |
| a,a,a-Trifluorotoluene (FID) | % | | | | 104 | 103 | 77.0-120 | | | |
| a,a,a-Trifluorotoluene (PID) | % | | | | 109 | 109 | 72.0-128 | | | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 1004048
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: 10732183001, 10732183002, 10732183003, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

SAMPLE DUPLICATE: 5235913

| Parameter | Units | 10732183001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 16.1 | 16.8 | 4 | 30 | N2 |

SAMPLE DUPLICATE: 5235914

| Parameter | Units | 10732384001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 22.9 | 23.8 | 4 | 30 | N2 |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 2508688
QC Batch Method: 8260B
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 10732183015

METHOD BLANK: R4211147-4 Matrix: Water
Associated Lab Samples: 10732183015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,1-Dichloroethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,1-Dichloroethene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,1-Dichloropropene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,2,3-Trichloropropane | ug/L | ND | 2.50 | 05/06/25 23:01 | |
| 1,2,3-Trimethylbenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,2-Dichloroethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,2-Dichloropropane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,3-Dichloropropane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 2,2-Dichloropropane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 2-Butanone (MEK) | ug/L | ND | 10.0 | 05/06/25 23:01 | |
| 2-Chlorotoluene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 4-Chlorotoluene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 10.0 | 05/06/25 23:01 | |
| Acetone | ug/L | ND | 50.0 | 05/06/25 23:01 | |
| Allyl chloride | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| Benzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Bromobenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Bromochloromethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Bromodichloromethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Bromoform | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Bromomethane | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| Carbon tetrachloride | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Chlorobenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Chloroethane | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| Chloroform | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| Chloromethane | ug/L | ND | 2.50 | 05/06/25 23:01 | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

METHOD BLANK: R4211147-4 Matrix: Water
Associated Lab Samples: 10732183015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| cis-1,3-Dichloropropene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Dibromochloromethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Dibromomethane | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Dichlorodifluoromethane | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| Dichlorofluoromethane | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Ethylbenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| m&p-Xylene | ug/L | ND | 2.00 | 05/06/25 23:01 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Methylene Chloride | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| n-Butylbenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| n-Propylbenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Naphthalene | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| o-Xylene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| p-Isopropyltoluene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| sec-Butylbenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Styrene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| tert-Butylbenzene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Tetrachloroethene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Tetrahydrofuran | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| Toluene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| trans-1,3-Dichloropropene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Trichloroethene | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Trichlorofluoromethane | ug/L | ND | 5.00 | 05/06/25 23:01 | |
| Vinyl chloride | ug/L | ND | 1.00 | 05/06/25 23:01 | |
| Xylene (Total) | ug/L | ND | 3.00 | 05/06/25 23:01 | |
| 1,2-Dichloroethane-d4 (S) | % | 105 | 70.0-130 | 05/06/25 23:01 | |
| 4-Bromofluorobenzene (S) | % | 95.9 | 77.0-126 | 05/06/25 23:01 | |
| Toluene-d8 (S) | % | 108 | 80.0-120 | 05/06/25 23:01 | |

LABORATORY CONTROL SAMPLE & LCSD: R4211147-1 R4211147-2

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | 5.00 | 5.71 | 5.54 | 114 | 111 | 75.0-125 | 3.02 | 20 | |
| 1,1,1-Trichloroethane | ug/L | 5.00 | 5.41 | 5.13 | 108 | 103 | 73.0-124 | 5.31 | 20 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 5.00 | 6.08 | 5.94 | 122 | 119 | 65.0-130 | 2.33 | 20 | |
| 1,1,2-Trichloroethane | ug/L | 5.00 | 5.58 | 5.39 | 112 | 108 | 80.0-120 | 3.46 | 20 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 5.00 | 5.62 | 5.27 | 112 | 105 | 69.0-132 | 6.43 | 20 | |
| 1,1-Dichloroethane | ug/L | 5.00 | 5.40 | 5.12 | 108 | 102 | 70.0-126 | 5.32 | 20 | |
| 1,1-Dichloroethene | ug/L | 5.00 | 5.04 | 4.81 | 101 | 96.2 | 71.0-124 | 4.67 | 20 | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

LABORATORY CONTROL SAMPLE & LCSD: R4211147-1 R4211147-2

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloropropene | ug/L | 5.00 | 5.36 | 5.07 | 107 | 101 | 74.0-126 | 5.56 | 20 | |
| 1,2,3-Trichlorobenzene | ug/L | 5.00 | 5.00 | 5.33 | 100 | 107 | 50.0-138 | 6.39 | 20 | |
| 1,2,3-Trichloropropane | ug/L | 5.00 | 6.43 | 6.63 | 129 | 133 | 73.0-130 | 3.06 | 20 | L0 |
| 1,2,3-Trimethylbenzene | ug/L | 5.00 | 5.78 | 5.74 | 116 | 115 | 77.0-120 | 0.694 | 20 | |
| 1,2,4-Trichlorobenzene | ug/L | 5.00 | 4.64 | 4.84 | 92.8 | 96.8 | 57.0-137 | 4.22 | 20 | |
| 1,2,4-Trimethylbenzene | ug/L | 5.00 | 5.68 | 5.48 | 114 | 110 | 76.0-121 | 3.58 | 20 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 5.00 | 5.21 | 5.38 | 104 | 108 | 58.0-134 | 3.21 | 20 | |
| 1,2-Dibromoethane (EDB) | ug/L | 5.00 | 5.86 | 5.67 | 117 | 113 | 80.0-122 | 3.30 | 20 | |
| 1,2-Dichlorobenzene | ug/L | 5.00 | 5.88 | 5.89 | 118 | 118 | 79.0-121 | 0.170 | 20 | |
| 1,2-Dichloroethane | ug/L | 5.00 | 5.86 | 5.56 | 117 | 111 | 70.0-128 | 5.25 | 20 | |
| 1,2-Dichloropropane | ug/L | 5.00 | 5.57 | 5.42 | 111 | 108 | 77.0-125 | 2.73 | 20 | |
| 1,3,5-Trimethylbenzene | ug/L | 5.00 | 5.83 | 5.81 | 117 | 116 | 76.0-122 | 0.344 | 20 | |
| 1,3-Dichlorobenzene | ug/L | 5.00 | 5.74 | 5.72 | 115 | 114 | 79.0-120 | 0.349 | 20 | |
| 1,3-Dichloropropane | ug/L | 5.00 | 6.03 | 5.94 | 121 | 119 | 80.0-120 | 1.50 | 20 | L0 |
| 1,4-Dichlorobenzene | ug/L | 5.00 | 5.75 | 5.67 | 115 | 113 | 79.0-120 | 1.40 | 20 | |
| 2,2-Dichloropropane | ug/L | 5.00 | 4.99 | 4.81 | 99.8 | 96.2 | 58.0-130 | 3.67 | 20 | |
| 2-Butanone (MEK) | ug/L | 25.0 | 36.2 | 34.5 | 145 | 138 | 44.0-160 | 4.81 | 20 | |
| 2-Chlorotoluene | ug/L | 5.00 | 6.29 | 6.23 | 126 | 125 | 76.0-123 | 0.958 | 20 | L0 |
| 4-Chlorotoluene | ug/L | 5.00 | 6.04 | 6.05 | 121 | 121 | 75.0-122 | 0.165 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 25.0 | 32.8 | 33.2 | 131 | 133 | 68.0-142 | 1.21 | 20 | |
| Acetone | ug/L | 25.0 | ND | ND | 173 | 166 | 19.0-160 | 4.00 | 27 | L0 |
| Allyl chloride | ug/L | 25.0 | 26.9 | 26.1 | 108 | 104 | 72.0-128 | 3.02 | 20 | |
| Benzene | ug/L | 5.00 | 5.23 | 4.97 | 105 | 99.4 | 70.0-123 | 5.10 | 20 | |
| Bromobenzene | ug/L | 5.00 | 5.68 | 5.64 | 114 | 113 | 73.0-121 | 0.707 | 20 | |
| Bromochloromethane | ug/L | 5.00 | 5.62 | 5.45 | 112 | 109 | 76.0-122 | 3.07 | 20 | |
| Bromodichloromethane | ug/L | 5.00 | 5.29 | 5.28 | 106 | 106 | 75.0-120 | 0.189 | 20 | |
| Bromoform | ug/L | 5.00 | 5.37 | 5.28 | 107 | 106 | 68.0-132 | 1.69 | 20 | |
| Bromomethane | ug/L | 5.00 | 6.22 | 7.07 | 124 | 141 | 10.0-160 | 12.8 | 25 | |
| Carbon tetrachloride | ug/L | 5.00 | 5.59 | 5.33 | 112 | 107 | 68.0-126 | 4.76 | 20 | |
| Chlorobenzene | ug/L | 5.00 | 5.66 | 5.45 | 113 | 109 | 80.0-121 | 3.78 | 20 | |
| Chloroethane | ug/L | 5.00 | 6.23 | 6.07 | 125 | 121 | 47.0-150 | 2.60 | 20 | |
| Chloroform | ug/L | 5.00 | 5.44 | 5.02 | 109 | 100 | 73.0-120 | 8.03 | 20 | |
| Chloromethane | ug/L | 5.00 | 5.52 | 5.04 | 110 | 101 | 41.0-142 | 9.09 | 20 | |
| cis-1,2-Dichloroethene | ug/L | 5.00 | 5.08 | 4.85 | 102 | 97.0 | 73.0-120 | 4.63 | 20 | |
| cis-1,3-Dichloropropene | ug/L | 5.00 | 5.28 | 5.13 | 106 | 103 | 80.0-123 | 2.88 | 20 | |
| Dibromochloromethane | ug/L | 5.00 | 5.66 | 5.51 | 113 | 110 | 77.0-125 | 2.69 | 20 | |
| Dibromomethane | ug/L | 5.00 | 5.79 | 5.57 | 116 | 111 | 80.0-120 | 3.87 | 20 | |
| Dichlorodifluoromethane | ug/L | 5.00 | 5.44 | 5.34 | 109 | 107 | 51.0-149 | 1.86 | 20 | |
| Dichlorofluoromethane | ug/L | 5.00 | 5.47 | 5.33 | 109 | 107 | 65.0-133 | 2.59 | 20 | |
| Diethyl ether (Ethyl ether) | ug/L | 5.00 | 5.17 | 5.23 | 103 | 105 | 66.0-130 | 1.15 | 20 | |
| Ethylbenzene | ug/L | 5.00 | 5.37 | 5.29 | 107 | 106 | 79.0-123 | 1.50 | 20 | |
| Hexachloro-1,3-butadiene | ug/L | 5.00 | 5.57 | 5.65 | 111 | 113 | 54.0-138 | 1.43 | 20 | |
| Isopropylbenzene (Cumene) | ug/L | 5.00 | 5.34 | 5.24 | 107 | 105 | 76.0-127 | 1.89 | 20 | |
| m&p-Xylene | ug/L | 10.0 | 11.3 | 11.0 | 113 | 110 | 80.0-122 | 2.69 | 20 | |
| Methyl-tert-butyl ether | ug/L | 5.00 | 5.18 | 5.07 | 104 | 101 | 68.0-125 | 2.15 | 20 | |
| Methylene Chloride | ug/L | 5.00 | 5.24 | 5.12 | 105 | 102 | 67.0-120 | 2.32 | 20 | |
| n-Butylbenzene | ug/L | 5.00 | 6.44 | 6.35 | 129 | 127 | 73.0-125 | 1.41 | 20 | L0 |

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(612)607-1700

## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

LABORATORY CONTROL SAMPLE & LCSD: R4211147-1 R4211147-2

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| n-Propylbenzene | ug/L | 5.00 | 6.09 | 6.10 | 122 | 122 | 77.0-124 | 0.164 | 20 | |
| Naphthalene | ug/L | 5.00 | ND | ND | 93.4 | 95.8 | 54.0-135 | 2.54 | 20 | |
| o-Xylene | ug/L | 5.00 | 5.20 | 5.20 | 104 | 104 | 80.0-122 | 0.00 | 20 | |
| p-Isopropyltoluene | ug/L | 5.00 | 5.98 | 5.90 | 120 | 118 | 76.0-125 | 1.35 | 20 | |
| sec-Butylbenzene | ug/L | 5.00 | 5.86 | 5.76 | 117 | 115 | 75.0-125 | 1.72 | 20 | |
| Styrene | ug/L | 5.00 | 5.34 | 5.28 | 107 | 106 | 73.0-130 | 1.13 | 20 | |
| tert-Butylbenzene | ug/L | 5.00 | 5.75 | 5.55 | 115 | 111 | 76.0-124 | 3.54 | 20 | |
| Tetrachloroethene | ug/L | 5.00 | 5.14 | 5.20 | 103 | 104 | 72.0-132 | 1.16 | 20 | |
| Tetrahydrofuran | ug/L | 5.00 | 5.77 | 5.82 | 115 | 116 | 41.0-146 | 0.863 | 20 | |
| Toluene | ug/L | 5.00 | 5.41 | 5.41 | 108 | 108 | 79.0-120 | 0.00 | 20 | |
| trans-1,2-Dichloroethene | ug/L | 5.00 | 5.06 | 4.97 | 101 | 99.4 | 73.0-120 | 1.79 | 20 | |
| trans-1,3-Dichloropropene | ug/L | 5.00 | 5.82 | 5.68 | 116 | 114 | 78.0-124 | 2.43 | 20 | |
| Trichloroethene | ug/L | 5.00 | 5.23 | 4.94 | 105 | 98.8 | 78.0-124 | 5.70 | 20 | |
| Trichlorofluoromethane | ug/L | 5.00 | 6.01 | 5.84 | 120 | 117 | 59.0-147 | 2.87 | 20 | |
| Vinyl chloride | ug/L | 5.00 | 6.04 | 5.63 | 121 | 113 | 67.0-131 | 7.03 | 20 | |
| Xylene (Total) | ug/L | 15.0 | 16.5 | 16.2 | 110 | 108 | 79.0-123 | 1.83 | 20 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 106 | 107 | 70.0-130 | | | |
| 4-Bromofluorobenzene (S) | % | | | | 96.1 | 97.7 | 77.0-126 | | | |
| Toluene-d8 (S) | % | | | | 105 | 107 | 80.0-120 | | | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 1003372
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: 10732183001, 10732183002, 10732183003, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008, 10732183009

METHOD BLANK: 5232690
Matrix: Solid
Associated Lab Samples: 10732183001, 10732183002, 10732183003, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008, 10732183009

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,1,1-Trichloroethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,1,2-Trichloroethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,1,2-Trichlorotrifluoroethane | ug/kg | ND | 200 | 04/25/25 23:43 | |
| 1,1-Dichloroethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,1-Dichloroethene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,1-Dichloropropene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,2,3-Trichlorobenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,2,3-Trichloropropane | ug/kg | ND | 200 | 04/25/25 23:43 | |
| 1,2,4-Trichlorobenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,2,4-Trimethylbenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,2-Dibromo-3-chloropropane | ug/kg | ND | 500 | 04/25/25 23:43 | |
| 1,2-Dibromoethane (EDB) | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,2-Dichlorobenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,2-Dichloroethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,2-Dichloropropane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,3,5-Trimethylbenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,3-Dichlorobenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,3-Dichloropropane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 1,4-Dichlorobenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 2,2-Dichloropropane | ug/kg | ND | 200 | 04/25/25 23:43 | |
| 2-Butanone (MEK) | ug/kg | ND | 250 | 04/25/25 23:43 | |
| 2-Chlorotoluene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 4-Chlorotoluene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | ND | 250 | 04/25/25 23:43 | |
| Acetone | ug/kg | ND | 1000 | 04/25/25 23:43 | |
| Allyl chloride | ug/kg | ND | 200 | 04/25/25 23:43 | |
| Benzene | ug/kg | ND | 20.0 | 04/25/25 23:43 | |
| Bromobenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Bromochloromethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Bromodichloromethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Bromoform | ug/kg | ND | 200 | 04/25/25 23:43 | |
| Bromomethane | ug/kg | ND | 500 | 04/25/25 23:43 | |
| Carbon tetrachloride | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Chlorobenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Chloroethane | ug/kg | ND | 500 | 04/25/25 23:43 | |
| Chloroform | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Chloromethane | ug/kg | ND | 200 | 04/25/25 23:43 | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

METHOD BLANK: 5232690 Matrix: Solid

Associated Lab Samples: 10732183001, 10732183002, 10732183003, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008, 10732183009

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| cis-1,3-Dichloropropene | ug/kg | ND | 200 | 04/25/25 23:43 | MN |
| Dibromochloromethane | ug/kg | ND | 200 | 04/25/25 23:43 | |
| Dibromomethane | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Dichlorodifluoromethane | ug/kg | ND | 200 | 04/25/25 23:43 | |
| Dichlorofluoromethane | ug/kg | ND | 500 | 04/25/25 23:43 | |
| Diethyl ether (Ethyl ether) | ug/kg | ND | 200 | 04/25/25 23:43 | |
| Ethylbenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Hexachloro-1,3-butadiene | ug/kg | ND | 250 | 04/25/25 23:43 | |
| Isopropylbenzene (Cumene) | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| m&p-Xylene | ug/kg | ND | 100 | 04/25/25 23:43 | |
| Methyl-tert-butyl ether | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Methylene Chloride | ug/kg | ND | 200 | 04/25/25 23:43 | |
| n-Butylbenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| n-Propylbenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Naphthalene | ug/kg | ND | 200 | 04/25/25 23:43 | |
| o-Xylene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| p-Isopropyltoluene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| sec-Butylbenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Styrene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| tert-Butylbenzene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Tetrachloroethene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Tetrahydrofuran | ug/kg | ND | 2000 | 04/25/25 23:43 | |
| Toluene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| trans-1,2-Dichloroethene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| trans-1,3-Dichloropropene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Trichloroethene | ug/kg | ND | 50.0 | 04/25/25 23:43 | |
| Trichlorofluoromethane | ug/kg | ND | 200 | 04/25/25 23:43 | |
| Vinyl chloride | ug/kg | ND | 20.0 | 04/25/25 23:43 | |
| Xylene (Total) | ug/kg | ND | 150 | 04/25/25 23:43 | |
| 1,2-Dichlorobenzene-d4 (S) | %. | 101 | 75-125 | 04/25/25 23:43 | |
| 4-Bromofluorobenzene (S) | %. | 99 | 75-125 | 04/25/25 23:43 | |
| Toluene-d8 (S) | %. | 101 | 75-125 | 04/25/25 23:43 | |

LABORATORY CONTROL SAMPLE & LCSD: 5232691 5232692

| 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 | 966 | 964 | 97 | 96 | 73-127 | 0 | 20 | |
| 1,1,1-Trichloroethane | ug/kg | 1000 | 977 | 946 | 98 | 95 | 73-125 | 3 | 20 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | 1000 | 1020 | 1030 | 102 | 103 | 66-126 | 1 | 20 | |
| 1,1,2-Trichloroethane | ug/kg | 1000 | 1000 | 1030 | 100 | 103 | 75-125 | 2 | 20 | |
| 1,1,2-Trichlorotrifluoroethane | ug/kg | 1000 | 1070 | 1010 | 107 | 101 | 67-139 | 6 | 20 | |
| 1,1-Dichloroethane | ug/kg | 1000 | 1040 | 987 | 104 | 99 | 75-125 | 5 | 20 | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

LABORATORY CONTROL SAMPLE & LCSD: 5232691 5232692

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ug/kg | 1000 | 1010 | 953 | 101 | 95 | 75-127 | 6 | 20 | |
| 1,1-Dichloropropene | ug/kg | 1000 | 1060 | 1010 | 106 | 101 | 75-125 | 6 | 20 | |
| 1,2,3-Trichlorobenzene | ug/kg | 1000 | 1050 | 1020 | 105 | 102 | 70-125 | 2 | 20 | |
| 1,2,3-Trichloropropane | ug/kg | 1000 | 972 | 1000 | 97 | 100 | 75-125 | 3 | 20 | |
| 1,2,4-Trichlorobenzene | ug/kg | 1000 | 1010 | 979 | 101 | 98 | 75-125 | 3 | 20 | |
| 1,2,4-Trimethylbenzene | ug/kg | 1000 | 1050 | 992 | 105 | 99 | 75-125 | 6 | 20 | |
| 1,2-Dibromo-3-chloropropane | ug/kg | 1000 | 798 | 865 | 80 | 86 | 72-125 | 8 | 20 | |
| 1,2-Dibromoethane (EDB) | ug/kg | 1000 | 911 | 903 | 91 | 90 | 75-125 | 1 | 20 | |
| 1,2-Dichlorobenzene | ug/kg | 1000 | 979 | 945 | 98 | 95 | 75-125 | 3 | 20 | |
| 1,2-Dichloroethane | ug/kg | 1000 | 1040 | 1010 | 104 | 101 | 75-125 | 3 | 20 | |
| 1,2-Dichloropropane | ug/kg | 1000 | 1030 | 1010 | 103 | 101 | 75-125 | 3 | 20 | |
| 1,3,5-Trimethylbenzene | ug/kg | 1000 | 1030 | 994 | 103 | 99 | 75-125 | 4 | 20 | |
| 1,3-Dichlorobenzene | ug/kg | 1000 | 1010 | 937 | 101 | 94 | 75-125 | 7 | 20 | |
| 1,3-Dichloropropane | ug/kg | 1000 | 994 | 987 | 99 | 99 | 75-125 | 1 | 20 | |
| 1,4-Dichlorobenzene | ug/kg | 1000 | 990 | 914 | 99 | 91 | 75-125 | 8 | 20 | |
| 2,2-Dichloropropane | ug/kg | 1000 | 820 | 783 | 82 | 78 | 56-128 | 5 | 20 | |
| 2-Butanone (MEK) | ug/kg | 5000 | 5590 | 5070 | 112 | 101 | 70-129 | 10 | 20 | |
| 2-Chlorotoluene | ug/kg | 1000 | 1050 | 970 | 105 | 97 | 75-125 | 8 | 20 | |
| 4-Chlorotoluene | ug/kg | 1000 | 1040 | 960 | 104 | 96 | 75-125 | 8 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | 5000 | 4920 | 4860 | 98 | 97 | 75-127 | 1 | 20 | |
| Acetone | ug/kg | 5000 | 4910 | 5140 | 98 | 103 | 68-130 | 5 | 20 | |
| Allyl chloride | ug/kg | 1000 | 1050 | 1010 | 105 | 101 | 69-125 | 4 | 20 | |
| Benzene | ug/kg | 1000 | 1030 | 984 | 103 | 98 | 75-125 | 5 | 20 | |
| Bromobenzene | ug/kg | 1000 | 1050 | 968 | 105 | 97 | 75-125 | 9 | 20 | |
| Bromochloromethane | ug/kg | 1000 | 970 | 933 | 97 | 93 | 75-125 | 4 | 20 | |
| Bromodichloromethane | ug/kg | 1000 | 968 | 938 | 97 | 94 | 72-125 | 3 | 20 | |
| Bromoform | ug/kg | 1000 | 926 | 970 | 93 | 97 | 64-125 | 5 | 20 | |
| Bromomethane | ug/kg | 1000 | 881 | 817 | 88 | 82 | 32-150 | 8 | 20 | |
| Carbon tetrachloride | ug/kg | 1000 | 991 | 942 | 99 | 94 | 72-126 | 5 | 20 | |
| Chlorobenzene | ug/kg | 1000 | 973 | 933 | 97 | 93 | 75-125 | 4 | 20 | |
| Chloroethane | ug/kg | 1000 | 987 | 888 | 99 | 89 | 49-150 | 11 | 20 | |
| Chloroform | ug/kg | 1000 | 1040 | 992 | 104 | 99 | 75-125 | 5 | 20 | |
| Chloromethane | ug/kg | 1000 | 938 | 851 | 94 | 85 | 64-133 | 10 | 20 | |
| cis-1,2-Dichloroethene | ug/kg | 1000 | 1020 | 992 | 102 | 99 | 75-125 | 3 | 20 | |
| cis-1,3-Dichloropropene | ug/kg | 1000 | 859 | 841 | 86 | 84 | 68-134 | 2 | 20 | |
| Dibromochloromethane | ug/kg | 1000 | 864 | 857 | 86 | 86 | 72-126 | 1 | 20 | |
| Dibromomethane | ug/kg | 1000 | 978 | 986 | 98 | 99 | 75-128 | 1 | 20 | |
| Dichlorodifluoromethane | ug/kg | 1000 | 1010 | 990 | 101 | 99 | 65-144 | 2 | 20 | |
| Dichlorofluoromethane | ug/kg | 1000 | 1070 | 967 | 107 | 97 | 60-145 | 11 | 20 | |
| Diethyl ether (Ethyl ether) | ug/kg | 1000 | 1050 | 1010 | 105 | 101 | 75-125 | 4 | 20 | |
| Ethylbenzene | ug/kg | 1000 | 1020 | 981 | 102 | 98 | 75-125 | 4 | 20 | |
| Hexachloro-1,3-butadiene | ug/kg | 1000 | 945 | 979 | 95 | 98 | 67-126 | 4 | 20 | |
| Isopropylbenzene (Cumene) | ug/kg | 1000 | 1030 | 969 | 103 | 97 | 75-125 | 6 | 20 | |
| m&p-Xylene | ug/kg | 2000 | 2010 | 1900 | 100 | 95 | 75-125 | 6 | 20 | |
| Methyl-tert-butyl ether | ug/kg | 1000 | 1000 | 1020 | 100 | 102 | 75-125 | 2 | 20 | |
| Methylene Chloride | ug/kg | 1000 | 934 | 917 | 93 | 92 | 74-125 | 2 | 20 | |
| n-Butylbenzene | ug/kg | 1000 | 980 | 902 | 98 | 90 | 66-125 | 8 | 20 | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

LABORATORY CONTROL SAMPLE & LCSD: 5232691 5232692

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| n-Propylbenzene | ug/kg | 1000 | 1050 | 965 | 105 | 96 | 75-125 | 9 | 20 | |
| Naphthalene | ug/kg | 1000 | 1070 | 1070 | 107 | 107 | 75-125 | 0 | 20 | |
| o-Xylene | ug/kg | 1000 | 995 | 937 | 99 | 94 | 75-125 | 6 | 20 | |
| p-Isopropyltoluene | ug/kg | 1000 | 1060 | 985 | 106 | 99 | 74-125 | 7 | 20 | |
| sec-Butylbenzene | ug/kg | 1000 | 1090 | 1010 | 109 | 101 | 74-125 | 8 | 20 | |
| Styrene | ug/kg | 1000 | 1020 | 968 | 102 | 97 | 75-125 | 5 | 20 | |
| tert-Butylbenzene | ug/kg | 1000 | 1040 | 968 | 104 | 97 | 75-125 | 7 | 20 | |
| Tetrachloroethene | ug/kg | 1000 | 970 | 951 | 97 | 95 | 75-125 | 2 | 20 | |
| Tetrahydrofuran | ug/kg | 5000 | 5100 | 4860 | 102 | 97 | 69-132 | 5 | 20 | |
| Toluene | ug/kg | 1000 | 1020 | 980 | 102 | 98 | 75-125 | 4 | 20 | |
| trans-1,2-Dichloroethene | ug/kg | 1000 | 988 | 956 | 99 | 96 | 75-128 | 3 | 20 | |
| trans-1,3-Dichloropropene | ug/kg | 1000 | 864 | 881 | 86 | 88 | 68-129 | 2 | 20 | |
| Trichloroethene | ug/kg | 1000 | 1050 | 1010 | 105 | 101 | 75-125 | 4 | 20 | |
| Trichlorofluoromethane | ug/kg | 1000 | 1030 | 1000 | 103 | 100 | 69-146 | 2 | 20 | |
| Vinyl chloride | ug/kg | 1000 | 1030 | 915 | 103 | 91 | 71-138 | 12 | 20 | |
| Xylene (Total) | ug/kg | 3000 | 3000 | 2830 | 100 | 94 | 75-125 | 6 | 20 | |
| 1,2-Dichlorobenzene-d4 (S) | %. | | | | 97 | 97 | 75-125 | | | |
| 4-Bromofluorobenzene (S) | %. | | | | 101 | 103 | 75-125 | | | |
| Toluene-d8 (S) | %. | | | | 100 | 101 | 75-125 | | | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 1003377
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10732183015

METHOD BLANK: 5232734 Matrix: Water
Associated Lab Samples: 10732183015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,2,3-Trichloropropane | ug/L | ND | 2.5 | 04/25/25 12:49 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 2.5 | 04/25/25 12:49 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 2,2-Dichloropropane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 2-Butanone (MEK) | ug/L | ND | 10.0 | 04/25/25 12:49 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 10.0 | 04/25/25 12:49 | |
| Acetone | ug/L | ND | 10.0 | 04/25/25 12:49 | |
| Allyl chloride | ug/L | ND | 2.5 | 04/25/25 12:49 | |
| Benzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Bromobenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Bromochloromethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Bromoform | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Bromomethane | ug/L | ND | 2.5 | 04/25/25 12:49 | |
| Carbon tetrachloride | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Chlorobenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Chloroethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Chloroform | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Chloromethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 04/25/25 12:49 | |

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(612)607-1700

## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

METHOD BLANK: 5232734 Matrix: Water
Associated Lab Samples: 10732183015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Dibromomethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 2.5 | 04/25/25 12:49 | |
| Ethylbenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| m&p-Xylene | ug/L | ND | 2.0 | 04/25/25 12:49 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Methylene Chloride | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Naphthalene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| o-Xylene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Styrene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 04/25/25 12:49 | |
| Toluene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| trans-1,3-Dichloropropene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Trichloroethene | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Vinyl chloride | ug/L | ND | 1.0 | 04/25/25 12:49 | |
| Xylene (Total) | ug/L | ND | 3.0 | 04/25/25 12:49 | |
| 1,2-Dichlorobenzene-d4 (S) | %. | 100 | 75-125 | 04/25/25 12:49 | |
| 4-Bromofluorobenzene (S) | %. | 98 | 75-125 | 04/25/25 12:49 | |
| Toluene-d8 (S) | %. | 102 | 75-125 | 04/25/25 12:49 | |

LABORATORY CONTROL SAMPLE & LCSD: 5232735 5232736

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | 20 | 19.7 | 20.1 | 99 | 100 | 75-125 | 2 | 20 | |
| 1,1,1-Trichloroethane | ug/L | 20 | 19.6 | 19.6 | 98 | 98 | 75-125 | 0 | 20 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 20 | 20.0 | 20.0 | 100 | 100 | 70-127 | 0 | 20 | |
| 1,1,2-Trichloroethane | ug/L | 20 | 20.8 | 20.5 | 104 | 102 | 75-126 | 2 | 20 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 20 | 19.1 | 18.9 | 96 | 94 | 75-125 | 2 | 20 | |
| 1,1-Dichloroethane | ug/L | 20 | 18.4 | 18.5 | 92 | 93 | 75-125 | 1 | 20 | |
| 1,1-Dichloroethene | ug/L | 20 | 18.9 | 19.5 | 94 | 98 | 75-125 | 3 | 20 | |
| 1,1-Dichloropropene | ug/L | 20 | 19.7 | 19.6 | 99 | 98 | 75-125 | 1 | 20 | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

LABORATORY CONTROL SAMPLE & LCSD: 5232735 5232736

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene | ug/L | 20 | 21.5 | 22.0 | 107 | 110 | 73-125 | 2 | 20 | |
| 1,2,3-Trichloropropane | ug/L | 20 | 19.6 | 20.2 | 98 | 101 | 75-125 | 3 | 20 | |
| 1,2,4-Trichlorobenzene | ug/L | 20 | 22.6 | 22.4 | 113 | 112 | 75-125 | 1 | 20 | |
| 1,2,4-Trimethylbenzene | ug/L | 20 | 20.1 | 20.2 | 101 | 101 | 75-125 | 0 | 20 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 20 | 18.7 | 19.0 | 93 | 95 | 66-125 | 2 | 20 | |
| 1,2-Dibromoethane (EDB) | ug/L | 20 | 20.2 | 20.5 | 101 | 102 | 75-125 | 1 | 20 | |
| 1,2-Dichlorobenzene | ug/L | 20 | 19.5 | 20.7 | 98 | 104 | 75-125 | 6 | 20 | |
| 1,2-Dichloroethane | ug/L | 20 | 18.9 | 18.8 | 94 | 94 | 73-125 | 0 | 20 | |
| 1,2-Dichloropropane | ug/L | 20 | 19.5 | 19.4 | 97 | 97 | 75-125 | 1 | 20 | |
| 1,3,5-Trimethylbenzene | ug/L | 20 | 19.9 | 20.3 | 99 | 101 | 75-125 | 2 | 20 | |
| 1,3-Dichlorobenzene | ug/L | 20 | 19.7 | 20.0 | 98 | 100 | 75-125 | 2 | 20 | |
| 1,3-Dichloropropane | ug/L | 20 | 20.6 | 20.5 | 103 | 102 | 75-125 | 1 | 20 | |
| 1,4-Dichlorobenzene | ug/L | 20 | 19.5 | 19.7 | 97 | 98 | 75-125 | 1 | 20 | |
| 2,2-Dichloropropane | ug/L | 20 | 19.4 | 19.4 | 97 | 97 | 73-125 | 0 | 20 | |
| 2-Butanone (MEK) | ug/L | 100 | 96.3 | 97.2 | 96 | 97 | 70-131 | 1 | 20 | |
| 2-Chlorotoluene | ug/L | 20 | 19.7 | 19.7 | 99 | 99 | 75-125 | 0 | 20 | |
| 4-Chlorotoluene | ug/L | 20 | 19.9 | 20.0 | 99 | 100 | 75-125 | 1 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 100 | 95.8 | 97.7 | 96 | 98 | 69-140 | 2 | 20 | |
| Acetone | ug/L | 100 | 83.5 | 84.3 | 83 | 84 | 60-125 | 1 | 20 | |
| Allyl chloride | ug/L | 20 | 18.5 | 18.5 | 92 | 93 | 75-125 | 0 | 20 | |
| Benzene | ug/L | 20 | 18.9 | 19.2 | 95 | 96 | 75-125 | 1 | 20 | |
| Bromobenzene | ug/L | 20 | 20.5 | 20.7 | 102 | 103 | 75-125 | 1 | 20 | |
| Bromochloromethane | ug/L | 20 | 19.5 | 19.3 | 98 | 97 | 75-125 | 1 | 20 | |
| Bromodichloromethane | ug/L | 20 | 19.6 | 19.7 | 98 | 99 | 73-125 | 1 | 20 | |
| Bromoform | ug/L | 20 | 18.7 | 19.2 | 93 | 96 | 72-125 | 3 | 20 | |
| Bromomethane | ug/L | 20 | 18.3 | 18.8 | 91 | 94 | 35-125 | 3 | 20 | |
| Carbon tetrachloride | ug/L | 20 | 20.5 | 20.3 | 103 | 102 | 75-125 | 1 | 20 | |
| Chlorobenzene | ug/L | 20 | 19.5 | 19.6 | 98 | 98 | 75-125 | 0 | 20 | |
| Chloroethane | ug/L | 20 | 19.3 | 19.1 | 97 | 95 | 73-126 | 1 | 20 | |
| Chloroform | ug/L | 20 | 19.4 | 19.2 | 97 | 96 | 75-125 | 1 | 20 | |
| Chloromethane | ug/L | 20 | 17.4 | 17.0 | 87 | 85 | 67-125 | 2 | 20 | |
| cis-1,2-Dichloroethene | ug/L | 20 | 19.2 | 18.8 | 96 | 94 | 75-125 | 2 | 20 | |
| cis-1,3-Dichloropropene | ug/L | 20 | 19.3 | 19.4 | 96 | 97 | 75-125 | 1 | 20 | |
| Dibromochloromethane | ug/L | 20 | 19.0 | 19.0 | 95 | 95 | 75-125 | 0 | 20 | |
| Dibromomethane | ug/L | 20 | 19.6 | 19.9 | 98 | 100 | 75-125 | 2 | 20 | |
| Dichlorodifluoromethane | ug/L | 20 | 18.2 | 18.0 | 91 | 90 | 73-125 | 1 | 20 | |
| Dichlorofluoromethane | ug/L | 20 | 19.7 | 19.4 | 99 | 97 | 75-125 | 2 | 20 | |
| Diethyl ether (Ethyl ether) | ug/L | 20 | 18.4 | 18.4 | 92 | 92 | 75-125 | 0 | 20 | |
| Ethylbenzene | ug/L | 20 | 19.9 | 20.0 | 100 | 100 | 75-125 | 0 | 20 | |
| Hexachloro-1,3-butadiene | ug/L | 20 | 23.9 | 24.0 | 120 | 120 | 72-125 | 0 | 20 | |
| Isopropylbenzene (Cumene) | ug/L | 20 | 20.1 | 20.2 | 101 | 101 | 75-125 | 0 | 20 | |
| m&p-Xylene | ug/L | 40 | 40.9 | 40.5 | 102 | 101 | 75-125 | 1 | 20 | |
| Methyl-tert-butyl ether | ug/L | 20 | 18.9 | 19.3 | 94 | 96 | 75-128 | 2 | 20 | |
| Methylene Chloride | ug/L | 20 | 17.9 | 17.8 | 90 | 89 | 75-125 | 1 | 20 | |
| n-Butylbenzene | ug/L | 20 | 18.9 | 20.2 | 94 | 101 | 75-125 | 7 | 20 | |
| n-Propylbenzene | ug/L | 20 | 20.5 | 20.5 | 103 | 103 | 75-125 | 0 | 20 | |
| Naphthalene | ug/L | 20 | 19.6 | 19.7 | 98 | 98 | 74-125 | 0 | 20 | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

LABORATORY CONTROL SAMPLE & LCSD: 5232735 5232736

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | ug/L | 20 | 20.3 | 19.9 | 101 | 99 | 75-125 | 2 | 20 | |
| p-Isopropyltoluene | ug/L | 20 | 20.5 | 21.2 | 103 | 106 | 75-125 | 3 | 20 | |
| sec-Butylbenzene | ug/L | 20 | 20.5 | 20.7 | 102 | 104 | 75-125 | 1 | 20 | |
| Styrene | ug/L | 20 | 20.7 | 20.6 | 103 | 103 | 75-125 | 1 | 20 | |
| tert-Butylbenzene | ug/L | 20 | 20.3 | 20.4 | 101 | 102 | 75-125 | 0 | 20 | |
| Tetrachloroethene | ug/L | 20 | 20.6 | 20.2 | 103 | 101 | 75-125 | 2 | 20 | |
| Tetrahydrofuran | ug/L | 100 | 97.9 | 101 | 98 | 101 | 75-125 | 3 | 20 | |
| Toluene | ug/L | 20 | 18.8 | 18.9 | 94 | 95 | 75-125 | 1 | 20 | |
| trans-1,2-Dichloroethene | ug/L | 20 | 19.0 | 19.2 | 95 | 96 | 75-125 | 1 | 20 | |
| trans-1,3-Dichloropropene | ug/L | 20 | 18.4 | 18.4 | 92 | 92 | 75-125 | 0 | 20 | |
| Trichloroethene | ug/L | 20 | 20.0 | 19.8 | 100 | 99 | 68-140 | 1 | 20 | |
| Trichlorofluoromethane | ug/L | 20 | 18.8 | 18.4 | 94 | 92 | 75-125 | 2 | 20 | |
| Vinyl chloride | ug/L | 20 | 17.5 | 17.2 | 88 | 86 | 75-128 | 2 | 20 | |
| Xylene (Total) | ug/L | 60 | 61.1 | 60.4 | 102 | 101 | 75-125 | 1 | 20 | |
| 1,2-Dichlorobenzene-d4 (S) | %. | | | | 99 | 106 | 75-125 | | | |
| 4-Bromofluorobenzene (S) | %. | | | | 99 | 99 | 75-125 | | | |
| Toluene-d8 (S) | %. | | | | 98 | 98 | 75-125 | | | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 1003845
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10732183010, 10732183011, 10732183012, 10732183013, 10732183014

METHOD BLANK: 5234975 Matrix: Water
Associated Lab Samples: 10732183010, 10732183011, 10732183012, 10732183013, 10732183014

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,2,3-Trichloropropane | ug/L | ND | 2.5 | 04/29/25 13:55 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 2.5 | 04/29/25 13:55 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 2,2-Dichloropropane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 2-Butanone (MEK) | ug/L | ND | 10.0 | 04/29/25 13:55 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 10.0 | 04/29/25 13:55 | |
| Acetone | ug/L | ND | 10.0 | 04/29/25 13:55 | |
| Allyl chloride | ug/L | ND | 2.5 | 04/29/25 13:55 | |
| Benzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Bromobenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Bromochloromethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Bromoform | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Bromomethane | ug/L | ND | 2.5 | 04/29/25 13:55 | |
| Carbon tetrachloride | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Chlorobenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Chloroethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Chloroform | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Chloromethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 04/29/25 13:55 | |

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## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

METHOD BLANK: 5234975 Matrix: Water
Associated Lab Samples: 10732183010, 10732183011, 10732183012, 10732183013, 10732183014

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Dibromomethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 2.5 | 04/29/25 13:55 | |
| Ethylbenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| m&p-Xylene | ug/L | ND | 2.0 | 04/29/25 13:55 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Methylene Chloride | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Naphthalene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| o-Xylene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Styrene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 04/29/25 13:55 | |
| Toluene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| trans-1,3-Dichloropropene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Trichloroethene | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Vinyl chloride | ug/L | ND | 1.0 | 04/29/25 13:55 | |
| Xylene (Total) | ug/L | ND | 3.0 | 04/29/25 13:55 | |
| 1,2-Dichlorobenzene-d4 (S) | %. | 100 | 75-125 | 04/29/25 13:55 | |
| 4-Bromofluorobenzene (S) | %. | 101 | 75-125 | 04/29/25 13:55 | |
| Toluene-d8 (S) | %. | 105 | 75-125 | 04/29/25 13:55 | |

LABORATORY CONTROL SAMPLE: 5234976

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | 20 | 17.4 | 87 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 20 | 17.5 | 88 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 20 | 17.7 | 89 | 70-127 | |
| 1,1,2-Trichloroethane | ug/L | 20 | 17.3 | 87 | 75-126 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 20 | 17.2 | 86 | 75-125 | |
| 1,1-Dichloroethane | ug/L | 20 | 17.5 | 87 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 20 | 16.5 | 83 | 75-125 | |
| 1,1-Dichloropropene | ug/L | 20 | 17.4 | 87 | 75-125 | |

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## REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

LABORATORY CONTROL SAMPLE: 5234976

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene | ug/L | 20 | 17.5 | 87 | 73-125 | |
| 1,2,3-Trichloropropane | ug/L | 20 | 17.0 | 85 | 75-125 | |
| 1,2,4-Trichlorobenzene | ug/L | 20 | 17.2 | 86 | 75-125 | |
| 1,2,4-Trimethylbenzene | ug/L | 20 | 18.0 | 90 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 20 | 18.6 | 93 | 66-125 | |
| 1,2-Dibromoethane (EDB) | ug/L | 20 | 17.9 | 89 | 75-125 | |
| 1,2-Dichlorobenzene | ug/L | 20 | 17.1 | 85 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 20 | 17.5 | 87 | 73-125 | |
| 1,2-Dichloropropane | ug/L | 20 | 17.2 | 86 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 20 | 18.1 | 91 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 20 | 17.5 | 88 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 20 | 17.2 | 86 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 20 | 17.3 | 87 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 20 | 18.1 | 90 | 73-125 | |
| 2-Butanone (MEK) | ug/L | 100 | 95.9 | 96 | 70-131 | |
| 2-Chlorotoluene | ug/L | 20 | 17.8 | 89 | 75-125 | |
| 4-Chlorotoluene | ug/L | 20 | 17.8 | 89 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 100 | 93.1 | 93 | 69-140 | |
| Acetone | ug/L | 100 | 86.2 | 86 | 60-125 | |
| Allyl chloride | ug/L | 20 | 17.9 | 89 | 75-125 | |
| Benzene | ug/L | 20 | 17.9 | 89 | 75-125 | |
| Bromobenzene | ug/L | 20 | 17.5 | 87 | 75-125 | |
| Bromochloromethane | ug/L | 20 | 18.3 | 91 | 75-125 | |
| Bromodichloromethane | ug/L | 20 | 18.0 | 90 | 73-125 | |
| Bromoform | ug/L | 20 | 17.6 | 88 | 72-125 | |
| Bromomethane | ug/L | 20 | 22.0 | 110 | 35-125 | |
| Carbon tetrachloride | ug/L | 20 | 18.3 | 91 | 75-125 | |
| Chlorobenzene | ug/L | 20 | 17.5 | 87 | 75-125 | |
| Chloroethane | ug/L | 20 | 21.0 | 105 | 73-126 | |
| Chloroform | ug/L | 20 | 17.7 | 88 | 75-125 | |
| Chloromethane | ug/L | 20 | 21.1 | 105 | 67-125 | |
| cis-1,2-Dichloroethene | ug/L | 20 | 17.6 | 88 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 20 | 18.3 | 91 | 75-125 | |
| Dibromochloromethane | ug/L | 20 | 18.0 | 90 | 75-125 | |
| Dibromomethane | ug/L | 20 | 17.4 | 87 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 20 | 20.5 | 103 | 73-125 | |
| Dichlorofluoromethane | ug/L | 20 | 18.0 | 90 | 75-125 | |
| Diethyl ether (Ethyl ether) | ug/L | 20 | 17.9 | 90 | 75-125 | |
| Ethylbenzene | ug/L | 20 | 17.9 | 89 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 20 | 17.9 | 90 | 72-125 | |
| Isopropylbenzene (Cumene) | ug/L | 20 | 17.8 | 89 | 75-125 | |
| m&p-Xylene | ug/L | 40 | 36.1 | 90 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 20 | 17.9 | 89 | 75-128 | |
| Methylene Chloride | ug/L | 20 | 17.5 | 87 | 75-125 | |
| n-Butylbenzene | ug/L | 20 | 17.9 | 89 | 75-125 | |
| n-Propylbenzene | ug/L | 20 | 18.3 | 91 | 75-125 | |
| Naphthalene | ug/L | 20 | 17.0 | 85 | 74-125 | |

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(612)607-1700

## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

LABORATORY CONTROL SAMPLE: 5234976

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| o-Xylene | ug/L | 20 | 17.8 | 89 | 75-125 | |
| p-Isopropyltoluene | ug/L | 20 | 18.3 | 91 | 75-125 | |
| sec-Butylbenzene | ug/L | 20 | 18.1 | 90 | 75-125 | |
| Styrene | ug/L | 20 | 18.1 | 91 | 75-125 | |
| tert-Butylbenzene | ug/L | 20 | 17.8 | 89 | 75-125 | |
| Tetrachloroethene | ug/L | 20 | 16.5 | 82 | 75-125 | |
| Tetrahydrofuran | ug/L | 100 | 89.1 | 89 | 75-125 | |
| Toluene | ug/L | 20 | 17.6 | 88 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 20 | 16.6 | 83 | 75-125 | |
| trans-1,3-Dichloropropene | ug/L | 20 | 18.6 | 93 | 75-125 | |
| Trichloroethene | ug/L | 20 | 18.9 | 95 | 68-140 | |
| Trichlorofluoromethane | ug/L | 20 | 17.6 | 88 | 75-125 | |
| Vinyl chloride | ug/L | 20 | 20.5 | 103 | 75-128 | |
| Xylene (Total) | ug/L | 60 | 53.8 | 90 | 75-125 | |
| 1,2-Dichlorobenzene-d4 (S) | %. | | | 100 | 75-125 | |
| 4-Bromofluorobenzene (S) | %. | | | 100 | 75-125 | |
| Toluene-d8 (S) | %. | | | 98 | 75-125 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5234977 5234978

| Parameter | Units | 10732242003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 20 | 20 | 16.4 | 16.0 | 82 | 80 | 73-125 | 2 | 30 | |
| 1,1,1-Trichloroethane | ug/L | ND | 20 | 20 | 17.2 | 16.4 | 86 | 82 | 68-131 | 4 | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 20 | 20 | 16.8 | 16.5 | 84 | 82 | 70-127 | 2 | 30 | |
| 1,1,2-Trichloroethane | ug/L | ND | 20 | 20 | 16.3 | 15.7 | 82 | 78 | 71-126 | 4 | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 20 | 20 | 17.6 | 16.6 | 88 | 83 | 30-150 | 6 | 30 | |
| 1,1-Dichloroethane | ug/L | ND | 20 | 20 | 17.1 | 16.2 | 85 | 81 | 69-125 | 5 | 30 | |
| 1,1-Dichloroethene | ug/L | ND | 20 | 20 | 16.6 | 16.1 | 83 | 81 | 38-150 | 3 | 30 | |
| 1,1-Dichloropropene | ug/L | ND | 20 | 20 | 17.1 | 16.1 | 86 | 80 | 75-127 | 6 | 30 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 20 | 20 | 16.2 | 15.3 | 81 | 76 | 67-125 | 6 | 30 | |
| 1,2,3-Trichloropropane | ug/L | ND | 20 | 20 | 16.5 | 15.4 | 82 | 77 | 66-125 | 7 | 30 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 20 | 20 | 15.8 | 15.0 | 79 | 75 | 68-125 | 6 | 30 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 20 | 20 | 17.0 | 15.9 | 85 | 80 | 72-125 | 6 | 30 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 20 | 20 | 17.3 | 17.3 | 86 | 86 | 63-125 | 0 | 30 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 20 | 20 | 17.0 | 16.4 | 85 | 82 | 73-125 | 4 | 30 | |
| 1,2-Dichlorobenzene | ug/L | ND | 20 | 20 | 16.1 | 15.4 | 81 | 77 | 70-125 | 5 | 30 | |
| 1,2-Dichloroethane | ug/L | ND | 20 | 20 | 17.1 | 16.5 | 85 | 82 | 69-130 | 4 | 30 | |
| 1,2-Dichloropropane | ug/L | ND | 20 | 20 | 16.5 | 15.4 | 82 | 77 | 75-125 | 7 | 30 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 20 | 20 | 17.3 | 16.1 | 86 | 80 | 72-125 | 7 | 30 | |
| 1,3-Dichlorobenzene | ug/L | ND | 20 | 20 | 16.5 | 15.5 | 82 | 78 | 72-125 | 6 | 30 | |
| 1,3-Dichloropropane | ug/L | ND | 20 | 20 | 16.3 | 15.9 | 81 | 79 | 74-125 | 3 | 30 | |
| 1,4-Dichlorobenzene | ug/L | ND | 20 | 20 | 16.3 | 15.4 | 81 | 77 | 67-125 | 6 | 30 | |
| 2,2-Dichloropropane | ug/L | ND | 20 | 20 | 16.3 | 15.2 | 82 | 76 | 57-125 | 7 | 30 | |

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Minneapolis, MN 55414
(612)607-1700

## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5234977 5234978

| Parameter | Units | 10732242003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-Butanone (MEK) | ug/L | ND | 100 | 100 | 96.7 | 93.3 | 97 | 93 | 62-136 | 4 | 30 | |
| 2-Chlorotoluene | ug/L | ND | 20 | 20 | 17.0 | 15.7 | 85 | 79 | 70-125 | 8 | 30 | |
| 4-Chlorotoluene | ug/L | ND | 20 | 20 | 16.8 | 15.8 | 84 | 79 | 70-125 | 6 | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 100 | 100 | 92.0 | 88.5 | 92 | 88 | 62-140 | 4 | 30 | |
| Acetone | ug/L | ND | 100 | 100 | 88.6 | 85.9 | 89 | 86 | 53-134 | 3 | 30 | |
| Allyl chloride | ug/L | ND | 20 | 20 | 16.9 | 16.3 | 84 | 81 | 61-129 | 4 | 30 | |
| Benzene | ug/L | ND | 20 | 20 | 17.6 | 16.2 | 88 | 81 | 72-125 | 8 | 30 | |
| Bromobenzene | ug/L | ND | 20 | 20 | 16.6 | 15.8 | 83 | 79 | 71-125 | 5 | 30 | |
| Bromochloromethane | ug/L | ND | 20 | 20 | 17.0 | 16.5 | 85 | 82 | 72-125 | 3 | 30 | |
| Bromodichloromethane | ug/L | ND | 20 | 20 | 17.0 | 16.4 | 85 | 82 | 73-125 | 3 | 30 | |
| Bromoform | ug/L | ND | 20 | 20 | 15.8 | 16.1 | 79 | 81 | 70-125 | 2 | 30 | |
| Bromomethane | ug/L | ND | 20 | 20 | 14.5 | 18.2 | 73 | 91 | 30-143 | 22 | 30 | |
| Carbon tetrachloride | ug/L | ND | 20 | 20 | 17.9 | 17.3 | 90 | 86 | 70-130 | 4 | 30 | |
| Chlorobenzene | ug/L | ND | 20 | 20 | 16.5 | 16.0 | 82 | 80 | 72-125 | 3 | 30 | |
| Chloroethane | ug/L | ND | 20 | 20 | 25.0 | 25.3 | 125 | 126 | 54-148 | 1 | 30 | |
| Chloroform | ug/L | ND | 20 | 20 | 17.2 | 16.4 | 86 | 82 | 69-125 | 5 | 30 | |
| Chloromethane | ug/L | ND | 20 | 20 | 21.8 | 21.6 | 109 | 108 | 48-144 | 1 | 30 | |
| cis-1,2-Dichloroethene | ug/L | ND | 20 | 20 | 17.1 | 16.3 | 85 | 81 | 46-138 | 5 | 30 | |
| cis-1,3-Dichloropropene | ug/L | ND | 20 | 20 | 16.8 | 16.2 | 84 | 81 | 70-125 | 4 | 30 | |
| Dibromochloromethane | ug/L | ND | 20 | 20 | 16.8 | 16.3 | 84 | 82 | 74-125 | 3 | 30 | |
| Dibromomethane | ug/L | ND | 20 | 20 | 16.0 | 15.9 | 80 | 80 | 72-125 | 0 | 30 | |
| Dichlorodifluoromethane | ug/L | ND | 20 | 20 | 23.5 | 23.5 | 117 | 118 | 44-150 | 0 | 30 | |
| Dichlorofluoromethane | ug/L | ND | 20 | 20 | 19.1 | 19.0 | 96 | 95 | 62-134 | 1 | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 20 | 20 | 17.4 | 16.7 | 87 | 83 | 68-133 | 4 | 30 | |
| Ethylbenzene | ug/L | ND | 20 | 20 | 17.3 | 16.3 | 86 | 81 | 73-125 | 6 | 30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 20 | 20 | 15.7 | 15.0 | 78 | 75 | 59-125 | 5 | 30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 20 | 20 | 17.0 | 16.3 | 85 | 81 | 74-125 | 4 | 30 | |
| m&p-Xylene | ug/L | ND | 40 | 40 | 34.3 | 32.3 | 86 | 81 | 70-125 | 6 | 30 | |
| Methyl-tert-butyl ether | ug/L | ND | 20 | 20 | 17.3 | 16.3 | 86 | 82 | 72-137 | 6 | 30 | |
| Methylene Chloride | ug/L | ND | 20 | 20 | 16.7 | 16.4 | 84 | 82 | 70-125 | 2 | 30 | |
| n-Butylbenzene | ug/L | ND | 20 | 20 | 16.5 | 15.5 | 83 | 78 | 62-125 | 6 | 30 | |
| n-Propylbenzene | ug/L | ND | 20 | 20 | 17.4 | 16.2 | 87 | 81 | 71-125 | 7 | 30 | |
| Naphthalene | ug/L | ND | 20 | 20 | 16.3 | 15.7 | 82 | 78 | 67-127 | 4 | 30 | |
| o-Xylene | ug/L | ND | 20 | 20 | 16.7 | 16.0 | 84 | 80 | 75-125 | 5 | 30 | |
| p-Isopropyltoluene | ug/L | ND | 20 | 20 | 17.0 | 16.0 | 85 | 80 | 71-125 | 6 | 30 | |
| sec-Butylbenzene | ug/L | ND | 20 | 20 | 17.4 | 16.3 | 87 | 82 | 72-125 | 6 | 30 | |
| Styrene | ug/L | ND | 20 | 20 | 17.2 | 16.4 | 86 | 82 | 72-125 | 5 | 30 | |
| tert-Butylbenzene | ug/L | ND | 20 | 20 | 16.9 | 16.0 | 84 | 80 | 73-125 | 6 | 30 | |
| Tetrachloroethene | ug/L | ND | 20 | 20 | 15.7 | 14.8 | 77 | 73 | 73-125 | 6 | 30 | |
| Tetrahydrofuran | ug/L | ND | 100 | 100 | 85.2 | 83.8 | 85 | 84 | 60-135 | 2 | 30 | |
| Toluene | ug/L | ND | 20 | 20 | 17.0 | 16.2 | 85 | 81 | 67-125 | 5 | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | 20 | 20 | 16.1 | 15.5 | 81 | 78 | 70-125 | 4 | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | 20 | 20 | 17.0 | 16.5 | 85 | 82 | 67-126 | 3 | 30 | |
| Trichloroethene | ug/L | ND | 20 | 20 | 17.8 | 17.0 | 89 | 85 | 30-150 | 4 | 30 | |

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Minneapolis, MN 55414
(612)607-1700

## QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5234977 5234978

| Parameter | Units | 10732242003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trichlorofluoromethane | ug/L | ND | 20 | 20 | 20.3 | 20.2 | 101 | 101 | 49-149 | 0 | 30 | |
| Vinyl chloride | ug/L | ND | 20 | 20 | 23.3 | 23.2 | 116 | 116 | 44-149 | 0 | 30 | |
| Xylene (Total) | ug/L | ND | 60 | 60 | 51.1 | 48.3 | 85 | 80 | 72-125 | 6 | 30 | |
| 1,2-Dichlorobenzene-d4 (S) | %. | | | | | | 101 | 100 | 75-125 | | | |
| 4-Bromofluorobenzene (S) | %. | | | | | | 99 | 100 | 75-125 | | | |
| Toluene-d8 (S) | %. | | | | | | 99 | 99 | 75-125 | | | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 933255
QC Batch Method: EPA 3546
Analysis Method: OA2
Analysis Description: OA2 GCS
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 10732183001, 10732183002, 10732183003, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

METHOD BLANK: 3697388 Matrix: Solid
Associated Lab Samples: 10732183001, 10732183002, 10732183003, 10732183004, 10732183005, 10732183006, 10732183007, 10732183008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Total Petroleum Hydrocarbons | mg/kg | ND | 9.7 | 04/29/25 18:19 | |
| n-Tetracosane (S) | % | 82 | 10-154 | 04/29/25 18:19 | |
| p-Terphenyl (S) | % | 97 | 55-128 | 04/29/25 18:19 | |

LABORATORY CONTROL SAMPLE: 3697389

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Total Petroleum Hydrocarbons | mg/kg | 81.4 | 67.7 | 83 | 72-123 | |
| n-Tetracosane (S) | % | | | 82 | 10-154 | |
| p-Terphenyl (S) | % | | | 96 | 55-128 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3697390 3697391

| Parameter | Units | 10732183001 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 | 160 | 158 | 143 | 129 | 87 | 79 | 60-140 | 11 | 23 | |
| n-Tetracosane (S) | % | | | | | | 83 | 75 | 10-154 | | | |
| p-Terphenyl (S) | % | | | | | | 91 | 85 | 55-128 | | | |

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# QUALITY CONTROL DATA

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

QC Batch: 933450 Analysis Method: OA2
QC Batch Method: OA2 Analysis Description: OA2 GCS
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 10732183010, 10732183011, 10732183012, 10732183013, 10732183014

METHOD BLANK: 3698199 Matrix: Water
Associated Lab Samples: 10732183010, 10732183011, 10732183012, 10732183013, 10732183014

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Total Petroleum Hydrocarbons | mg/L | ND | 0.40 | 04/30/25 19:01 | |
| n-Tetracosane (S) | % | 59 | 30-110 | 04/30/25 19:01 | |
| p-Terphenyl (S) | % | 81 | 30-115 | 04/30/25 19:01 | |

LABORATORY CONTROL SAMPLE: 3698200

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Total Petroleum Hydrocarbons | mg/L | 12.5 | 8.0 | 64 | 25-110 | |
| n-Tetracosane (S) | % | | | 73 | 30-110 | |
| p-Terphenyl (S) | % | | | 91 | 30-115 | |

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(612)607-1700

# QUALIFIERS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

## 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: 10732183

[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.

## SAMPLE QUALIFIERS

Sample: 10732183010

[1] Volatile Organic Compounds (GC) by Method 8021/OA1 - Elevated RL due to foamy matrix

## BATCH QUALIFIERS

Batch: 1003377

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

Batch: 1003650

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

Batch: 1003845

[1] The continuing calibration verification was above the method acceptance limit for chloroethane. Any detection for the analyte in the associated samples may have a high bias.

## ANALYTE QUALIFIERS

G3 Analyzed from headspace vial.

## REPORT OF LABORATORY ANALYSIS

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

# QUALIFIERS

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

## ANALYTE QUALIFIERS

| | |
|---|---|
| HS | Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter). |
| L0 | Analyte recovery in the laboratory control sample (LCS) was outside QC limits. |
| 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. |
| S4 | Surrogate recovery not evaluated against control limits due to sample dilution. |
| pH | Post-analysis pH measurement indicates insufficient VOA sample preservation. |



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

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **10732183001** | **P-1 (2-4)** | EPA 3546 | 933255 | OA2 | 933374 |
| **10732183002** | **P-1 (6-7)** | EPA 3546 | 933255 | OA2 | 933374 |
| **10732183003** | **P-2 (8-10)** | EPA 3546 | 933255 | OA2 | 933374 |
| **10732183004** | **P-2 (10-12)** | EPA 3546 | 933255 | OA2 | 933374 |
| **10732183005** | **P-3 (2-4)** | EPA 3546 | 933255 | OA2 | 933374 |
| **10732183006** | **P-4 (2-4)** | EPA 3546 | 933255 | OA2 | 933374 |
| **10732183007** | **P-5 (2-4)** | EPA 3546 | 933255 | OA2 | 933374 |
| **10732183008** | **P-6 (6-8)** | EPA 3546 | 933255 | OA2 | 933374 |
| **10732183010** | **P-2** | OA2 | 933450 | OA2 | 933539 |
| **10732183011** | **P-3** | OA2 | 933450 | OA2 | 933539 |
| **10732183012** | **P-4** | OA2 | 933450 | OA2 | 933539 |
| **10732183013** | **P-5** | OA2 | 933450 | OA2 | 933539 |
| **10732183014** | **P-6** | OA2 | 933450 | OA2 | 933539 |
| **10732183010** | **P-2** | 8021/OA1 | 2508736 | OA1 | 2508736 |
| **10732183011** | **P-3** | 8021/OA1 | 2507005 | OA1 | 2507005 |
| **10732183012** | **P-4** | 8021/OA1 | 2507005 | OA1 | 2507005 |
| **10732183013** | **P-5** | 8021/OA1 | 2507005 | OA1 | 2507005 |
| **10732183014** | **P-6** | 8021/OA1 | 2507005 | OA1 | 2507005 |
| **10732183001** | **P-1 (2-4)** | 8021/OA1 | 2504339 | OA1 | 2504339 |
| **10732183002** | **P-1 (6-7)** | 8021/OA1 | 2504339 | OA1 | 2504339 |
| **10732183003** | **P-2 (8-10)** | 8021/OA1 | 2507566 | OA1 | 2507566 |
| **10732183004** | **P-2 (10-12)** | 8021/OA1 | 2504339 | OA1 | 2504339 |
| **10732183005** | **P-3 (2-4)** | 8021/OA1 | 2504339 | OA1 | 2504339 |
| **10732183006** | **P-4 (2-4)** | 8021/OA1 | 2504339 | OA1 | 2504339 |
| **10732183007** | **P-5 (2-4)** | 8021/OA1 | 2504339 | OA1 | 2504339 |
| **10732183008** | **P-6 (6-8)** | 8021/OA1 | 2504339 | OA1 | 2504339 |
| **10732183001** | **P-1 (2-4)** | ASTM D2974 | 1004048 | | |
| **10732183002** | **P-1 (6-7)** | ASTM D2974 | 1004048 | | |
| **10732183003** | **P-2 (8-10)** | ASTM D2974 | 1004048 | | |
| **10732183004** | **P-2 (10-12)** | ASTM D2974 | 1004048 | | |
| **10732183005** | **P-3 (2-4)** | ASTM D2974 | 1004048 | | |
| **10732183006** | **P-4 (2-4)** | ASTM D2974 | 1004048 | | |
| **10732183007** | **P-5 (2-4)** | ASTM D2974 | 1004048 | | |
| **10732183008** | **P-6 (6-8)** | ASTM D2974 | 1004048 | | |
| **10732183015** | **Trip Blank** | 8260D | 2508688 | EPA 8260D | 2508688 |
| **10732183001** | **P-1 (2-4)** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |
| **10732183002** | **P-1 (6-7)** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |
| **10732183003** | **P-2 (8-10)** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |
| **10732183004** | **P-2 (10-12)** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |
| **10732183005** | **P-3 (2-4)** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |
| **10732183006** | **P-4 (2-4)** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |
| **10732183007** | **P-5 (2-4)** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |
| **10732183008** | **P-6 (6-8)** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |
| **10732183009** | **Trip Blank** | EPA 5035/5030B | 1003372 | EPA 8260D | 1003650 |

## REPORT OF LABORATORY ANALYSIS

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

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Custer - 16.0063603.01
Pace Project No.: 10732183

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **10732183010** | **P-2** | EPA 8260D | 1003845 | | |
| **10732183011** | **P-3** | EPA 8260D | 1003845 | | |
| **10732183012** | **P-4** | EPA 8260D | 1003845 | | |
| **10732183013** | **P-5** | EPA 8260D | 1003845 | | |
| **10732183014** | **P-6** | EPA 8260D | 1003845 | | |
| **10732183015** | **Trip Blank** | EPA 8260D | 1003377 | | |



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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# : 10732183**

10732183

| | | | |
|---|---|---|---|
| Company Name: | GZA GeoEnvironmental | Contact/Report To: | Aaron Remer |
| Street Address: | 7505 Metro Blvd<br>Suite 300<br>Edina, MN 55439 | Phone #: | 952 595-5312 |
| | | E-Mail: | aaron.remer@gza.com |
| | | Cc E-Mail: | |
| Customer Project #: | | | |
| Project Name: | Custer - 16.0063603.01 | 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

**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 3251297

Preservation non-conformance identified for sample.

| 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 | Moisture | OA-1 | OA-2 | Trip Blank | Trip Blank - OA-1 | VOCs by 8260 | Sample Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P-1 (2-4) | S | G | 4/23/25 | 9:50 | 4/23/25 | 9:50 | 6 | | | X | X | X | | | X | 001 |
| P-1 (6-7 | S | G | | 10:00 | | 10:00 | 6 | | | X | X | X | | | X | 002 |
| P-2 (8-10) | S | G | | 11:45 | | 11:45 | 6 | | | X | X | X | | | X | 003 |
| P-2 (10-12) | S | G | | 12:05 | | 12:45 | 6 | | | X | X | X | | | X | only analyze if P-2 GW can't be analyzed. 004 |
| P-3 (2-4) | S | G | | 11:25 | | 11:25 | 6 | | | X | X | X | | | X | 005 |
| P-4 (2-4) | S | G | | 12:20 | | 12:20 | 6 | | | X | X | X | | | X | 006 |
| P-5 (2-4) | | | | 13:15 | | 13:15 | 6 | | | X | X | X | | | X | 007 |
| P-6 (6-8) | S | G | ↓ | 13:50 | ↓ | 13:50 | 6 | | | X | X | X | | | X | 008 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

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: |
|---|---|---|---|---|---|
| 1 | T1 | +0.3 | 0.4 | 0.7 | Y |

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | Tracking Number: |
|---|---|---|---|---|
| Mark Woog / GZA | 4.23.25 / 16:05 | (Pace) | 4/24/25 8:50 | |
| 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 2 |

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:** OGM 4/24/25 **PROJECT #:** **WO#: 10732183**

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 3741 ☐ See Exceptions form ENV-FRM-MIN4-0142.
**Courier:** ☐ Client ☐ Commercial ☒ FedEx ☐ Pace Courier/Field ☐ SpeeDee ☐ UPS ☐ USPS

**Packing Material:** ☐ Bubble Bags ☒ Bubble Wrap ☐ None ☐ Other: _____ **Biological Tissue Frozen:** ☐ YES ☒ NO

**Thermometer:** ☐ T1 (0461) ☐ T2 (0431) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0187) ☐ T6 (0396) ☒ T7 (0377) ☐ T8 (0775) ☐ T9 (0428) ☐ 01339252 (0710)
**Type of Ice:** ☐ Blue ☐ Dry ☐ Wet ☒ Melted ☐ None
**Temp Blank:** ☒ YES ☐ NO

*NOTE: Temp should be ≤ 6°C, but above freezing.*
**Read Temp w/Temp Blank:** 0.4 °C
**Correction Factor:** +0.3
**Corrected Temp w/Temp Blank:** 0.7 °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. No trip blank listed ☐ 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. Pace Trip Blank Lot # (if purchased): 012725-3 |
| Trip Blank Custody Seals Present? | ☒ | ☐ | ☐ | |

**CLIENT NOTIFICATION / RESOLUTION:** **Labeled By:** MW2 **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.*

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# : 10732224** SH1 4/28/25

10732224

| | | | |
|---|---|---|---|
| Company Name: | GZA GeoEnvironmental | Contact/Report To: | Aaron Remer |
| Street Address: | 7505 Metro Blvd<br>Suite 300<br>Edina, MN 55439 | Phone #: | 952 595-5312 |
| | | E-Mail: | aaron.remer@gza.com |
| | | Cc E-Mail: | |
| Customer Project #: | | | |
| Project Name: | Custer - 16.0063603.01 | 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<br>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)

**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 3251297

Preservation non-conformance identified for sample.

| 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 | Moisture | OA-1 | OA-2 | Trip Blank | Trip Blank - OA-1 | VOCs by 8260 | Sample Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P-2 | W | G | 4/23/25 | 10:18 | 4/23/25 | | 8 | | | | X | X | | | X | May contain free product .001 If not able to analyze, run P-2 (10-12) SS. |
| P-3 | W | | | 11:15 | | | 8 | | | | X | X | | | X | 002 |
| P-4 | W | | | 11:55 | | | 8 | | | | X | X | | | X | 003 |
| P-5 | W | | | 12:40 | | | 8 | | | | X | X | | | X | 004 |
| P-6 | W | | | 13:35 | | | 8 | | | | X | X | | | X | 005 |

Additional Instructions from Pace®:

Collected By: (Printed Name) Taylor Sewell

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

| # Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C) | Corrected Temp. (°C) | Onice: |
|---|---|---|---|---|---|
| 1 | T0 | TMC | 3.2 | 3.2 | Y |

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
|---|---|---|---|
| GZA | 4.23.25/16:05 | | 4/24/25 850 |
| | | | |
| | | | |
| | | | |

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other



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10732183

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

SH1 4/28/25

**Person Examining & Date:** JMW 4/25/25 **PROJECT #:** WO#: 10732224

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 3130 ☐ See Exceptions form ENV-FRM-MIN4-0142.

**Courier:** ☐ Client ☐ Commercial ☑ FedEx ☐ Pace Courier/Field ☐ SpeeDee ☐ UPS ☐ USPS

**Packing Material:** ☑ Bubble Bags ☑ Bubble Wrap ☐ None ☐ Other: _____ **Biological Tissue Frozen:** ☐ YES ☑ NO

**Thermometer:** ☐ T1 (0461) ☐ T2 (0431) ☐ T3 (0459) ☐ T4 (0402) **Type of Ice:** ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None
☐ T5 (0187) ☐ T6 (0396) ☐ T7 (0377) ☐ T8 (0775)
☑ T9 (0428) ☐ 01339252 (0710) **Temp Blank:** ☑ YES ☐ NO

***NOTE:** Temp should be ≤ 6°C, but above freezing*

**Read Temp w/Temp Blank:** 3.2 °C

**Correction Factor:** True

**Corrected Temp w/Temp Blank:** 3.7 °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?<br>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?<br>– Pace Containers Used? | ☑<br>☑ | ☐<br>☐ | ☐ | 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.)**<br>Matrix: ☐ Oil ☐ Soil ☑ Water ☐ Other | ☑ | ☐ | ☐ | 11. ☐ See Exceptions form ENV-FRM-MIN4-0142 |
| All containers needing acid/base preservation have been checked? | ☐ | ☐ | ☑ | 12. |
| **Sample #:**<br>☐ HNO3 _____ ☐ H2SO4 _____ ☐ NaOH _____ ☐ Zinc Acetate _____<br>**pH Paper Lot #:**<br>☐ Residual Chlorine _____ ☐ 0-6 Roll _____ ☐ 0-6 Strip _____ ☐ 0-14 Strip _____<br>**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)<br>**EXCECTIONS (water only):** VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS | ☐<br>☑ | ☐<br>☐ | ☑<br>☐ | ☐ 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. HCL; 4 |
| Trip Blank Custody Seals Present? | ☑ | ☐ | ☐ | Pace Trip Blank Lot # (if purchased): 504625 |

**CLIENT NOTIFICATION / RESOLUTION:**

**Labeled By:** JMW **Line:** 3

**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.*

# ENV-FRM-MIN4-0140 v03_Sample Condition Upon Receipt - Headspace

| Sample ID | Headspace > 6 mm | Headspace < 6 mm | No Headspace | Total Vials | Sediment Present? |
|---|---|---|---|---|---|
| P-2 | 3 | 2 | 1 | 6 | Yes |
| P-3 | 5 | 0 | 1 | 6 | Yes |
| P-4 | 2 | 0 | 4 | 6 | Yes |
| P-5 | 5 | 1 | 0 | 6 | Yes |
| P-6 | 3 | 0 | 3 | 6 | Yes |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Initials & Date: _____

# Internal Transfer Chain of Custody

G026

Pace

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

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

**Workorder:** 10732183 **Workorder Name:** Custer - 16.0063603.01

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

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

L1852024

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers: VG9M Unpreserved | OA1 as TPH Gas | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|
| 1 | P-1 (2-4) | PS | 4/23/2025 09:50 | 10732183001 | Solid | 1 | X | 01 |
| 2 | P-1 (6-7) | PS | 4/23/2025 10:00 | 10732183002 | Solid | 1 | X | 02 |
| 3 | P-2 (8-10) | PS | 4/23/2025 11:45 | 10732183003 | Solid | 1 | X | 03 |
| 4 | P-2 (10-12) | PS | 4/23/2025 12:45 | 10732183004 | Solid | 1 | X | 04 |
| 5 | P-3 (2-4) | PS | 4/23/2025 11:25 | 10732183005 | Solid | 1 | X | 05 |
| 6 | P-4 (2-4) | PS | 4/23/2025 12:20 | 10732183006 | Solid | 1 | X | 06 |
| 7 | P-5 (2-4) | PS | 4/23/2025 03:15 | 10732183007 | Solid | 1 | X | 07 |
| 8 | P-6 (6-8) | PS | 4/23/2025 13:50 | 10732183008 | Solid | 1 | X | 08 |

| Transfers | Released By | Date/Time | Received By | Date/Time |
|---|---|---|---|---|
| 1 | [illegible] Pace | 4/25/25 14:30 | [illegible] | 4/25/25 8:45 |
| 2 | | | | |
| 3 | | | | |

**Comments**

| 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

42435570 4315

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 | | |
| RA Screen <0.5 mR/hr: | ✓Y N | Condition: ✓NCF OK | |

TCA9 1.0+0.4=1.4

# Internal Transfer Chain of Custody

K189

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MN
Cert. Needed: ☒ Yes ☐ No
Owner Received Date: 4/24/2025 Results Requested By: 5/9/2025

Workorder: 10732183 Workorder Name: Custer - 16.0063603.01

L1852826

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

VG9M 2

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers: HCL | Preserved Containers: Unpreserved | OA1 as TPH Gas | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|
| 1 | P-1 (2-4) | PS | 4/23/2025 09:50 | 10732183001 | Solid | | 1 | X | |
| 2 | P-1 (6-7) | PS | 4/23/2025 10:00 | 10732183002 | Solid | | 1 | X | |
| 3 | P-2 (8-10) | PS | 4/23/2025 11:45 | 10732183003 | Solid | | 1 | X | |
| 4 | P-2 (10-12) | PS | 4/23/2025 12:45 | 10732183004 | Solid | | 1 | X | |
| 5 | P-3 (2-4) | PS | 4/23/2025 11:25 | 10732183005 | Solid | | 1 | X | |
| 6 | P-4 (2-4) | PS | 4/23/2025 12:20 | 10732183006 | Solid | | 1 | X | |
| 7 | P-5 (2-4) | PS | 4/23/2025 13:15 | 10732183007 | Solid | | 1 | X | |
| 8 | P-6 (6-8) | PS | 4/23/2025 13:50 | 10732183008 | Solid | | 1 | X | |
| 9 | P-2 | PS | 4/23/2025 10:18 | 10732183010 | Water | | 1 | X | 09 |
| 10 | P-3 | PS | 4/23/2025 11:15 | 10732183011 | Water | | 1 | X | 10 |
| 11 | P-4 | PS | 4/23/2025 11:55 | 10732183012 | Water | | 1 | X | 11 |
| 12 | P-5 | PS | 4/23/2025 12:40 | 10732183013 | Water | | 1 | X | 12 |
| 13 | P-6 | PS | 4/23/2025 13:35 | 10732183014 | Water | | 1 | X | 13 |
| 14 | Trip Blank | PS | 4/23/2025 00:00 | 10732183015 | Water | 1 | | X | |

0 ED 5/1/25 0900

| | | | | | Comments |
|---|---|---|---|---|---|
| Transfers | Released By | Date/Time | Received By | Date/Time | Water samples only 009-014 the rest already received |
| 1 | [illegible] | 4/30/25 1930 | Easton Dynn | 5/1/25 0400 | |
| 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.

L1855226

**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:**

Custer Dakota Mart
800 Mount Rushmore Rd
Custer SD 55730

Ph. Fx.

**Work Order #:**

**Testing Date:** 06-03-2025

| | | | | |
|---|---|---|---|---|
| **Sump #** | 1 | 2 | 3 | 4 |
| **Product** | Unleaded | E10 | Pre | Diesel |
| **Leak Detection Type** | VR | VR | VR | VR |
| **Model #** | PLLD | PLLD | PLLD | PLLD |
| **Opening Time** | | | | |
| **Operating Pressure** | 28.00 | 29.00 | 28.00 | 30.00 |
| **Check Valve Pressure** | 19.00 | 17.00 | 19.00 | 19.00 |
| **Meter Pressure** | | | | |
| **3.0 GPH Leak Detected** | Pass | Pass | Pass | Pass |

**Notes**

**Technician** Jeff Hein

**Technician Signature:** _____ **Date:** 06-03-2025

# 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:**

Custer Dakota Mart
800 Mount Rushmore Rd
Custer SD 55730

Ph. Fx.

**Work Order #:**

**Testing Date:** 06-03-2025

Line Testing Manufacturer: Estabrooks

| Sump # | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Product | Unleaded | E10 | Pre | Diesel |
| Isolation Pump | Ball Valve | Ball Valve | Ball Valve | Ball Valve |
| Isolation Dispenser | Shear Valve | Shear Valve | Shear Valve | Shear Valve |
| Test Pressure | 42.00 | 43.50 | 42.00 | 45.00 |
| Start Time | 09:00 (-6 GMT) | 09:30 (-6 GMT) | 10:00 (-6 GMT) | 10:30 (-6 GMT) |
| End Time | 09:30 (-6 GMT) | 10:00 (-6 GMT) | 10:30 (-6 GMT) | 11:00 (-6 GMT) |
| Start Volume | 0.018 | 0.027 | 0.027 | 0.037 |
| End Volume | 0.016 | 0.026 | 0.024 | 0.035 |
| Test Time | 30 min. | 30 min. | 30 min. | 30 min. |
| Leak Rate | -0.002 | -0.001 | -0.003 | -0.002 |
| GPH Leak Rate | -0.004 | -0.002 | -0.006 | -0.004 |
| Pass/Fail | Pass | Pass | Pass | Pass |

**Notes**

**Technician** Jeff Hein

**Technician Signature:** _____ **Date:** 06-03-2025

# 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: Custer Dakotamart

Facility address: 800 Mount Rushmore Rd  Facility ID#:

City: Custer  State: SD  Zip code: 55730

Owner name:

Mailing address:

City:  State:  Zip code:

Phone:  Fax:  Email:

## Testing information

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. Tank number | 1 | 2 | 3 | 4 | | |
| 2. Product stored | Unl | E10 | Pre | DSL | | |
| 3. Tank volume, gallons | 8039 | 11897 | 7002 | 8430 | | |
| 4. Tank diameter, inches | 119 | 119 | 119 | 119 | | |
| 5. ATG brand and model | VR-TLS450 Plus | VR-TLS450 Plus | VR-TLS45 0Plus | VR-TLS450 Plus | | |
| 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. | 97 | 98 | 98 | 98 | | |
| 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 | | |
| 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): 6/3/2025  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: Custer Dakotamart

Facility address: 800 Mount Rushmore Rd  Facility ID#:

City: Custer  State: SD  Zip code: 55730

Owner name:

Mailing address:

City:  State:  Zip code:

Phone:  Fax:  Email:

## Testing information

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. Product stored | Unl | E10 | Pre | DSL | Unl-E10 | Pre/DSL |
| 2. Sensor type* | Float | Float | Float | Float | Float | Float |
| 2. Sensor location** | ☐ Tank<br>☒ Piping<br>☐ Dispenser<br>☐ DW sump<br>or spill bucket | ☐ Tank<br>☒ Piping<br>☐ Dispenser<br>☐ DW sump<br>or spill bucket | ☐ Tank<br>☒ Piping<br>☐ Dispenser<br>☐ DW sump<br>or spill bucket | ☐ Tank<br>☒ Piping<br>☐ Dispenser<br>☐ DW sump<br>or spill bucket | ☒ Tank<br>☐ Piping<br>☐ Dispenser<br>☐ DW sump<br>or spill bucket | ☒ Tank<br>☐ Piping<br>☐ Dispenser<br>☐ DW sump<br>or spill bucket |
| 3. Test liquid | ☒ Water<br>☐ Product | ☒ Water<br>☐ Product | ☒ Water<br>☐ Product | ☒ Water<br>☐ Product | ☒ Water<br>☐ Product | ☒ Water<br>☐ 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): 6/3/2025  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: Custer Dakotamart

Facility address: 800 Mount Rushmore Rd  Facility ID#:

City: Custer  State: SD  Zip code: 55730

Owner name:

Mailing address:

City:  State:  Zip code:

Phone:  Fax:  Email:

## Testing information

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. Product stored | Unl-E10-Pre-DSL | Unl-E10-Pre-DSL | Unl-E10-Pre-DSL | | | |
| 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): 6/3/2025  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: Custer Dakotamart

Facility address: 800 Mount Rushmore Rd  Facility ID#:

City: Custer  State: SD  Zip code: 55730

Owner name:

Mailing address:

City:  State:  Zip code:

Phone:  Fax:  Email:

## Testing information

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. Tank number | 1 | 2 | 3 | 4 | | |
| 2. Product stored | Unl | E-10 | Pre | DSL | | |
| 3. Tank volume, gallons | 8039 | 11897 | 7002 | 8430 | | |
| 4. Tank diameter, inches | 119 | 119 | 119 | 119 | | |
| 5. Overfill device brand | EMCO | EMCO | EMCO | EMCO | | |
| 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): 6/3/2025  Tester's signature: Jon Bendorf

# 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: Custer Dakotamart

Facility address: 800 Mount Rushmore Rd  Facility ID#:

City: Custer  State: SD  Zip code: 55730

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 | | | |
| 2. Dispenser ID# | 1/2 | 3/4 | 5/6 | | | |
| 3. Shear valve brand and model | 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): 6/2/2025  Tester's signature: Jon Bendorf

# 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: Custer Dakotamart

Facility address: 800 Mount Rushmore Rd  Facility ID#:

City: Custer  State: SD  Zip code: 55730

Owner name:

Mailing address:

City:  State:  Zip code:

Phone:  Fax:  Email:

## Testing information

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. Tank number | 1 | 2 | 3 | 4 | | |
| 2. Product stored | UNL | E10 | PRE | DSL | | |
| 3. Tank volume, gallons | 8039 | 11897 | 7002 | 8430 | | |
| 4. Dispenser ID# | 1-2,3-4,5-6 | 1-2,3-4,5-6 | 1-2,3-4,5-6 | 1-2,3-4,5-6 | | |
| 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): 6/3/2025  Tester's signature: Jon Bendorf

# PRESSURE CALCULATION & WATER SENSOR CALIBRATION

Systems & Training for the Petroleum Industry

## FINAL REPORT

Test Date: June 3rd, 2025

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

| | | | |
|---|---|---|---|
| | | Location | Custer Dakotamart |
| | | Address | 800 Mount Rushmore Rd |
| TOTAL TANK VOL. | 8039 | City/State/Zip | Custer, SD 55730 |
| PRODUCT VOL. | 2072 | Location Contact | |
| ULLAGE VOL. | 5967 | Location Phone | |
| PRODUCT TYPE | GAS | | |
| PBS # (NEW YORK) | | Depth of Groundwater Determined: | |
| TANK # | TANK-1 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

Systems & Training for the Petroleum Industry

## DATA SHEET

Test Date: June 3rd, 2025

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

| | | | |
|---|---|---|---|
| TOTAL TANK VOL. | 8039 | Location | Custer Dakotamart |
| PRODUCT VOL. | 2072 | Address | 800 Mount Rushmore Rd |
| ULLAGE VOL. | 5967 | City/State/Zip | Custer, SD 55730 |
| PRODUCT TYPE | GAS | Location Contact | |
| PBS # (NEW YORK) | | Location Phone | |
| TANK # | TANK-1 Unl | Depth of Groundwater Determined: | |
| | | By: | Groundwater Locating Probe |
| | | Where: | Tank Pit |

## PRESSURE SENSOR CALCULATION

| | | | | | |
|---|---|---|---|---|---|
| 36.0 | x | 0.026 | | 0.936 | PSI (1) |
| INCHES OF PRODUCT | | WEIGHT OF PRODUCT | | | |
| 0.0 | x | .036 | | 0.000 | PSI (2) |
| INCHES OF WATER IN TANK | | | | | |
| Line 1 + Line 2 = Total Positive Head Pressure In Tank | | | = | 0.936 | PSI (3) |
| 0.0 | x | .036 | | 0.000 | PSI (4) |
| INCHES OF WATER OUTSIDE TANK | | | | | |
| Total Head Pressure Minus Outside Water Pressure | | | = | 0.936 | +/-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 | | | = | 1.436 | +/-PSI (7) |

## ACOUSTIC TEST TIME

| | Time | Pressure |
|---|---|---|
| Baseline Background: | 10:07 AM | 0.0 |
| Blower Started: | 10:10 AM | 0.0 |
| Test Pressure Reached: | 10:25 AM | 1.500 |
| Blower Turned Off: | 10:30 AM | 1.500 |
| Test Began: | 10:30 AM | 1.500 |
| Test Ended: | 10:34 AM | 1.462 |

## 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: | | | |

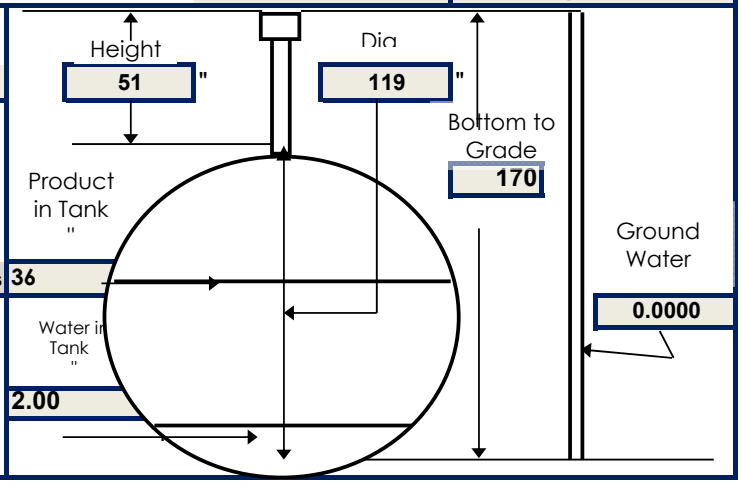
**Calculation for Test Period:**

| | | | | | | |
|---|---|---|---|---|---|---|
| 50 | ÷ 3780 = | 0.013 | #### | 0.265 | x 60 = | 16 minutes |
| Avg. Cal. | | "A" Factor | | | 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 3rd, 2025*

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

| | | | |
|---|---|---|---|
| | | **Location** | **Custer Dakotamart** |
| | | **Address** | **800 Mount Rushmore Rd** |
| **TOTAL TANK VOL.** | **11897** | **City/State/Zip** | **Custer, SD 55730** |
| **PRODUCT VOL.** | **6186** | **Location Contact** | |
| **ULLAGE VOL.** | **5711** | **Location Phone** | |
| **PRODUCT TYPE** | **GAS** | | |
| **PBS # (NEW YORK)** | | **Depth of Groundwater Determined:** | |
| **TANK #** | **TANK-2 E10** | **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 3rd, 2025

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

| | | | |
|---|---|---|---|
| TOTAL TANK VOL. | 11897 | Location | Custer Dakotamart |
| PRODUCT VOL. | 6186 | Address | 800 Mount Rushmore Rd |
| ULLAGE VOL. | 5711 | City/State/Zip | Custer, SD 55730 |
| PRODUCT TYPE | GAS | Location Contact | |
| PBS # (NEW YORK) | | Location Phone | |
| TANK # | TANK-2 E10 | Depth of Groundwater Determined: | |
| | | By: | Groundwater Locating Probe |
| | | Where: | Tank Pit |

## PRESSURE SENSOR CALCULATION

| | | | | |
|---|---|---|---|---|
| 61.0 INCHES OF PRODUCT | x | 0.026 WEIGHT OF PRODUCT | 1.586 | 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 | | = | 1.586 | PSI (3) |
| 0.0 INCHES OF WATER OUTSIDE TANK | x | .036 | 0.000 | PSI (4) |
| Total Head Pressure Minus Outside Water Pressure | | = | 1.586 | +/-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 | | = | 2.086 | +/-PSI (7) |

## ACOUSTIC TEST TIME

| | Time | Pressure |
|---|---|---|
| Baseline Background: | 10:56 AM | 0.0 |
| Blower Started: | 10:59 AM | 0.0 |
| Test Pressure Reached: | 11:15 AM | 2.150 |
| Blower Turned Off: | 11:20 AM | 2.150 |
| Test Began: | 11:20 AM | 2.150 |
| Test Ended: | 11:24 AM | 2.117 |

## 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: | | | |

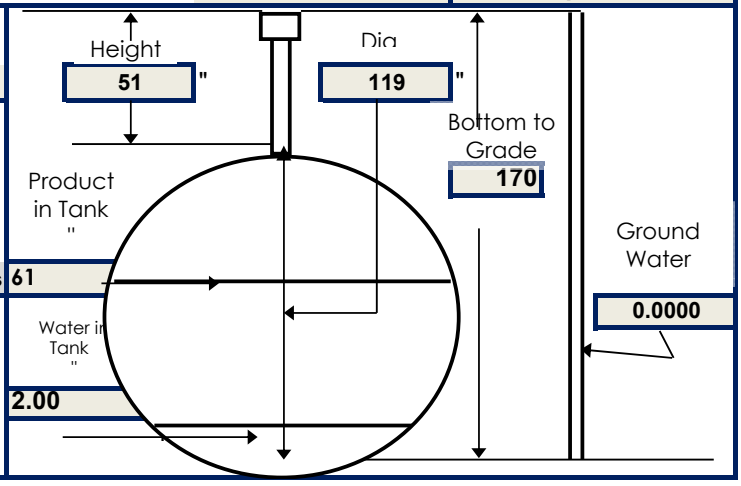
**Calculation for Test Period:**

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

## FINAL REPORT

Systems & Training for the Petroleum Industry

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

| | |
|---|---|
| Test Date | *June 3rd, 2025* |
| Location | Custer Dakotamart |
| Address | 800 Mount Rushmore Rd |
| City/State/Zip | Custer, SD 55730 |
| Location Contact | |
| Location Phone | |

| | |
|---|---|
| TOTAL TANK VOL. | 7002 |
| PRODUCT VOL. | 2055 |
| ULLAGE VOL. | 4947 |
| PRODUCT TYPE | GAS |
| PBS # (NEW YORK) | |
| TANK # | TANK-3 PRE |

**Depth of Groundwater Determined:**

| | |
|---|---|
| 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

Test Date: June 3rd, 2025

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

| | | | |
|---|---|---|---|
| TOTAL TANK VOL. | 7002 | Location | Custer Dakotamart |
| PRODUCT VOL. | 2055 | Address | 800 Mount Rushmore Rd |
| ULLAGE VOL. | 4947 | City/State/Zip | Custer, SD 55730 |
| PRODUCT TYPE | GAS | Location Contact | |
| PBS # (NEW YORK) | | Location Phone | |
| TANK # | TANK-3 PRE | Depth of Groundwater Determined: | |
| | | By: | Groundwater Locating Probe |
| | | Where: | Tank Pit |

## PRESSURE SENSOR CALCULATION

| | | | | |
|---|---|---|---|---|
| 39.0 INCHES OF PRODUCT | x | 0.026 WEIGHT OF PRODUCT | 1.404 | 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 | | | = 1.404 | PSI (3) |
| 0.0 INCHES OF WATER OUTSIDE TANK | x | .036 | 0.000 | PSI (4) |
| Total Head Pressure Minus Outside Water Pressure | | | = 1.404 | +/-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 | | | = 1.904 | +/-PSI (7) |

## ACOUSTIC TEST TIME

| | Time | Pressure |
|---|---|---|
| Baseline Background: | 9:00 AM | 0.0 |
| Blower Started: | 9:03 AM | 0.0 |
| Test Pressure Reached: | 9:17 AM | 1.950 |
| Blower Turned Off: | 9:22 AM | 1.950 |
| Test Began: | 9:22 AM | 1.950 |
| Test Ended: | 9:26 AM | 1.887 |

## 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: | | | |

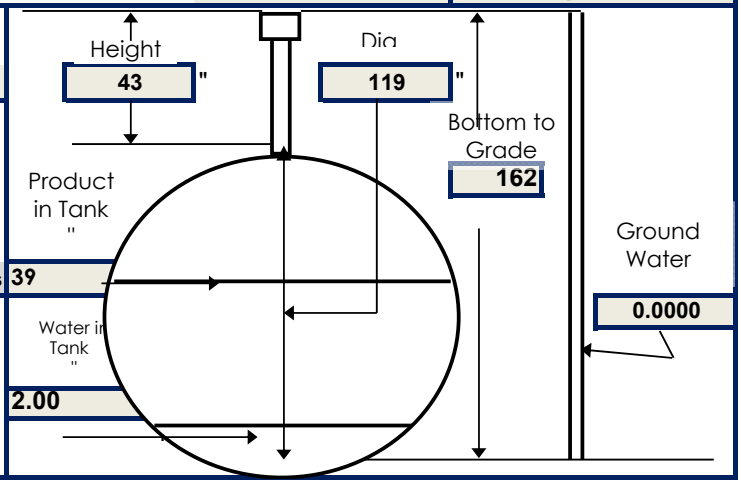
**Calculation for Test Period:**

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 3rd, 2025* |

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

| | | | |
|---|---|---|---|
| | | Location | Custer Dakotamart |
| | | Address | 800 Mount Rushmore Rd |
| TOTAL TANK VOL. | 8430 | City/State/Zip | Custer, SD 55730 |
| PRODUCT VOL. | 1947 | Location Contact | |
| ULLAGE VOL. | 6483 | Location Phone | |
| PRODUCT TYPE | DSL | | |
| PBS # (NEW YORK) | | Depth of Groundwater Determined: | |
| TANK # | TANK-4 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

## DATA SHEET

Test Date: June 3rd, 2025

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

| | | | |
|---|---|---|---|
| TOTAL TANK VOL. | 8430 | Location | Custer Dakotamart |
| PRODUCT VOL. | 1947 | Address | 800 Mount Rushmore Rd |
| ULLAGE VOL. | 6483 | City/State/Zip | Custer, SD 55730 |
| PRODUCT TYPE | DSL | Location Contact | |
| PBS # (NEW YORK) | | Location Phone | |
| TANK # | TANK-4 DSL | Depth of Groundwater Determined: | |
| | | By: | Groundwater Locating Probe |
| | | Where: | Tank Pit |

## PRESSURE SENSOR CALCULATION

| | | | | | |
|---|---|---|---|---|---|
| 34.0 | x | 0.031 | | 1.054 | PSI (1) |
| INCHES OF PRODUCT | | WEIGHT OF PRODUCT | | | |
| 0.0 | x | .036 | | 0.000 | PSI (2) |
| INCHES OF WATER IN TANK | | | | | |
| Line 1 + Line 2 = Total Positive Head Pressure In Tank | | | = | 1.054 | PSI (3) |
| 0.0 | x | .036 | | 0.000 | PSI (4) |
| INCHES OF WATER OUTSIDE TANK | | | | | |
| Total Head Pressure Minus Outside Water Pressure | | | = | 1.054 | +/-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 | | | = | 1.554 | +/-PSI (7) |

## ACOUSTIC TEST TIME

| | Time | Pressure |
|---|---|---|
| Baseline Background: | 8:30 AM | 0.0 |
| Blower Started: | 8:33 AM | 0.0 |
| Test Pressure Reached: | 8:46 AM | 1.600 |
| Blower Turned Off: | 8:51 AM | 1.600 |
| Test Began: | 8:51 AM | 1.600 |
| Test Ended: | 8:55 AM | 1.579 |

## 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: | | | |

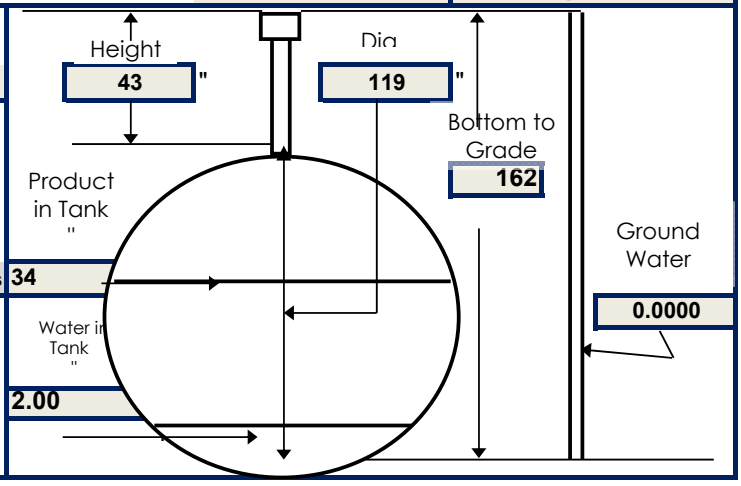
**Calculation for Test Period:**

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

**Water Intrusion Test Period**

Began:

Ended:



# DRI-SUMP® Containment Tightness Test Report

**Date:** 06/03/2025

| | |
|---|---|
| Facility Name: Custer Dakotamart | Owner: |
| Address: 800 Mount Rushmore Rd | Address: |
| City, State, Zip: Custer, SD 55730 | City, State, Zip: |
| Facility I.D. #: | Phone: |

| Number | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Product Stored | UNL | E10 | PRE | DSL | UNL | E10 |
| Sump Type | ■ Spill Bucket<br>☐ UDC _____<br>☐ Transitional<br>☐ STP | ■ Spill Bucket<br>☐ UDC _____<br>☐ Transitional<br>☐ STP | ■ Spill Bucket<br>☐ UDC _____<br>☐ Transitional<br>☐ STP | ■ Spill Bucket<br>☐ UDC _____<br>☐ Transitional<br>☐ STP | ☐ Spill Bucket<br>☐ UDC _____<br>☐ Transitional<br>■ STP | ☐ Spill Bucket<br>☐ UDC _____<br>☐ Transitional<br>■ STP |
| | | | | | | |
| Construction | ■ Single-walled<br>☐ Double-walled | ■ Single-walled<br>☐ Double-walled | ■ Single-walled<br>☐ Double-walled | ■ Single-walled<br>☐ Double-walled | ■ Single-walled<br>☐ Double-walled | ■ Single-walled<br>☐ Double-walled |
| Liquid & debris removed | ■ Yes<br>☐ No | ■ Yes<br>☐ No | ■ Yes<br>☐ No | ■ Yes<br>☐ No | ■ Yes<br>☐ No | ■ Yes<br>☐ No |
| **Visual Inspection** (No cracks, loose parts or sump/pipe separation points.) | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail |
| | | | | | | |
| Test in seconds | 60 | 60 | 60 | 60 | 60 | 60 |
| **Laser Verification** | ■ Dot (pass)<br>☐ Line (fail) | ■ Dot (pass)<br>☐ Line (fail) | ■ Dot (pass)<br>☐ Line (fail) | ■ Dot (pass)<br>☐ Line (fail) | ■ Dot (pass)<br>☐ Line (fail) | ■ Dot (pass)<br>☐ Line (fail) |
| **Final Test Results** | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail | ■ Pass<br>☐ Fail | ■ Pass<br>☐ 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<br>Minnesota Petroleum Service<br>682-39th Ave NE<br>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:**

| | |
|---|---|
| Facility Name: Custer Dakotamart | Owner: |
| Address: 800 Mount Rushmore Rd | Address: |
| City, State, Zip: Custer, SD 55730 | City, State, Zip: |
| Facility I.D. #: | Phone: |

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