

REMEDIAL INVESTIGATION AND CLEANUP REPORT

Oreo Mayfield, Jordan

503 Bella Street
Sedro-Woolley, Washington 98284

Report Date

December 13, 2024

Cleanup Site ID.

16833

VCP Project No.

NW3393

Partner Project No.

ES23-424487

YouConnect Project No.

504010

Prepared for:

Umpqua Bank
1 SW Columbia Street
Portland, Oregon 97258



Building
Science



Environmental
Consulting



Construction &
Development



Energy &
Sustainability



December 13, 2024

Michael Pereira
Umpqua Bank
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Portland, Oregon 97258

Subject: Remedial Investigation and Cleanup Action Report
OREO Mayfield, Jordan
503 Bella Street
Sedro-Woolley, Washington 98284
Cleanup Site ID: 16833
VCP Project No. NW3393
Partner Project No. ES23-424487
YouConnect Project Number: 504010

Dear Mr. Pereira,

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the assessment performed at the above-referenced property. The following report describes the field activities, methods, and findings of the Remedial Investigation and Cleanup Action performed at the above-referenced property (herein referred to as the Site).

This assessment was performed consistent with acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

Partner has no present or contemplated future ownership interest or financial interest in the real estate that is the subject of this Remedial Investigation and Cleanup Action Report; and Partner has no personal interest with respect to the subject matter of the Remedial Investigation and Cleanup Action Report of the parties involved and Partner has no relationship with the property or the owners thereof which would prevent an independent analysis of the environmental or other conditions of the property.

Unless expressly authorized in writing by Umpqua Bank, no one is permitted or intended to rely upon the findings, conclusions or recommendations found herein. This information is provided as a courtesy only and its accuracy has not been verified. The recipient accepts this information understanding that no representations or warranties are made with respect to this information and that recipient must make an independent determination of the accuracy of any information contained herein.

The recipient acknowledges that Umpqua Bank has no responsibility for this information and the recipient releases Umpqua Bank from liability for any inaccuracy, mistake or other defect in this information.



If you have any questions concerning this Remedial Investigation and Cleanup Action Report, please contact Cory Martini at (916) 405-1275.

Sincerely,

Partner Engineering and Science, Inc.

Cory Martini
Senior Project Manager

Martin Acaster, LG
Senior Project Manager

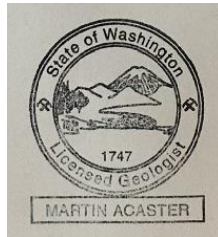


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1.0 INTRODUCTION

1.1 Purpose

The purpose of the remedial investigation and cleanup action was to characterize the extent of the stained soil observed by the Washington Department of Ecology (Ecology) during an April 2023 site visit and excavate the impacted soil for proper off-site disposal. Umpqua Bank provided project authorization of Partner Proposal Number P23-424487.1 by issuing an Environmental Services Task Order dated September 22, 2023.

1.2 Limitations

This report presents a summary of work performed by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third-party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. It cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Partner was engaged by Umpqua Bank (the Addressee), or their authorized representative, to perform this investigation. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at <http://www.partneresi.com/terms-and-conditions.php>.

2.0 SITE BACKGROUND

2.1 Site Description

The Site consists of one parcel of land comprising 0.33 acres located on the north side of Bella Street within a residential area of Sedro-Woolley, Skagit County, Washington. The Site is currently developed with a single-family residence and a detached garage.

The Site is bounded by Highway 20 and Walders Road, beyond which is unimproved land to the north; a hotel property to the north; Bella Street, beyond which is a residential property to the south; unimproved land to the east; and a residential property to the west. Please see **Figure 1** for a Site Location Map.

2.2 Site Background

The Site is listed on the Ecology Confirmed or Suspected Contaminated Sites List (CSCSL) (Cleanup Site ID 16833) due to suspected petroleum impacted soil from observed staining throughout the property in areas associated with vehicle, recreation vehicle (RV) and/or machinery storage. Ecology received an initial complaint about potential contamination from hazardous substances in January 2023 and an initial site visit to document the reported release was performed by Ecology on April 18, 2023. During the April 2023 Ecology investigation, Ecology determined that contamination may exist. Ecology issued an Early Notice Letter, dated September 12, 2023, regarding the release of hazardous substances on the property. The letter indicated that suspected contaminants to soil include petroleum as gasoline, diesel and other.

2.3 Geology and Hydrogeology

The Site is situated within the Puget Sound Physiographic Region of Washington. A series of north-south trending elongate ridges and drift uplands dominate the area. Glaciers once covered the Puget Sound area during the Vashon Stade of the Frazier glaciation, which ended approximately 15,000 years ago. As a result of the advancing and retreating glaciers, the soil sequence in the Puget Sound region typically consists of glacial till and outwash deposits (unsorted clay, silt, sand and gravel). Vashon Till is a commonly found glacial sediment and is characterized by poor drainage, low permeability and relatively high in-situ strength.

According to geotechnical boring logs reviewed on the Ecology Well report viewer Website, for a property located approximately 0.25 miles west of the Site (34280 State Route 20), the depth to groundwater in the vicinity of the Site is approximately 20 feet below ground surface (bgs). The inferred groundwater flow direction is to the south-southwest toward the Skagit River.

3.0 REMEDIAL INVESTIGATION FIELD ACTIVITIES

The purpose of the remedial investigation was to characterize the lateral and vertical extent of the stained areas observed during the Ecology April 2023 site visit.

3.1 Pre-Field Activities

Prior to the initiation of the remedial investigation field work, Partner completed the following activities.

3.1.1 Health and Safety Plan

Partner prepared a Site-specific health and safety plan (HASP), which was reviewed with on-site personnel involved in the project prior to the commencement of sampling activities.

3.1.2 Utility Clearance

Partner notified Washington Utility Notification Center (WUNC) to clear public utility lines as required by law at least two business days prior to remedial investigation field activities.

3.2 Soil Sampling

Soil sampling activities were performed at the Site on October 27, 2023. Based on field observations in conjunction with the findings of the April 2023 Ecology investigation 13 areas (TA1 through TA12 and BP1) of stained soil were observed at the Site. Initial delineation of the 13 areas was performed by visual observations and field-screening the surface of the stained areas with a photoionization detector (PID) calibrated to isobutylene.

A total of 37 soil samples were collected from the 13 areas at depths ranging from 0.5 to 2 feet bgs. Soil was manually excavated from each sample location with a hand-auger. Sampling equipment was pre-cleaned prior to arriving onsite and was decontaminated between each boring location with a three-stage decontamination procedure using deionized water and phosphate free soap.

At the desired sampling depths, soil was transferred from the hand-auger bucket into an unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid. The jars were filled with soil to capacity to minimize headspace and reduce the potential for volatilization. Samples were collected from the jars using a disposable plastic syringe and retained in two methanol-preserved volatile organics analysis (VOA) vials in accordance with United States Environmental Protection Agency (EPA) Method 5035 sampling protocol. The jars and VOA vials were labeled for identification and stored in an iced cooler.

Boreholes were backfilled with soil cuttings following sampling activities.

The remedial investigation sample locations are shown on **Figure 2**.

3.3 Laboratory Analysis

Partner collected 37 soil samples on October 27, 2023, which were transported in an iced cooler under chain-of-custody protocol to Pace Analytical (Pace) a state-certified laboratory [Environmental Laboratory Accreditation Program (ELAP) certificate number C847] in the City of Mount Juliet, Tennessee. Each sample was analyzed for gasoline range organics (GRO) via Method NWTPH-Gx, diesel range organics (DRO) and residual range organics (RRO) via Method NWTPH-Dx. In order to pre-profile the soil for off-site disposal each soil sample was analyzed for Resource Conservations and Recovery Act (RCRA) 8 Metals via EPA

Method 6010/7470 and 10 of the soil samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260.

3.4 Regulatory Agency Comparison Criteria

Washington Department of Ecology Model Toxics Control Act

Ecology promulgated the Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 of the WAC) to establish administrative processes and standards for identifying, investigating, and cleaning up facilities where there has been a release or threatened release of a hazardous substance or substances that may pose a threat to human health and/or the environment. The MTCA Cleanup Regulation provides Method A for establishing cleanup levels for soil for unrestricted land use (ULU) and Method B for establishing cleanup levels for sites that do not have a Method A cleanup level. Method B consists of a Cancer Cleanup Level (soil and groundwater) or Screening Level (soil gas) and Noncancer Cleanup Level or Screening Level. MTCA B Cancer establishes the concentration threshold for analytes at which the human health risk is cancer. MTCA B Noncancer establishes concentration thresholds for analytes at which the human health risk is a noncancer effect. In cases where MTCA Method B is used, data is compared to the most conservative Cleanup or Screening Level. Per Based on the current and presumed future residential use of the subject property, results were compared to MTCA Method A Cleanup Levels for ULU.

3.5 Remedial Investigation Laboratory Analytical Results

GRO was detected in 24 of the soil samples at concentrations above the laboratory reported detection limits (RDLs). The detected concentration of GRO in sample BP1 (56.6 milligrams per kilogram [mg/kg]) exceeded the MTCA Method A Cleanup Level for ULU of 30 mg/kg. Remaining concentrations of GRO detected in the soil samples at concentrations above the laboratory RDLs did not exceed the MTCA Method A Cleanup Level for ULU.

DRO was detected in each of the 37 soil samples at concentrations above the laboratory RDLs. The detected concentrations of DRO in soil samples TA4-1 (4,320 mg/kg) and TA7-1 (3,430 mg/kg) exceeded the MTCA Method A Cleanup Level for ULU of 2,000 mg/kg. Remaining concentrations of DRO detected in the soil samples at concentrations above the laboratory RDLs did not exceed the MTCA Method A Cleanup Level for ULU.

RRO was detected in each of the 37 soil samples at concentrations above the laboratory RDLs. The detected concentrations of RRO in soil samples TA1-1 (9,650 mg/kg), TA1-2 (6,350 mg/kg), TA1-3 (10,900 mg/kg), TA3-1 (8,110 mg/kg), TA4-1 (42,000 mg/kg), TA4-1-2 (2,220 mg/kg), TA7-1 (3,200 mg/kg), and TA8-1 (8,430 mg/kg) exceeded the MTCA Method A Cleanup Level for ULU of 2,000 mg/kg. Remaining concentrations of RRO detected in the soil samples at concentrations above the laboratory RDLs did not exceed the MTCA Method A Cleanup Level for ULU.

Various VOCs were detected in one or more of the soil samples at concentrations above the laboratory method detection limits (MDLs). The detected concentration of benzene in soil sample BP1 (0.24 mg/kg) exceeded the MTCA Method A Cleanup Level for ULU of 0.03 mg/kg. Remaining concentrations of VOCs detected in the soil samples at concentrations above the laboratory MDLs did not exceed the MTCA Method A Cleanup Level for ULU.

Various metals were detected in one or more of the soil samples at concentrations above the laboratory RDLs. The detected concentration of arsenic in soil sample BP1 (34.0 mg/kg) exceeded the MTCA Method A Cleanup Level for ULU of 20 mg/kg. Remaining concentrations of metals detected in the soil samples at concentrations above the laboratory MDLs did not exceed the MTCA Method A Cleanup Level for ULU.

Please refer to **Tables 1, 2 and 3** for a summary of the remedial investigation soil sample GRO, DRO and RRO, VOCs, and RCRA 8 Metals laboratory analytical results, respectively. Laboratory analytical results are included in **Appendix A**.

4.0 CLEANUP ACTION

The purpose of the cleanup action was to remediate areas at the Site where remedial investigation soil samples contained GRO, DRO and/or RRO at concentrations above the MTCA Method A Cleanup Level for ULU. Based on the remedial investigation soil sample results, the excavation areas consisted of the central and northern portions of TA1, TA3, the southwest portion of TA4, TA7, the northern portion of TA8, and BP1. The excavation areas are shown on **Figure 3**.

4.1 Pre-Field Activities

Prior to the initiation of the cleanup action field work, Partner completed the following activities.

4.1.1 Health and Safety Plan

Partner updated the Site-specific HASP, which was reviewed with on-site personnel involved in the project prior to the commencement of sampling activities.

4.1.2 Utility Clearance

Partner notified WUNC to clear public utility lines as required by law at least two business days prior to cleanup action field activities.

In addition, Partner subcontracted with Blood Hound on January 15, 2024 to clear excavation areas of utilities. Blood Hound systematically free-traversed each proposed excavation area with a Geonics EM-61 and a Fischer M-Scope electromagnetic induction (EM) equipment, a Schonstedt GA-52 magnetic gradiometer, a Sensors and Software Noggin ground penetrating radar (GPR) unit, and a Metrotech 9890 utility locator with line-tracing capabilities and the data was interpreted in real time for evidence of utility lines and/or other subsurface features of potential concern. Based on the findings of the GPR survey, a water line was identified the south side of proposed excavation area TA4 and east side of proposed excavation area TA7. No other subsurface utilities were identified within the proposed excavation areas.

4.2 Cleanup Action Activities

On January 25, 2024, Saybr Contractors, Inc. (Saybr) under the oversight of Partner excavated areas TA1, TA3, TA4, TA7, TA8, and BP1 with a mini-excavator and hand tools. Excavation activities consisted of excavating areas of approximately 100 square feet, centered on remedial investigation sample locations (10 feet by 10 feet) with an excavation depth of 0.5 feet below the depth of the remedial investigation sample with GRO, DRO and/or RRO concentrations that exceeded the MTCA Method A Cleanup Level for ULU. Due to the water line identified during the geophysical survey, the horizontal dimensions of excavation areas TA4 and TA7 were 10 feet by 8 feet. Refer to **Table 4** for the excavation dimensions, depth and volumes.

Upon completion of each excavation area to the proposed dimensions and depth, confirmatory soil samples were collected from the base and sidewalls of the excavations on January 25, 2024. Two discrete confirmatory soil samples were collected from the base of excavation area TA1, and one discrete confirmatory soil sample was collected from the bases of excavation areas TA3, TA4, TA7, TA8, and BP1. A total of four discrete soil samples were collected from the center point of the east and west sidewalls (two per sidewall) and a total of two discrete soil samples were collected from the center point of the north and south sidewalls (one per sidewall) of excavation area TA1. One discrete soil sample was collected from the

center point of each exposed sidewall (four per excavation area) of excavation areas TA3, TA4, TA7, TA8, and BP1. Confirmation soil sample locations are shown on **Figure 3**.

Based on the total lead analytical result for the remedial investigation soil sample TA4-1, the receiving facility requested a waste characterization soil sample be collected from the stockpiled soil from excavation area TA4 and analyzed for lead via the toxicity characteristic leaching procedure (TCLP) extraction. On January 25, 2024, Partner collected one four-part composite soil sample from the TA4 excavation stockpile for waste characterization.

Soil samples were collected with a hand trowel and transferred into an unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid. The jars were filled with soil to capacity to minimize headspace and reduce the potential for volatilization. The jars were labeled for identification and stored in an iced cooler.

Sampling equipment was pre-cleaned prior to arriving onsite and was decontaminated between each sampling location with a three-stage decontamination procedure using deionized water and phosphate free soap.

4.3 Confirmation Soil Sample Laboratory Analysis and Results

Partner collected 33 confirmation soil samples and one waste characterization soil sample on January 25, 2024, which were transported in an iced cooler under chain-of-custody protocol to Pace. Each confirmation sample was analyzed for GRO via Method NWTPH-Gx, and DRO and RRO via Method NWTPH-Dx. The waste characterization soil sample was analyzed for lead via EPA Method 6010D TCLP.

GRO, DRO and/or RRO were detected in one or more of the confirmation soil samples at concentrations above the laboratory MDLs. The concentrations of GRO, DRO and RRO detected in the confirmation soil samples did not exceed the MTCA Method A Cleanup Level for ULU.

Lead was not detected in the waste characterization sample above the laboratory RDL.

Please refer to **Table 5** for a summary of the confirmation soil sample GRO, DRO and RRO laboratory analytical results. Laboratory analytical results are included in **Appendix A**.

4.4 Soil Management and Excavation Backfill

A total of approximately 40.9 cubic yards of excavated soil was stockpiled on-Site on January 25, 2024. The stockpiles were underlain by and covered with visqueen plastic.

On February 8, 2024, Saybr under the oversight of Partner loaded the stockpiled soil into two dump trucks and transported the soil under proper waste manifest to Republic Services, an appropriate licensed off-Site facility for recycling and/or disposal. A copy of the waste manifest is included in **Appendix B**.

The excavation areas were backfilled by Saybr on the same day. Excavation area TA1 was backfilled with gravel to match the existing driveway ground cover. The remaining excavation areas were backfilled with clean imported topsoil.

5.0 ADDITIONAL INVESTIGATION ACTIVITIES

5.1 Voluntary Cleanup Program Enrollment

Partner on behalf of Umpqua Bank enrolled the Site into the Ecology Voluntary Cleanup Program (VCP) on February 16, 2024, and presented the findings of the October 2023 Remedial Investigation and January 2024 Cleanup Action to Ecology for their review. The Site was accepted into the VCP on May 29, 2024.

Following Ecology's review of the findings of the October 2023 Remedial Investigation and January 2024 Cleanup Action, Ecology requested the following additional items be performed.

- Collection of additional confirmation soil samples from the BP1 excavation area to confirm benzene and arsenic are not present above their respective Method A cleanup levels in this area.
- The remedial investigation soil sample TA1-4 and the confirmation soil sample TA1-S contained DRO and RRO at concentrations above the cleanup level protective of ecological receptors. Collection of two additional soil samples west and south of remedial investigation soil sample TA1-4 at approximately the same depth to delineate DRO and RRO in soil above the cleanup level protective of ecological receptors.

5.2 Additional Soil Sample Collection Activities

On June 10, 2024, Partner collected five additional confirmation soil samples (BP1-N2, BP1-S2, BP1-E2, BP1-W2, and BP1-B2) from excavation area BP1 and two step out soil samples (TA1-5 and TA1-6) from the remedial investigation sample location TA1-4.

The additional BP1 confirmation soil samples BP1-N2, BP1-S2, BP1-E2, and BP1-W2 were collected from the north, south, east, and west sidewalls of excavation area BP1, respectively, at depths of 0.5 feet bgs. The additional BP1 confirmation soil sample BP1-B2, was collected from the base depth (one-foot bgs) of excavation area BP1 in the location of the October 2023 remedial investigation sample BP1, which contained benzene at a concentration above the MTCA Method A Cleanup Level for ULU. The TA1-4 step out soil samples TA1-5 and TA1-6 were collected approximately five feet west and south of sample location TA1-4, respectively, at depths of 0.5 feet bgs.

Soil was manually excavated from each sample location with a hand-auger. Sampling equipment was pre-cleaned prior to arriving onsite and was decontaminated between each boring location with a three-stage decontamination procedure using deionized water and phosphate free soap.

At the desired sampling depths, soil was transferred from the hand-auger bucket into an unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid. The jars were filled with soil to capacity to minimize headspace and reduce the potential for volatilization. Samples were collected from the jars using a disposable plastic syringe and retained in one methanol-preserved VOA vial in accordance with EPA Method 5035 sampling protocol. The jars and VOA vials were labeled for identification and stored in an iced cooler.

Boreholes were backfilled with soil cuttings following sampling activities.

Sample locations TA1-5 and TA1-6 are shown on **Figure 2** and the additional BP1 excavation area confirmation samples are shown on **Figure 3**.

5.3 Additional Soil Sample Laboratory Analysis and Results

Partner collected five additional confirmation soil samples (BP1-N2, BP1-S2, BP1-E2, BP1-W2, and BP1-B2) from excavation area BP1 and two TA1-4 step out soil samples (TA1-5 and TA1-6) on June 10, 2024, which were transported in an iced cooler under chain-of-custody protocol to Pace. Soil samples BP1-N2, BP1-S2, BP1-E2, BP1-W2, and BP1-B2 were analyzed for benzene via EPA Method 8260 and for arsenic via EPA Method 6010. Soil samples TA1-5 and TA1-6 were analyzed for DRO and RRO via Method NWTPH-Dx.

Benzene was detected in soil samples BP1-S2, BP1-E2, BP1-W2, and BP1-B2 at concentrations above the laboratory MDLs, ranging from 0.00195 to 0.201 mg/kg. The concentrations of benzene detected in soil samples BP1-S2 (0.0405 mg/kg) and BP1-B2 (0.201 mg/kg) exceeded the MTCA Method A Cleanup Level for ULU of 0.03 mg/kg.

Arsenic was detected in soil samples BP1-N2, BP1-S2, BP1-E2, BP1-W2, and BP1-B2 at concentrations above the laboratory MDLs, ranging from 2.41 to 10.3 mg/kg. The detected concentrations of arsenic did not exceed the MTCA Method A Cleanup Level for ULU of 20 mg/kg.

DRO was detected in soil samples TA1-5 and TA1-6 at concentrations of 3.42 and 7.13 mg/kg, respectively. RRO was detected in soil samples TA1-5 and TA1-6 at concentrations of 25.4 and 41.2 mg/kg, respectively. The detected concentrations of DRO and RRO did not exceed the MTCA Method A Cleanup Levels for ULU of 2,000 mg/kg, respectively. The detected concentrations of DRO and RRO did not exceed the MTCA Simplified Terrestrial Ecological Evaluation Cleanup Level for ULU of 460 mg/kg.

Please refer to **Table 6** for a summary of the additional investigation soil sample laboratory analytical results. Laboratory analytical results are included in **Appendix A**.

6.0 ADDITIONAL CLEANUP ACTION

Based on the concentrations of benzene detected above the MTCA Method A Cleanup Level for ULU in two of the additional confirmation soil samples from excavation area BP1, Ecology recommended additional excavation in area BP1 to remove the benzene impacted soil.

6.1 Additional Cleanup Action Activities

On November 13, 2024, Saybr under the oversight of Partner excavated an additional 1-foot of soil from the base and south sidewall of area BP1 with a mini-excavator and hand tools. Prior to excavating the additional soil, the upper one-foot of clean imported topsoil used to backfill area BP1 in January 2024 was removed and stockpiled on-site for reuse as backfill following the additional excavation activities. The final excavation dimensions of area BP1 were 10 feet by 11 feet and two feet bgs. Refer to **Table 4** for the excavation dimensions, depth and volume for area BP1.

Upon completion of the additional excavation activities in area BP1, confirmatory soil samples were collected from the base and south sidewall of the excavation on November 13, 2024. One discrete confirmatory soil sample was collected from the base of excavation area BP1 at a depth of two feet bgs, and one discrete soil sample was collected from the center point of the south sidewall of excavation area BP1 at a depth of one-foot bgs. Confirmation soil sample locations are shown on **Figure 3**.

Soil samples were collected directly from the base and south sidewall with a disposable plastic syringe and retained in one methanol-preserved and two sodium bisulfate-preserved VOA vials in accordance with EPA Method 5035 sampling protocol. The VOA vials were labeled for identification and stored in an iced cooler.

6.2 Additional Confirmation Soil Sample Laboratory Analysis and Results

Partner collected two confirmation soil samples (SS and EB) from excavation area BP1 on November 13, 2024, which were transported in an iced cooler under chain-of-custody protocol to Eurofins Environmental Testing (Eurofins) a state-certified laboratory (ELAP certificate number C788) in the City of Tacoma, Washington. Each confirmation sample was analyzed for benzene via EPA Method 8260D.

Benzene was not detected in the additional confirmation soil samples collected from excavation area BP1 at concentrations above the laboratory MDLs, and the laboratory MDLs were below the MTCA Method A Cleanup Level for ULU of 0.03 mg/kg.

Please refer to **Table 6** for a summary of the additional confirmation soil sample laboratory analytical results. Laboratory analytical results are included in **Appendix A**.

6.3 Additional Cleanup Action Soil Management and Excavation Backfill

On November 13, 2024, a total of approximately 4.1 cubic yards of excavated soil was directly loaded into a dump truck and transported by Saybr under proper waste manifest to Regional Disposal Intermodal, an appropriate licensed off-Site facility for recycling and/or disposal. A copy of the waste manifest is included in **Appendix B**.

The excavation area was backfilled by Saybr on the same day with clean imported topsoil.

7.0 SIMPLIFIED TERRESTRIAL ECOLOGICAL EVALUATION

As requested by Ecology, a Simplified Terrestrial Ecological Evaluation (TEE) was performed to evaluate the potential of the concentrations of DRO and RRO remaining in-place in the vicinity of remedial investigation soil sample TA1-4 and confirmation soil sample TA1-S on the southwest portion of the Site for posing a threat of significance adverse effects to terrestrial ecological receptors.

As discussed in Section 5.0, in June 2024 soil samples TA1-5 and TA1-6 were collected approximately five feet west and south of sample location TA1-4, respectively, to delineate the extent of DRO and RRO in soil above the MTCA Simplified TEE Cleanup Level for ULU. DRO was detected in soil samples TA1-5 and TA1-6 at concentrations of 3.42 and 7.13 mg/kg, respectively. RRO was detected in soil samples TA1-5 and TA1-6 at concentrations of 25.4 and 41.2 mg/kg, respectively. The detected concentrations of DRO and RRO in soil samples TA1-5 and TA1-6 did not exceed the MTCA Simplified TEE Cleanup Level for ULU of 460 mg/kg.

The extent of DRO and RRO remaining in soil above the MTCA Simplified TEE Cleanup Level for ULU is limited to the vicinity of sample locations TA1-4 and TA1-S. The January 2024 soil samples TA1-BS and TA7-W, and the June 2024 soil samples TA1-6 and TA1-5 delineate the DRO and RRO concentrations in soil above the MTCA Simplified TEE Cleanup Level for ULU to the north, east, south, and west, respectively.

According to the Simplified TEE procedures outlined in WAC 173-340-7492(2)(a)(i), the Simplified TEE may be ended if the total area of soil contamination is not greater than 350 square feet. The extent of DRO and RRO remaining in on-Site soil above the MTCA Simplified Terrestrial Ecological Evaluation Cleanup Level for ULU is less than 350 square feet; therefore, the Simplified TEE can be stopped and no further evaluation is warranted.

8.0 SOIL TO GROUNDWATER TRANSPORT PATHWAY EVALUATION

The remaining concentrations of hazardous substances in soil at the Site were evaluated for the potential migration to groundwater beneath the Site and potential impact to nearby water wells.

According to geotechnical boring logs reviewed on the Ecology Well report viewer Website, for a property located approximately 0.25 miles west of the Site (34280 State Route 20), the depth to groundwater in the vicinity of the Site is approximately 20 feet bgs. The inferred groundwater flow direction is to the south-southwest toward the Skagit River.

Partner used a combination of sources to search for water wells within a ¼-mile radius of the Site. Sources reviewed as part of Partner's water well search included the Ecology Well report viewer Website and the Washington State Department of Health Source Water Assessment Program (SWAP) Mapping website. According to the sources reviewed, the following water well was identified within a ¼-mile radius of the Site:

Start Card No.	Distance and Direction from Site	Hydraulic Gradient from Site	Well Construction Details	Use of Well
W092735	Approximately 0.23 miles Northeast	Up-Gradient	Total Depth: 38 feet bgs Screened Interval: 33 to 38 feet bgs Surface Seal: Bentonite from ground surface to 18 feet bgs.	Domestic well

Drinking water is provided to the Site and vicinity by the Hamilton Water Department (HWD). According to the Washington State Department of Health SWAP Mapping website and Town of Hamilton website, HWD drinking water is supplied from one groundwater well located approximately 0.7 miles northeast of the Site. The HWD well depth is 200 feet bgs with a static water level of approximately 83 feet bgs. Water from the HWD well is treated prior to being supplied to the public.

Based on the limited vertical extent of soil impacts (less than 2.5 feet bgs), removal of the impacted soil, and anticipated depth to groundwater beneath the Site (20 feet bgs), it is unlikely groundwater beneath the Site has been impacted by the prior surficial releases of petroleum hydrocarbons at the Site. Additionally, based on the distance and the hydraulically up-gradient location in relation to the Site, the nearby domestic well and HWD municipal well will not be impacted by the prior surficial releases of petroleum hydrocarbons at the Site.

9.0 SUMMARY AND CONCLUSIONS

On October 27, 2023, Partner assessed the areas of stained soil observed by Ecology during their April 2023 site visit, by visual inspection, screening with a PID and collection of soil samples to characterize the lateral and vertical extent of the stained soil observed. Based on Partner's October 2023 field observations in conjunction with the findings of the April 2023 Ecology investigation 13 areas (TA1 through TA12 and BP1) of stained soil were observed at the Site.

Remedial investigation soil sampling activities were performed at the Site on October 27, 2023. A total of 37 soil samples were collected from the 13 areas at depths ranging from 0.5 to 2 feet bgs. Each sample was analyzed for GRO, DRO and RRO. Each soil sample was also analyzed RCRA 8 Metals and 10 of the soil samples were analyzed for VOCs for pre-profiling purposes.

Based on the remedial investigation soil sample analytical results, one or more of the soil samples collected from areas TA1, TA3, TA4, TA7, TA8, and BP1 contained GRO, DRO and/or RRO at concentrations above the MTCA Method A Cleanup Level for ULU.

On January 25, 2024, a total of approximately 40.9 cubic yards of soil was excavated from the central and northern portions of TA1, TA3, the southwest portions of TA4, TA7, the northern portion of TA8, and BP1 and stockpiled on-Site. A total for 33 confirmation soil samples were collected from the bases and sidewalls of each excavation area and analyzed for GRO, DRO and RRO. Based on the confirmation soil sample analytical results GRO, DRO or RRO were not detected above the MTCA Method A Cleanup Level for ULU.

On February 8, 2024, the stockpiled soil was transported under proper waste manifest to an appropriate licensed off-Site facility for recycling and/or disposal. On the same day excavation area TA1 was backfilled with gravel to match the existing driveway ground cover and the remaining excavation areas were backfilled with clean imported topsoil.

The Site was accepted into the Ecology VCP on May 29, 2024. Following Ecology's review of the findings of the October 2023 Remedial Investigation and January 2024 Cleanup Action, Ecology requested collection of additional confirmation soil samples from the BP1 excavation for benzene and arsenic analysis, and further evaluation of DRO and RRO in soil above the cleanup level protective of ecological receptors on the southwest portion of the Site.

On June 10, 2024, Partner collected five additional confirmation soil samples from excavation area BP1 and two step out soil samples from the remedial investigation sample location TA1-4 on the southwest portion of the Site.

Benzene was detected in the excavation base and south sidewall additional BP1 confirmation soil samples at concentrations above the MTCA Method A Cleanup Level for ULU. Arsenic was not detected in the additional BP1 confirmation soil samples at concentrations above the MTCA Method A Cleanup Level for ULU. DRO and RRO were not detected in the two step out samples at concentrations above the MTCA Method A Cleanup Levels for ULU or the MTCA Simplified TEE Cleanup Level for ULU.

Based on the concentrations of benzene detected above the MTCA Method A Cleanup Level for ULU in two of the additional confirmation soil samples from excavation area BP1, an additional 1-foot of soil from the base and south sidewall of area BP1 (4.1 cubic yards) was excavated on November 13, 2024. Two confirmation soil samples were collected from the south sidewall and base of excavation BP1 and analyzed

for benzene. Based on the additional confirmation soil sample analytical results from BP1, benzene was not detected above the MTCA Method A Cleanup Level for ULU. The excavated soil was direct loaded into a dump truck and transported under proper waste manifest to an appropriate licensed off-Site facility for recycling and/or disposal. On the same day excavation area BP1 was backfilled with clean imported topsoil.

A Simplified TEE was performed to evaluate the potential of the concentrations of DRO and RRO remaining in-place in the vicinity of remedial investigation soil sample TA1-4 and confirmation soil sample TA1-S on the southwest portion of the Site for posing a threat of significance adverse effects to terrestrial ecological receptors.

The June 2024 soil samples TA1-5 and TA1-6 were collected to delineate the extent of DRO and RRO in soil above the MTCA Simplified TEE Cleanup Level for ULU. The detected concentrations of DRO and RRO in soil samples TA1-5 and TA1-6 did not exceed the MTCA Simplified TEE Cleanup Level for ULU. The extent of DRO and RRO remaining in soil above the MTCA Simplified TEE Cleanup Level for ULU is limited to the vicinity of sample locations TA1-4 and TA1-S. The January 2024 soil samples TA1-BS and TA7-W and the June 2024 soil samples TA1-6 and TA1-5 delineate the DRO and RRO concentrations in soil above the MTCA Simplified TEE Cleanup Level for ULU to the north, east, south, and west, respectively. The extent of DRO and RRO remaining in on-Site soil above the MTCA Simplified TEE Cleanup Level for ULU is less than 350 square feet; therefore, the Simplified TEE can be stopped and no further evaluation is warranted.

The remaining concentrations of hazardous substances in soil at the Site were evaluated for the potential migration to groundwater beneath the Site and potential impact to nearby water wells. Based on the limited vertical extent of soil impacts (less than 2.5 feet bgs), removal of the impacted soil, and anticipated depth to groundwater beneath the Site (20 feet bgs), it is unlikely groundwater beneath the Site has been impacted by the prior surficial releases of petroleum hydrocarbons at the Site. Additionally, based on the distance and the hydraulically up-gradient location in relation to the Site, the nearby domestic well and HWD municipal well will not be impacted by the prior surficial releases of petroleum hydrocarbons at the Site.

The excavation confirmation sample laboratory analytical results have demonstrated that the areas of stained soil with identified GRO, DRO, RRO, benzene and/or arsenic soil impacts have been remediated. Based upon these results, it is Partner's professional opinion that delisting the Site from the CSCSL, with no further action required with regards to the environmental circumstances related to the Site, is appropriate at this time and we respectfully request that Ecology make such a written determination.

TABLES

Table 1: Remedial Investigation Soil Sample GRO/DRO/RRO Laboratory Results
OREO Mayfield, John
503 Bella Street
Sedro Woolley, Washington 98284
Partner Project Number ES23-424487
Sampling Date: 10/27/2023

Method		GRO via NWTPH-Gx and DRO and RRO via NWTPH-Dx		
Units		mg/kg		
Sample Identification	Sample Depth (feet bgs)	GRO	DRO	RRO
TA1-1	0.5	2.36 J, J3	915	9,650
TA1-2	0.5	13.1 J3	731	6,350
TA1-3	0.5	2.64 J, J3	1,130	10,900
TA1-4	0.5	2.32 J, J3	75.3	584
TA1-5-1	1.5	2.15 J, J3	142	1,060
TA2-1	0.5	12.3 J3	24.0	106
TA2-1-1.5	1.5	3.53 J	2.67 J	11.8
TA2-2	0.5	3.20 J	11.1 J	71.6
TA2-3	0.5	<4.87	12.8 J	70.6
TA2-4	0.5	1.89 J	5.40	32.9
TA3-1	0.5	2.04 J	995	8,110
TA4-1	0.5	17.2	4,320	42,000
TA4-1-2	2	3.93 J	253	2,220
TA4-2	0.5	3.99 J	6.80	41.7
TA4-3	0.5	2.77 J	4.20 J, J6	51.4
TA4-4	0.5	4.13 J	1.72 J	11.7 J
TA5-1	0.5	3.30 J	4.44 J	39.5
TA5-2	0.5	2.04 J	3.40 J	27.9
TA5-3	0.5	<6.72	4.82 J	39.0
TA6-1	0.5	<5.99	2.21 J	16.6
TA6-2	0.5	<7.20	2.59 J	22.0
TA6-3	0.5	<5.79	6.93	41.9
TA6-4	0.5	<6.04	11.7	79.9
TA7-1	0.5	<3.86	3,430	3,200
TA8-1	0.5	12.2	1,650	8,430
TA8-1-1.5	1.5	2.00 J	45.8	227
TA8-2	0.5	4.48 J	40.9 J	155
TA8-3	0.5	2.05 J	75.9	202
TA9-1	0.5	<7.00	14.4 J	127
TA9-2	0.5	<6.43	10.9	72.7
TA10-1	0.5	<5.72	8.42	59.3
TA10-2	0.5	<5.71	6.77	50.6
TA10-3	0.5	<6.48	17.1 J6	104
TA10-4	0.5	<5.55	6.40	39.4
TA11	0.5	1.97 J	14.0 J	142
TA12	0.5	1.99 B, J	11.9 J	140
BP1	0.5	56.6	22.0 J	93.8
MTCA Method A ULU		30/100*	2,000	2,000

Notes:

GRO = gasoline-range organics

DRO = diesel-range organics

RRO = residual-range organics

NWTPH = Northwest Total Petroleum Hydrocarbons

mg/kg = milligrams per kilogram

MTCA Method A = Soil cleanup levels for unrestricted land use (ULU) (Washington State Department of Ecology [Ecology], Model Toxics Control Act [MTCA], July 2024)

* MTCA Method A Cleanup Level for soil is 30 mg/kg if benzene is present in the sample and 100 mg/kg if benzene is not present in the sample

< = not detected above indicated laboratory Reported Detection Limit (RDL)

J = The identification of the analyte is acceptable; the reported value is an estimate.

B = The same analyte is found in the associated blank.

J3 = The associated batch quality control was outside the established quality control range for precision.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Values in **bold** exceed laboratory RDLs

Highlighted values exceeds Method A cleanup level

Table 2: Remedial Investigation Soil Sample VOCs Laboratory Results

OREO Mayfield, John

503 Bella Street

Sedro Woolley, Washington 98284

Partner Project Number ES23-424487

Sampling Date: 10/27/2023

EPA Method	VOCs via 8260D											
Units	mg/kg											
Analyte	MTCA Method A ULU	MTCA Method B Noncancer	TA1-3	TA2-2	TA4-1	TA4-4	TA6-3	TA8-2	TA10-2	TA11	TA12	BP1
Benzene	0.03	320	<0.00378	<0.00120	0.00203	<0.00128	<0.00108	0.00237 J	<0.00107	<0.000937	<0.00122	0.24
Chlorobenzene	NE	1,600	<0.00170	<0.000540	<0.000417	<0.000573	<0.000484	<0.000539	<0.000479	<0.000422	<0.000547	0.0118
1,2-Dichlorobenzene	NE	7,200	<0.00344	<0.00109	<0.000844	<0.00116	<0.000979	<0.00109	<0.000969	<0.000853	<0.00111	0.00414 J
1,3-Dichlorobenzene	NE	NE	<0.00486	<0.00154	<0.00119	<0.00164	<0.00138	<0.00154	<0.00137	<0.00121	<0.00156	0.00421 J
Ethylbenzene	6	8,000	<0.00597	<0.00190	0.00868	0.00349 J	<0.00170	0.0100	<0.00169	<0.00148	<0.00192	0.147
Isopropylbenzene	NE	8,000	<0.00344	<0.00109	<0.000844	0.00116 J	<0.000979	<0.00109	<0.000969	<0.000853	<0.00111	0.00658 J
p-Isopropyltoluene	NE	NE	<0.0207	<0.00656	0.00685 J	<0.00697	<0.00587	<0.00654	<0.00582	<0.00512	<0.00664	0.0108 J
4-Methyl-2-Pentanone (MIBK)	NE	6,400	<0.0184	<0.00586	0.0412 J	<0.00623	<0.00525	<0.00585	<0.00520	<0.00458	<0.00594	0.00815 J
Naphthalene	5	1,600	<0.0395	<0.0125	<0.00969	<0.0133	<0.0112	<0.0125	<0.0111	<0.00980	<0.0127	0.0596 C3
N-Propylbenzene	NE	8,000	<0.00769	<0.00244	0.00640 J	0.00259 J	<0.00219	<0.00244	<0.00216	<0.00191	<0.00247	0.0309
Styrene	NE	16,000	<0.00185	<0.000589	<0.000454	<0.000626	<0.000528	<0.000588	<0.000522	<0.000460	<0.000597	0.0561 C3
Toluene	7	6,400	0.0146 J	0.0126 J	0.0390	0.0117 J	<0.00299	0.0807	<0.00297	<0.00260	<0.00339	0.624
1,2,4-Trimethylbenzene	NE	800	<0.0128	<0.00406	0.0385	0.0115 J	<0.00364	0.0121 J	<0.00360	<0.00317	<0.00412	0.0767
1,2,3-Trimethylbenzene	NE	800	<0.0128	<0.00406	0.0171	<0.00431	<0.00364	<0.00406	<0.00360	<0.00317	<0.00412	0.0227
1,3,5-Trimethylbenzene	NE	800	<0.0162	<0.00514	0.0104	<0.00546	<0.00461	<0.00513	<0.00456	<0.00401	<0.00521	0.0317
Total Xylenes	9	16,000	0.0103 J	0.00656 J	0.0531	0.0175 J	<0.00202	0.0891	<0.00200	<0.00177	<0.00230	0.487
Other VOCs	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

VOCs = volatile organic compounds

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

MTCA Method A = Soil cleanup levels for unrestricted land use (Washington State Department of Ecology [Ecology], Model Toxics Control Act [MTCA], July 2024)

MTCA Method B = Direct contact noncancer soil cleanup levels when a Method A cleanup level does not exist (Ecology, MTCA, July 2024)

NE = not established

< = not detected above indicated laboratory Method Detection Limit (MDL)

J = The identification of the analyte is acceptable; the reported value is an estimate.

C3 = The reported concentration is an estimate. The continuing calibration standard with this data responded low. Method sensitivity check is acceptable.

ND = not detected above laboratory MDLs

Values in **bold** exceed laboratory MDLs

Highlighted values exceeds Method A cleanup level

Table 3: Remedial Investigation Soil Sample RCRA 8 Metals Laboratory Results

OREO Mayfield, John
503 Bella Street
Sedro Woolley, Washington 98284
Partner Project Number ES23-424487
Sampling Date: 10/27/2023

EPA Method	RCRA 8 Metals via 6020D/7471B							
Units	mg/kg							
Analyte	Arsenic (As)	Barium (Ba)	Cadmium (Cd)	Chromium (Cr)	Lead (Pb)	Selenium (Se)	Silver (Ag)	Mercury (Hg)
Sample Identification								
TA1-1	3.30	30.8	0.115 J	12.8	17.1	<2.12	<5.31	0.0231 J
TA1-2	1.76 J	32.1	0.0918 J	10.2	7.83	<2.12	<1.06	<0.0423
TA1-3	4.26	41.8	0.130 J	24.5	13.8	<2.09	<5.23	0.0195 J
TA1-4	2.15	37.5	<0.522	7.25	8.67	<2.09	<1.04	<0.0418
TA1-5-1	3.86	32.5	<0.518	14.4	7.11	<2.07	<1.04	0.0478
TA2-1	1.68 J	30.9	0.116 J	12.4	10.9	<2.14	<1.07	<0.0427
TA2-2	3.55	34.6	0.0816 J	10.4	10.4	<2.10	<1.05	<0.0420
TA2-3	1.85 J	37.0	0.119 J	6.41	9.69	<2.12	<1.06	<0.0424
TA2-4	2.07 J	35.2	<0.526	10.6	5.45	<2.10	<1.05	<0.0421
TA2-1-1.5	4.25	90.7	<0.538	15.0	7.42	<2.15	<1.08	0.0347 J
TA3-1	1.56 J	39.0	<0.519	13.9	10.9	<2.07	<1.04	<0.0415
TA4-1	6.97	56.8	<0.574	34.0	195	<2.30	<1.15	0.0513
TA4-2	6.26	84.9	<0.619	39.8	16.2	<2.48	<1.24	0.056
TA4-3	9.54	76.9	<0.646	19.6	20.2	5.83	<1.29	0.0594
TA4-4	9.81	69.4	<0.639	22.2	13.4	5.64	<1.28	0.0572
TA4-1-2	8.57	65.2	<0.662	15.8	21.8	7.02	<1.32	0.0784
TA5-1	9.84	79.9	<0.667	17.1	11.2	6.59	<1.33	0.0529 J
TA5-2	8.23	58.6	<0.627	16.0	14.4	5.79	<1.25	0.0568
TA5-3	11.2	72.2	<0.646	19.9	21.4	6.26	<1.29	0.0615
TA6-1	7.11	73.5	0.152 J	18.8	15.5	<2.52	<1.26	0.0498 J
TA6-2	8.90	91.8	0.164 J	23.1	21.3	<2.68	<1.34	0.0675
TA6-3	11.1	90.0	0.145 J	23.6	20.2	<2.57	<6.43	0.0411 J
TA6-4	7.75	78.9	0.200 J	19.3	20.1	<2.52	<1.26	0.0728
TA-7-1	1.17 J	25.6	<0.521	7.23	13.7	<2.08	<1.04	<0.0417
TA8-1	2.03 J	46.3	0.175 J	5.73	14.4	<2.05	<1.03	<0.0411
TA8-2	2.83	28.9	0.702	9.27	15.8	<2.18	<1.09	<0.0436
TA8-3	1.84 J	32.1	0.118 J	8.36	105	<2.14	<1.07	<0.0428
TA8-1-1.5	<2.06	8.35	<0.515	<1.03	0.393 J	<2.06	<1.03	<0.0263
TA9-1	8.61	108	<0.669	40.2	26.4	1.39 J	<1.34	0.0562
TA9-2	8.51	118	<0.647	39.0	29.6	<2.59	<1.29	0.0658
TA10-1	6.28	74.7	<0.609	28.4	18.3	<2.44	<1.22	0.0445 J
TA10-2	6.20	79.2	<0.601	29.3	17.0	<2.40	<1.20	0.077
TA10-3	6.29	49.9	<0.632	11.2	11.1	3.41	<1.26	0.127
TA10-4	7.28	52.6	<0.612	12.6	12.2	4.34	<1.22	0.0409 J
TA11	6.63	31.8	<0.541	11.1	14.5	4.10	<1.08	0.0347 J
TA12	3.79	21.3	<0.563	7.41	9.48	1.73 J	<1.13	0.0307 J
BP1	34.0	68.9	0.231 J	34.8	31.4	3.97	0.285 J	<0.0502
Method A ULU	20	NE	2	2,000	250	NE	NE	2
MTCA Method B Noncancer	24	16,000	80	120,000	NE	400	400	NE

Notes:

RCRA = Resource Conservation and Recovery Act

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

MTCA Method A = Soil cleanup levels for unrestricted land use (ULU) (Washington State Department of Ecology [Ecology], Model Toxics Control Act [MTCA], July 2024)

MTCA Method B = Soil cleanup levels for direct contact (Washington State Department of Ecology [Ecology], Model Toxics Control Act [MTCA], July 2024)

< = not detected above indicated laboratory Reported Detection Limit (RDL)

J = The identification of the analyte is acceptable; the reported value is an estimate.

Values in **bold** exceed laboratory RDLs

Highlighted values exceeds Method A cleanup level

Table 4: Remedial Excavation Dimensions, Depths and Volumes
 OREO Mayfield, John
 503 Bella Street
 Sedro Woolley, Washington 98284
 Partner Project Number ES23-424487
 Excavation Dates: 1/25/2024 and 11/13/2024

Excavation Area	Excavation Dimensions (feet)	Excavation Depth (feet)	Cubic Feet of Soil Excavated	Cubic Yards of Soil Excavated
TA1	35x15	1.0	525	19.4
TA3	10x10	1.0	100	3.7
TA4	8x10	2.5	200	7.4
TA7	10x8	1.0	80	3
TA8	10x10	1.0	100	3.7
BP1*	10x11	2.0	220	8.2
Total Excavation Volumes			1225	45.4

Notes:

* = Additional excavation of area BP1 was performed on November 13, 2024.

Table 5: Confirmation Soil Sample GRO/DRO/RRO Laboratory Results
OREO Mayfield, John
503 Bella Street
Sedro Woolley, Washington 98284
Partner Project Number ES23-424487
Sampling Date: 1/25/2024

Method				GRO via NWTPH-Gx and DRO and RRO via NWTPH-Dx		
Units				mg/kg		
Excavation Area	Sample Identification	Sample Location	Sample Depth (feet bgs)	GRO	DRO	RRO
TA1	TA1-N	North Sidewall	0.5	<1.15	<1.85	<4.64
	TA1-S	South Sidewall	0.5	<0.952	60.1	489
	TA1-EN	East Sidewall	0.5	<0.927	<1.39	<3.49
	TA1-ES	East Sidewall	0.5	1.57 B,J	3.79 J	26.7
	TA1-WN	West Sidewall	0.5	<1.60	7.33	33.1
	TA1-WS	West Sidewall	0.5	<1.60	4.31 J	22.6
	TA1-BN	Excavation Base	1.0	1.71 J	<1.83	<4.58
	TA1-BS	Excavation Base	1.0	<1.36	<1.73	<4.32
TA3	TA3-N	North Sidewall	0.5	1.14 J	12.1	8.83 J
	TA3-S	South Sidewall	0.5	2.02 B,J	15.9	33.6
	TA3-E	East Sidewall	0.5	2.06 B,J	9.01	52.3
	TA3-W	West Sidewall	0.5	<0.984	3.36 J	5.36 J
	TA3-B	Excavation Base	1.0	<1.48	2.41 J	6.03 J
TA4	TA4-N	North Sidewall	1.25	<1.65	<1.96	5.62 J
	TA4-S	South Sidewall	1.25	<1.83	2.48 J	8.28 J
	TA4-E	East Sidewall	1.25	<1.75	3.92 J	14.4 J
	TA4-W	West Sidewall	1.25	<1.62	<1.93	<4.84
	TA4-B	Excavation Base	2.5	<1.55	<1.87	<4.69
TA7	TA7-N	North Sidewall	0.5	<0.939	<1.40	5.04 J
	TA7-S	South Sidewall	0.5	1.08 J	1.62 J	5.35 J
	TA7-E	East Sidewall	0.5	<0.995	2.20 J	11.4
	TA7-W	West Sidewall	0.5	<0.967	3.47 J	18.8
	TA7-B	Excavation Base	1.0	1.63 J	3.14 J	8.01 J
TA8	TA8-N	North Sidewall	0.5	0.949 J	<1.41	<3.53
	TA8-S	South Sidewall	0.5	1.19 J	63.7	245
	TA8-E	East Sidewall	0.5	1.15 B,J	17.8	45.2
	TA8-W	West Sidewall	0.5	1.07 B,J	18.4	28.7
	TA8-B	Excavation Base	1.0	1.56 B,J	<1.86	<4.66
BP1	BP1-N	North Sidewall	0.5	<1.25	<1.64	10.9 J
	BP1-S	South Sidewall	0.5	1.40 J	7.17	33.3
	BP1-E	East Sidewall	0.5	<1.17	3.31 J	11.1 J
	BP1-W	West Sidewall	0.5	1.40 J	3.16 J	15.2
	BP1-B	Excavation Base	1.0	1.87 J	6.71	24.7
MTCA Method A ULU				30/100*	2,000	2,000

Notes:

GRO = gasoline-range organics

DRO = diesel-range organics

RRO = residual-range organics

NWTPH = Northwest Total Petroleum Hydrocarbons

mg/kg = milligrams per kilogram

MTCA Method A = Soil cleanup levels for unrestricted land use (ULU) (Washington State Department of Ecology [Ecology], Model Toxics Control Act [MTCA], July 2024)

* MTCA Method A Cleanup Level for soil is 30 mg/kg if benzene is present in the sample and 100 mg/kg if benzene is not present in the sample

< = not detected above indicated laboratory Method Detection Limit (MDL)

Values in **bold** exceed laboratory MDLs

Table 6: Additional Confirmation Soil Sample Laboratory Results
OREO Mayfield, John
503 Bella Street
Sedro Woolley, Washington 98284
Partner Project No. ES23-424487
Sampling Dates: 6/10/2024 and 11/13/2024

Method					Benzene via 8260D, Arsenic via 6020B, and DRO and RRO via NWTPH-Dx			
Units					mg/kg			
Excavation Area	Sample Identification	Sample Location	Sample Depth (feet bgs)	Sample Date	Benzene	Arsenic	DRO	RRO
BP1	BP1-N2	North Sidewall	0.5	6/10/2024	<0.00119	2.90	---	---
	BP1-S2	South Sidewall	0.5	6/10/2024	0.0405	7.37	---	---
	SS	South Sidewall	1.0	11/13/2024	<0.0098	---	---	---
	BP1-E2	East Sidewall	0.5	6/10/2024	0.0107	10.3	---	---
	BP1-W2	West Sidewall	0.5	6/10/2024	0.00195 J	2.41 J	---	---
	BP1-B2	Excavation Base	1.0	6/10/2024	0.201	6.41	---	---
	EB	Excavation Base	2.0	11/13/2024	<0.0044	---	---	---
NA	TA1-5	West of TA1-4	0.5	6/10/2024	---	---	3.42 J	25.4
NA	TA1-6	South of TA1-4	0.5	6/10/2024	---	---	7.13	41.2
MTCA Method A ULU					0.03	20	2,000	2,000
MTCA Simplified Terrestrial Ecological Evaluation ULU					NE	NE	460	NE

Notes:

DRO = diesel-range organics

RRO = residual-range organics

NWTPH = Northwest Total Petroleum Hydrocarbons

mg/kg = milligrams per kilogram

MTCA Method A = Soil cleanup levels for unrestricted land use (ULU) (Washington State Department of Ecology [Ecology], Model Toxics Control Act [MTCA], July 2024)

--- = not analyzed

< = not detected above indicated laboratory Method Detection Limit (MDL)

J = The identification of the analyte is acceptable; the reported value is an estimate.

NA = not applicable

NE = not established

Values in **bold** exceed laboratory MDLs

Highlighted values exceeds Method A cleanup level

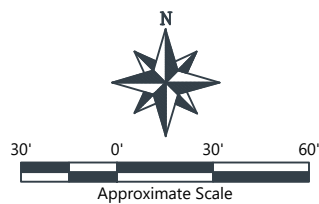
FIGURES



Legend and Notes:



Site Boundary

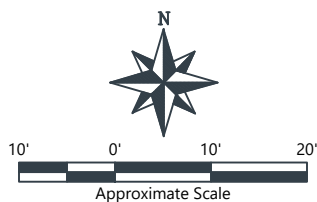


Title: Site Location Map			
Figure: 1	Prepared By: AS	Date: December 2024	Project Number: ES23-424487
Address: 503 Bella Street Sedro-Woolley, Washington 98284			
PARTNER Engineering and Science, Inc.			



Legend and Notes:

- Site Boundary
-  Soil Sample Location (October 2023)
-  Soil Sample Location (June 2024)



Title: **Remedial Investigation Sample Location Map**

Figure: 2	Prepared By: AS	Date: December 2024	Project Number: ES23-424487
---------------------	---------------------------	-------------------------------	---------------------------------------

Address:
**503 Bella Street
Sedro-Woolley, Washington 98284**

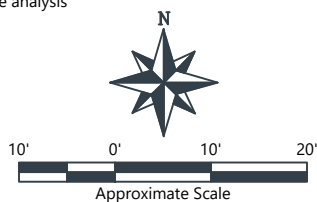
PARTNER
Engineering and Science, Inc.



Legend and Notes:

- Site Boundary
- ⊕ Excavation Confirmation Sample Location
- Excavation Area

- * Confirmation sample was collected on June 10, 2024 for benzene and arsenic analysis
- ** Confirmation sample was collected on November 13, 2024 for benzene analysis



Title: **Excavation Confirmation Sample Location Map**

Figure: 3	Prepared By: AS	Date: December 2024	Project Number: ES23-424487
---------------------	---------------------------	-------------------------------	---------------------------------------

Address:
**503 Bella Street
Sedro-Woolley, Washington 98284**

PARTNER
Engineering and Science, Inc.

APPENDIX A: LABORATORY ANALYTICAL REPORTS

Partner Engineering & Science - WA

Sample Delivery Group: L1672560
Samples Received: 11/01/2023
Project Number: 23-424487.1
Description: 503 Bella Street

Report To: Brian Godbois
2708 James Street
Bellingham, WA 98225

Entire Report Reviewed By:



Marty Edwards III
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

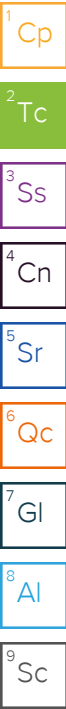
Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

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SAMPLE SUMMARY

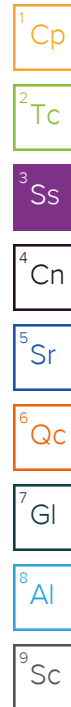
TA1-1 L1672560-01 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 13:20

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162887	1	11/03/23 07:57	11/03/23 08:07	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:20	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 02:40	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	5	11/06/23 12:46	11/07/23 11:02	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164465	44	10/27/23 13:20	11/04/23 19:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	10	11/04/23 17:50	11/05/23 02:09	KAP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	100	11/04/23 17:50	11/05/23 07:32	KAP	Mt. Juliet, TN



TA1-2 L1672560-02 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 13:25

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162887	1	11/03/23 07:57	11/03/23 08:07	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:22	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 02:42	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164465	44	10/27/23 13:25	11/04/23 20:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	5	11/04/23 17:50	11/05/23 02:22	KAP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	50	11/04/23 17:50	11/05/23 07:19	KAP	Mt. Juliet, TN

TA1-3 L1672560-03 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 13:30

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:26	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 02:45	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	5	11/06/23 12:46	11/07/23 11:05	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164465	47.3	10/27/23 13:30	11/04/23 20:35	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165001	7.56	10/27/23 13:30	11/06/23 01:14	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	10	11/04/23 17:50	11/05/23 01:42	KAP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	100	11/04/23 17:50	11/05/23 06:27	KAP	Mt. Juliet, TN

TA1-4 L1672560-04 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 13:35

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:29	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 02:53	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164465	45.8	10/27/23 13:35	11/04/23 20:55	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	1	11/04/23 17:50	11/05/23 01:12	KAP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	5	11/04/23 17:50	11/05/23 06:00	KAP	Mt. Juliet, TN

TA1-5-1 L1672560-05 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 13:40

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:36	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 02:56	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164465	41	10/27/23 13:40	11/04/23 21:14	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	1	11/04/23 17:50	11/05/23 01:25	KAP	Mt. Juliet, TN

SAMPLE SUMMARY

TA1-5-1 L1672560-05 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 13:40	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	10	11/04/23 17:50	11/05/23 07:06	KAP	Mt. Juliet, TN

TA2-1 L1672560-06 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 15:00	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:38	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 02:59	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164465	51.7	10/27/23 15:00	11/04/23 22:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	5	11/04/23 17:50	11/05/23 08:11	KAP	Mt. Juliet, TN

TA2-2 L1672560-07 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 15:05	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:41	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:02	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164465	60	10/27/23 15:05	11/04/23 22:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	2.4	10/27/23 15:05	11/06/23 03:47	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164549	5	11/04/23 17:50	11/05/23 01:56	KAP	Mt. Juliet, TN

TA2-3 L1672560-08 Solid

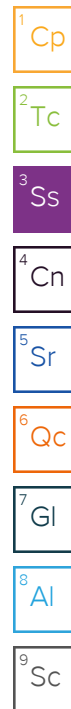
				Collected by Brian Godbois	Collected date/time 10/27/23 15:10	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:43	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:05	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164705	44.5	10/27/23 15:10	11/05/23 12:24	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	5	11/06/23 15:53	11/07/23 13:31	JAS	Mt. Juliet, TN

TA2-4 L1672560-09 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 15:15	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:46	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:07	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164705	43	10/27/23 15:15	11/05/23 12:48	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/07/23 01:32	KAP	Mt. Juliet, TN

TA2-1-1.5 L1672560-10 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 15:20	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:48	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:10	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164705	57.3	10/27/23 15:20	11/05/23 13:11	KSD	Mt. Juliet, TN



SAMPLE SUMMARY

TA2-1-1.5 L1672560-10 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 15:20	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/06/23 22:31	KAP	Mt. Juliet, TN

TA3-1 L1672560-11 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 14:05	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 14:52	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163460	1	11/02/23 16:39	11/05/23 23:36	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164705	41.3	10/27/23 14:05	11/05/23 13:34	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	50	11/06/23 15:53	11/07/23 03:11	KAP	Mt. Juliet, TN

TA4-1 L1672560-12 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 15:40	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162937	1	11/03/23 07:47	11/03/23 07:54	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 14:55	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163460	1	11/02/23 16:39	11/05/23 23:38	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164705	42	10/27/23 15:40	11/05/23 13:57	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	1.6	10/27/23 15:40	11/06/23 04:06	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	100	11/06/23 15:53	11/07/23 03:23	KAP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	400	11/06/23 15:53	11/07/23 14:37	JAS	Mt. Juliet, TN

TA4-2 L1672560-13 Solid

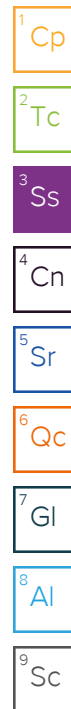
				Collected by Brian Godbois	Collected date/time 10/27/23 15:45	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 14:57	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163460	1	11/02/23 16:39	11/05/23 23:41	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164705	39	10/27/23 15:45	11/05/23 14:20	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/06/23 22:55	KAP	Mt. Juliet, TN

TA4-3 L1672560-14 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 15:50	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:08	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 08:42	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164705	46.5	10/27/23 15:50	11/05/23 14:43	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/07/23 00:55	KAP	Mt. Juliet, TN

TA4-4 L1672560-15 Solid

				Collected by Brian Godbois	Collected date/time 10/27/23 15:35	Received date/time 11/01/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:11	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 08:45	JTM	Mt. Juliet, TN



SAMPLE SUMMARY

TA4-4 L1672560-15 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 15:35

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	44.3	10/27/23 15:35	11/05/23 02:11	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	1.92	10/27/23 15:35	11/06/23 04:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/06/23 22:19	KAP	Mt. Juliet, TN

TA4-1-2 L1672560-16 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 15:42

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 14:45	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 08:53	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	46.8	10/27/23 15:42	11/05/23 02:30	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	10	11/06/23 15:53	11/07/23 02:59	KAP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	20	11/06/23 15:53	11/07/23 13:44	JAS	Mt. Juliet, TN

TA5-1 L1672560-17 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:35

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:13	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 08:56	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	59.5	10/27/23 16:35	11/05/23 03:02	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/07/23 00:43	KAP	Mt. Juliet, TN

TA5-2 L1672560-18 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:40

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:15	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 08:59	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	41.3	10/27/23 16:40	11/05/23 03:21	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/06/23 22:43	KAP	Mt. Juliet, TN

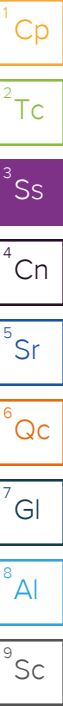
TA5-3 L1672560-19 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:45

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:18	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 09:01	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	46.3	10/27/23 16:45	11/05/23 03:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/07/23 00:30	KAP	Mt. Juliet, TN



SAMPLE SUMMARY

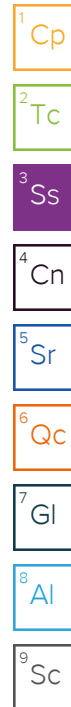
TA6-1 L1672560-20 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 17:00

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 12:58	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:13	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	42.5	10/27/23 17:00	11/05/23 07:32	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/06/23 22:06	KAP	Mt. Juliet, TN



TA6-2 L1672560-21 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 17:05

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 13:05	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:16	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	47.3	10/27/23 17:05	11/05/23 07:51	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164756	1	11/06/23 15:53	11/06/23 23:29	KAP	Mt. Juliet, TN

TA6-3 L1672560-22 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 17:10

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162938	1	11/03/23 07:38	11/03/23 07:44	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 13:08	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:18	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	5	11/06/23 12:46	11/07/23 11:08	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	39.5	10/27/23 17:10	11/05/23 08:11	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	1.57	10/27/23 17:10	11/06/23 04:45	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	1	11/05/23 13:28	11/06/23 01:11	KAP	Mt. Juliet, TN

TA6-4 L1672560-23 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 17:15

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 13:10	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:27	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	42.8	10/27/23 17:15	11/05/23 08:30	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	1	11/05/23 13:28	11/06/23 01:11	KAP	Mt. Juliet, TN

TA-7-1 L1672560-24 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 14:45

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2162992	1	11/05/23 13:49	11/06/23 13:13	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2162783	1	11/06/23 12:46	11/07/23 03:30	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	36	10/27/23 14:45	11/05/23 08:50	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	50	11/05/23 13:28	11/06/23 02:25	KAP	Mt. Juliet, TN

SAMPLE SUMMARY

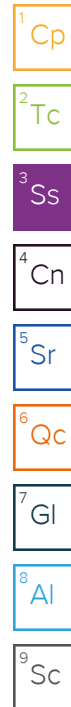
TA8-1 L1672560-25 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 14:15

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163006	1	11/02/23 14:29	11/03/23 16:12	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2164182	1	11/04/23 13:12	11/05/23 09:59	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	44.3	10/27/23 14:15	11/05/23 09:09	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	100	11/05/23 13:28	11/06/23 02:37	KAP	Mt. Juliet, TN



TA8-2 L1672560-26 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 14:20

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163006	1	11/02/23 14:29	11/03/23 16:19	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2164182	1	11/04/23 13:12	11/05/23 10:02	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	56.8	10/27/23 14:20	11/05/23 09:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	2.27	10/27/23 14:20	11/06/23 05:04	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	10	11/05/23 13:28	11/06/23 08:43	KAP	Mt. Juliet, TN

TA8-3 L1672560-27 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 14:25

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163006	1	11/02/23 14:29	11/03/23 16:22	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2164182	1	11/04/23 13:12	11/05/23 10:05	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	41.3	10/27/23 14:25	11/05/23 09:48	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	5	11/05/23 13:28	11/06/23 02:00	KAP	Mt. Juliet, TN

TA8-1-1.5 L1672560-28 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 14:30

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163006	.638	11/02/23 14:29	11/03/23 16:24	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2164182	1	11/04/23 13:12	11/05/23 13:35	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	44.8	10/27/23 14:30	11/05/23 10:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	1	11/05/23 13:28	11/06/23 00:34	KAP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	5	11/05/23 13:28	11/06/23 08:17	KAP	Mt. Juliet, TN

TA9-1 L1672560-29 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:10

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:20	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163460	1	11/02/23 16:39	11/05/23 23:50	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	46	10/27/23 16:10	11/05/23 10:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	5	11/05/23 13:28	11/06/23 02:13	KAP	Mt. Juliet, TN

SAMPLE SUMMARY

TA9-2 L1672560-30 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:15

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:23	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163460	1	11/02/23 16:39	11/05/23 23:52	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	44	10/27/23 16:15	11/05/23 11:00	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	1	11/05/23 13:28	11/06/23 00:59	KAP	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

TA10-1 L1672560-31 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:50

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:25	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163460	1	11/02/23 16:39	11/05/23 23:55	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	42.5	10/27/23 16:50	11/05/23 11:19	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	1	11/05/23 13:28	11/06/23 00:59	KAP	Mt. Juliet, TN

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

TA10-2 L1672560-32 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:55

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162939	1	11/03/23 07:29	11/03/23 07:36	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:28	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163460	1	11/02/23 16:39	11/05/23 23:58	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	43.3	10/27/23 16:55	11/05/23 12:50	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	1.73	10/27/23 16:55	11/06/23 05:23	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	1	11/05/23 13:28	11/06/23 00:47	KAP	Mt. Juliet, TN

⁹ Sc

TA10-3 L1672560-33 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 17:00

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162940	1	11/03/23 07:22	11/03/23 07:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:30	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 09:04	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	46	10/27/23 17:00	11/05/23 13:10	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	1	11/05/23 13:28	11/06/23 01:36	KAP	Mt. Juliet, TN

Collected by
Brian Godbois

Collected date/time
10/27/23 17:05

Received date/time
11/01/23 09:00

TA10-4 L1672560-34 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162940	1	11/03/23 07:22	11/03/23 07:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:38	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 09:07	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2164708	40.8	10/27/23 17:05	11/05/23 13:29	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	1	11/05/23 13:28	11/06/23 07:24	KAP	Mt. Juliet, TN

SAMPLE SUMMARY

TA11 L1672560-35 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:20

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162940	1	11/03/23 07:22	11/03/23 07:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:40	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 08:25	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2166972	36.8	10/27/23 16:20	11/08/23 14:14	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	1.78	10/27/23 16:20	11/06/23 05:42	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	5	11/05/23 13:28	11/06/23 01:48	KAP	Mt. Juliet, TN

TA12 L1672560-36 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 16:25

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162940	1	11/03/23 07:22	11/03/23 07:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:43	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 09:10	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2165256	38.8	10/27/23 16:25	11/06/23 17:09	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	2.2	10/27/23 16:25	11/06/23 06:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	5	11/05/23 13:28	11/06/23 01:36	KAP	Mt. Juliet, TN

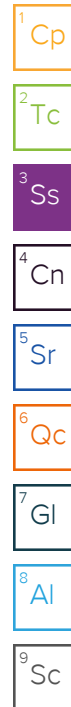
BP1 L1672560-37 Solid

Collected by
Brian Godbois

Collected date/time
10/27/23 17:20

Received date/time
11/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2162940	1	11/03/23 07:22	11/03/23 07:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2163005	1	11/05/23 13:43	11/06/23 15:45	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2163347	1	11/02/23 20:21	11/03/23 09:13	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2165737	59	10/27/23 17:20	11/07/23 01:38	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2165003	1.96	10/27/23 17:20	11/06/23 06:20	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2164773	5	11/05/23 13:28	11/06/23 02:13	KAP	Mt. Juliet, TN

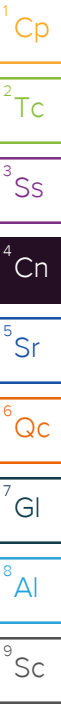


CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Marty Edwards III
Project Manager



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	11/03/2023 08:07	WG2162887

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0231	<u>J</u>	0.0191	0.0424	1	11/06/2023 12:20	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.30		0.550	2.12	1	11/07/2023 02:40	WG2162783
Barium	30.8		0.0904	0.531	1	11/07/2023 02:40	WG2162783
Cadmium	0.115	<u>J</u>	0.0500	0.531	1	11/07/2023 02:40	WG2162783
Chromium	12.8		0.141	1.06	1	11/07/2023 02:40	WG2162783
Lead	17.1		0.221	0.531	1	11/07/2023 02:40	WG2162783
Selenium	U		0.811	2.12	1	11/07/2023 02:40	WG2162783
Silver	U		0.674	5.31	5	11/07/2023 11:02	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

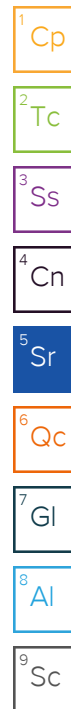
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.36	<u>J J3</u>	1.63	4.82	44	11/04/2023 19:57	WG2164465
(S) a,a,a-Trifluorotoluene(FID)	95.9			77.0-120		11/04/2023 19:57	WG2164465

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	915		14.1	42.4	10	11/05/2023 02:09	WG2164549
Residual Range Organics (RRO)	9650		353	1060	100	11/05/2023 07:32	WG2164549
(S) o-Terphenyl	50.1			18.0-148		11/05/2023 02:09	WG2164549
(S) o-Terphenyl	0.000	<u>J7</u>		18.0-148		11/05/2023 07:32	WG2164549

Sample Narrative:

L1672560-01 WG2164549: Sample resembles laboratory standard for Motor Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	11/03/2023 08:07	WG2162887

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0190	0.0423	1	11/06/2023 12:22	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.76	J	0.548	2.12	1	11/07/2023 02:42	WG2162783
Barium	32.1		0.0901	0.529	1	11/07/2023 02:42	WG2162783
Cadmium	0.0918	J	0.0498	0.529	1	11/07/2023 02:42	WG2162783
Chromium	10.2		0.141	1.06	1	11/07/2023 02:42	WG2162783
Lead	7.83		0.220	0.529	1	11/07/2023 02:42	WG2162783
Selenium	U		0.808	2.12	1	11/07/2023 02:42	WG2162783
Silver	U		0.134	1.06	1	11/07/2023 02:42	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

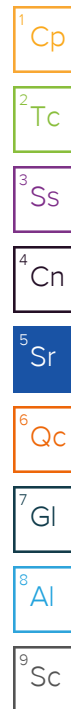
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	13.1	J3	1.62	4.80	44	11/04/2023 20:16	WG2164465
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		11/04/2023 20:16	WG2164465

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	731		7.03	21.2	5	11/05/2023 02:22	WG2164549
Residual Range Organics (RRO)	6350		176	529	50	11/05/2023 07:19	WG2164549
(S) o-Terphenyl	10.2	J2		18.0-148		11/05/2023 02:22	WG2164549
(S) o-Terphenyl	0.000	J7		18.0-148		11/05/2023 07:19	WG2164549

Sample Narrative:

L1672560-02 WG2164549: Sample resembles laboratory standard for Hydraulic Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.5		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0195	<u>J</u>	0.0188	0.0419	1	11/06/2023 12:26	WG2162992

Metals (ICP) by Method 6010D

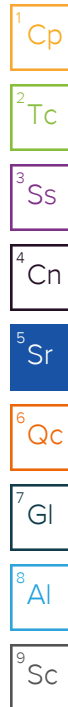
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.26		0.542	2.09	1	11/07/2023 02:45	WG2162783
Barium	41.8		0.0892	0.523	1	11/07/2023 02:45	WG2162783
Cadmium	0.130	<u>J</u>	0.0493	0.523	1	11/07/2023 02:45	WG2162783
Chromium	24.5		0.139	1.05	1	11/07/2023 02:45	WG2162783
Lead	13.8		0.218	0.523	1	11/07/2023 02:45	WG2162783
Selenium	U		0.800	2.09	1	11/07/2023 02:45	WG2162783
Silver	U		0.665	5.23	5	11/07/2023 11:05	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.64	<u>J J3</u>	1.71	5.07	47.3	11/04/2023 20:35	WG2164465
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120		11/04/2023 20:35	WG2164465

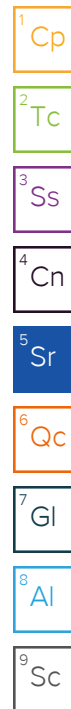
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	<u>J4</u>	0.296	0.405	7.56	11/06/2023 01:14	WG2165001
Acrylonitrile	U		0.0293	0.101	7.56	11/06/2023 01:14	WG2165001
Benzene	U		0.00378	0.00810	7.56	11/06/2023 01:14	WG2165001
Bromobenzene	U		0.00729	0.101	7.56	11/06/2023 01:14	WG2165001
Bromodichloromethane	U		0.00587	0.0203	7.56	11/06/2023 01:14	WG2165001
Bromoform	U		0.00948	0.203	7.56	11/06/2023 01:14	WG2165001
Bromomethane	U		0.0160	0.101	7.56	11/06/2023 01:14	WG2165001
n-Butylbenzene	U	<u>J3 J4</u>	0.0425	0.101	7.56	11/06/2023 01:14	WG2165001
sec-Butylbenzene	U	<u>J3 J4</u>	0.0234	0.101	7.56	11/06/2023 01:14	WG2165001
tert-Butylbenzene	U		0.0158	0.0405	7.56	11/06/2023 01:14	WG2165001
Carbon tetrachloride	U		0.00728	0.0405	7.56	11/06/2023 01:14	WG2165001
Chlorobenzene	U		0.00170	0.0203	7.56	11/06/2023 01:14	WG2165001
Chlorodibromomethane	U		0.00496	0.0203	7.56	11/06/2023 01:14	WG2165001
Chloroethane	U		0.0138	0.0405	7.56	11/06/2023 01:14	WG2165001
Chloroform	U		0.00835	0.0203	7.56	11/06/2023 01:14	WG2165001
Chloromethane	U		0.0353	0.101	7.56	11/06/2023 01:14	WG2165001
2-Chlorotoluene	U		0.00701	0.0203	7.56	11/06/2023 01:14	WG2165001
4-Chlorotoluene	U		0.00364	0.0405	7.56	11/06/2023 01:14	WG2165001
1,2-Dibromo-3-Chloropropane	U		0.0316	0.203	7.56	11/06/2023 01:14	WG2165001
1,2-Dibromoethane	U		0.00525	0.0203	7.56	11/06/2023 01:14	WG2165001
Dibromomethane	U		0.00608	0.0405	7.56	11/06/2023 01:14	WG2165001
1,2-Dichlorobenzene	U		0.00344	0.0405	7.56	11/06/2023 01:14	WG2165001
1,3-Dichlorobenzene	U		0.00486	0.0405	7.56	11/06/2023 01:14	WG2165001
1,4-Dichlorobenzene	U		0.00567	0.0405	7.56	11/06/2023 01:14	WG2165001
Dichlorodifluoromethane	U		0.0131	0.0405	7.56	11/06/2023 01:14	WG2165001
1,1-Dichloroethane	U		0.00398	0.0203	7.56	11/06/2023 01:14	WG2165001
1,2-Dichloroethane	U		0.00526	0.0203	7.56	11/06/2023 01:14	WG2165001



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00491	0.0203	7.56	11/06/2023 01:14	WG2165001
cis-1,2-Dichloroethene	U		0.00595	0.0203	7.56	11/06/2023 01:14	WG2165001
trans-1,2-Dichloroethene	U		0.00842	0.0405	7.56	11/06/2023 01:14	WG2165001
1,2-Dichloropropane	U		0.0115	0.0405	7.56	11/06/2023 01:14	WG2165001
1,1-Dichloropropene	U		0.00656	0.0203	7.56	11/06/2023 01:14	WG2165001
1,3-Dichloropropane	U		0.00406	0.0405	7.56	11/06/2023 01:14	WG2165001
cis-1,3-Dichloropropene	U		0.00613	0.0203	7.56	11/06/2023 01:14	WG2165001
trans-1,3-Dichloropropene	U		0.00924	0.0405	7.56	11/06/2023 01:14	WG2165001
2,2-Dichloropropane	U		0.0111	0.0203	7.56	11/06/2023 01:14	WG2165001
Di-isopropyl ether	U		0.00332	0.00810	7.56	11/06/2023 01:14	WG2165001
Ethylbenzene	U		0.00597	0.0203	7.56	11/06/2023 01:14	WG2165001
Hexachloro-1,3-butadiene	U	J3	0.0486	0.203	7.56	11/06/2023 01:14	WG2165001
Isopropylbenzene	U		0.00344	0.0203	7.56	11/06/2023 01:14	WG2165001
p-Isopropyltoluene	U	J3 J4	0.0207	0.0405	7.56	11/06/2023 01:14	WG2165001
2-Butanone (MEK)	U	J3	0.514	0.810	7.56	11/06/2023 01:14	WG2165001
Methylene Chloride	U		0.0538	0.203	7.56	11/06/2023 01:14	WG2165001
4-Methyl-2-pentanone (MIBK)	U		0.0184	0.203	7.56	11/06/2023 01:14	WG2165001
Methyl tert-butyl ether	U		0.00284	0.00810	7.56	11/06/2023 01:14	WG2165001
Naphthalene	U	C3	0.0395	0.101	7.56	11/06/2023 01:14	WG2165001
n-Propylbenzene	U	J3	0.00769	0.0405	7.56	11/06/2023 01:14	WG2165001
Styrene	U		0.00185	0.101	7.56	11/06/2023 01:14	WG2165001
1,1,1,2-Tetrachloroethane	U		0.00768	0.0203	7.56	11/06/2023 01:14	WG2165001
1,1,2,2-Tetrachloroethane	U		0.00563	0.0203	7.56	11/06/2023 01:14	WG2165001
1,1,2-Trichlorotrifluoroethane	U		0.00611	0.0203	7.56	11/06/2023 01:14	WG2165001
Tetrachloroethene	U		0.00725	0.0203	7.56	11/06/2023 01:14	WG2165001
Toluene	0.0146	J	0.0105	0.0405	7.56	11/06/2023 01:14	WG2165001
1,2,3-Trichlorobenzene	U		0.0594	0.101	7.56	11/06/2023 01:14	WG2165001
1,2,4-Trichlorobenzene	U		0.0357	0.101	7.56	11/06/2023 01:14	WG2165001
1,1,1-Trichloroethane	U		0.00748	0.0203	7.56	11/06/2023 01:14	WG2165001
1,1,2-Trichloroethane	U		0.00483	0.0203	7.56	11/06/2023 01:14	WG2165001
Trichloroethene	U		0.00474	0.00810	7.56	11/06/2023 01:14	WG2165001
Trichlorofluoromethane	U		0.00670	0.0203	7.56	11/06/2023 01:14	WG2165001
1,2,3-Trichloropropane	U		0.0131	0.101	7.56	11/06/2023 01:14	WG2165001
1,2,4-Trimethylbenzene	U		0.0128	0.0405	7.56	11/06/2023 01:14	WG2165001
1,2,3-Trimethylbenzene	U		0.0128	0.0405	7.56	11/06/2023 01:14	WG2165001
1,3,5-Trimethylbenzene	U		0.0162	0.0405	7.56	11/06/2023 01:14	WG2165001
Vinyl chloride	U		0.00940	0.0203	7.56	11/06/2023 01:14	WG2165001
Xylenes, Total	0.0103	J	0.00713	0.0526	7.56	11/06/2023 01:14	WG2165001
(S) Toluene-d8	99.2			75.0-131		11/06/2023 01:14	WG2165001
(S) 4-Bromofluorobenzene	93.1			67.0-138		11/06/2023 01:14	WG2165001
(S) 1,2-Dichloroethane-d4	101			70.0-130		11/06/2023 01:14	WG2165001



Sample Narrative:

L1672560-03 WG2165001: Elevated RL due to foamy matrix.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1130		13.9	41.9	10	11/05/2023 01:42	WG2164549
Residual Range Organics (RRO)	10900		349	1050	100	11/05/2023 06:27	WG2164549
(S) o-Terphenyl	44.7			18.0-148		11/05/2023 01:42	WG2164549
(S) o-Terphenyl	0.000	J7		18.0-148		11/05/2023 06:27	WG2164549

Sample Narrative:

L1672560-03 WG2164549: Sample resembles laboratory standard for Hydraulic Oil.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.7		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0188	0.0418	1	11/06/2023 12:29	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.15		0.541	2.09	1	11/07/2023 02:53	WG2162783
Barium	37.5		0.0890	0.522	1	11/07/2023 02:53	WG2162783
Cadmium	U		0.0492	0.522	1	11/07/2023 02:53	WG2162783
Chromium	7.25		0.139	1.04	1	11/07/2023 02:53	WG2162783
Lead	8.67		0.217	0.522	1	11/07/2023 02:53	WG2162783
Selenium	U		0.798	2.09	1	11/07/2023 02:53	WG2162783
Silver	U		0.133	1.04	1	11/07/2023 02:53	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

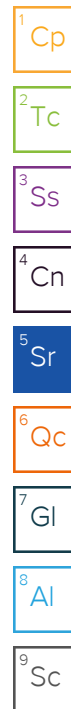
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.32	J J3	1.66	4.90	45.8	11/04/2023 20:55	WG2164465
(S) a,a,a-Trifluorotoluene(FID)	98.7			77.0-120		11/04/2023 20:55	WG2164465

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	75.3		1.39	4.18	1	11/05/2023 01:12	WG2164549
Residual Range Organics (RRO)	584		17.3	52.2	5	11/05/2023 06:00	WG2164549
(S) o-Terphenyl	28.3			18.0-148		11/05/2023 01:12	WG2164549
(S) o-Terphenyl	24.9			18.0-148		11/05/2023 06:00	WG2164549

Sample Narrative:

L1672560-04 WG2164549: Sample resembles laboratory standard for Hydraulic Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.5		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Mercury	0.0478		0.0186	0.0414	1	11/06/2023 12:36	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	3.86		0.537	2.07	1	11/07/2023 02:56	WG2162783
Barium	32.5		0.0883	0.518	1	11/07/2023 02:56	WG2162783
Cadmium	U		0.0488	0.518	1	11/07/2023 02:56	WG2162783
Chromium	14.4		0.138	1.04	1	11/07/2023 02:56	WG2162783
Lead	7.11		0.215	0.518	1	11/07/2023 02:56	WG2162783
Selenium	U		0.791	2.07	1	11/07/2023 02:56	WG2162783
Silver	U		0.132	1.04	1	11/07/2023 02:56	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2.15	J J3	1.47	4.34	41	11/04/2023 21:14	WG2164465
(S) a,a,a-Trifluorotoluene(FID)	99.6			77.0-120		11/04/2023 21:14	WG2164465

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	142		1.38	4.14	1	11/05/2023 01:25	WG2164549
Residual Range Organics (RRO)	1060		34.5	104	10	11/05/2023 07:06	WG2164549
(S) o-Terphenyl	0.000	J2		18.0-148		11/05/2023 01:25	WG2164549
(S) o-Terphenyl	73.7			18.0-148		11/05/2023 07:06	WG2164549

Sample Narrative:

L1672560-05 WG2164549: Sample resembles laboratory standard for Hydraulic Oil.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0192	0.0427	1	11/06/2023 12:38	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.68	<u>J</u>	0.554	2.14	1	11/07/2023 02:59	WG2162783
Barium	30.9		0.0910	0.534	1	11/07/2023 02:59	WG2162783
Cadmium	0.116	<u>J</u>	0.0503	0.534	1	11/07/2023 02:59	WG2162783
Chromium	12.4		0.142	1.07	1	11/07/2023 02:59	WG2162783
Lead	10.9		0.222	0.534	1	11/07/2023 02:59	WG2162783
Selenium	U		0.816	2.14	1	11/07/2023 02:59	WG2162783
Silver	U		0.136	1.07	1	11/07/2023 02:59	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	12.3	<u>J3</u>	1.93	5.70	51.7	11/04/2023 22:07	WG2164465
(S) a,a,a-Trifluorotoluene(FID)	96.3			77.0-120		11/04/2023 22:07	WG2164465

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	24.0		7.11	21.4	5	11/05/2023 08:11	WG2164549
Residual Range Organics (RRO)	106		17.7	53.4	5	11/05/2023 08:11	WG2164549
(S) o-Terphenyl	40.6			18.0-148		11/05/2023 08:11	WG2164549

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Mercury	U		0.0189	0.0420	1	11/06/2023 12:41	WG2162992

Metals (ICP) by Method 6010D

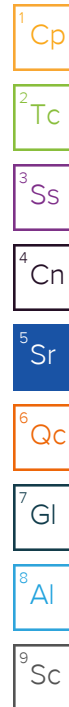
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	3.55		0.544	2.10	1	11/07/2023 03:02	WG2162783
Barium	34.6		0.0895	0.525	1	11/07/2023 03:02	WG2162783
Cadmium	0.0816	J	0.0495	0.525	1	11/07/2023 03:02	WG2162783
Chromium	10.4		0.140	1.05	1	11/07/2023 03:02	WG2162783
Lead	10.4		0.218	0.525	1	11/07/2023 03:02	WG2162783
Selenium	U		0.802	2.10	1	11/07/2023 03:02	WG2162783
Silver	U		0.133	1.05	1	11/07/2023 03:02	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	3.20	J	2.17	6.43	60	11/04/2023 22:27	WG2164465
(S) a,a,a-Trifluorotoluene(FID)	95.8			77.0-120		11/04/2023 22:27	WG2164465

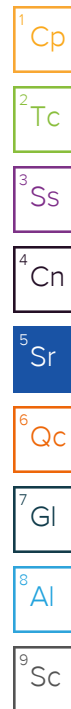
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Acetone	U		0.0938	0.129	2.4	11/06/2023 03:47	WG2165003
Acrylonitrile	U		0.00928	0.0321	2.4	11/06/2023 03:47	WG2165003
Benzene	U		0.00120	0.00257	2.4	11/06/2023 03:47	WG2165003
Bromobenzene	U		0.00231	0.0321	2.4	11/06/2023 03:47	WG2165003
Bromodichloromethane	U		0.00186	0.00643	2.4	11/06/2023 03:47	WG2165003
Bromoform	U		0.00301	0.0643	2.4	11/06/2023 03:47	WG2165003
Bromomethane	U		0.00507	0.0321	2.4	11/06/2023 03:47	WG2165003
n-Butylbenzene	U	C3	0.0135	0.0321	2.4	11/06/2023 03:47	WG2165003
sec-Butylbenzene	U		0.00740	0.0321	2.4	11/06/2023 03:47	WG2165003
tert-Butylbenzene	U		0.00501	0.0129	2.4	11/06/2023 03:47	WG2165003
Carbon tetrachloride	U		0.00231	0.0129	2.4	11/06/2023 03:47	WG2165003
Chlorobenzene	U		0.000540	0.00643	2.4	11/06/2023 03:47	WG2165003
Chlorodibromomethane	U		0.00157	0.00643	2.4	11/06/2023 03:47	WG2165003
Chloroethane	U		0.00437	0.0129	2.4	11/06/2023 03:47	WG2165003
Chloroform	U		0.00265	0.00643	2.4	11/06/2023 03:47	WG2165003
Chloromethane	U	C3	0.0111	0.0321	2.4	11/06/2023 03:47	WG2165003
2-Chlorotoluene	U		0.00223	0.00643	2.4	11/06/2023 03:47	WG2165003
4-Chlorotoluene	U		0.00116	0.0129	2.4	11/06/2023 03:47	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.0100	0.0643	2.4	11/06/2023 03:47	WG2165003
1,2-Dibromoethane	U		0.00167	0.00643	2.4	11/06/2023 03:47	WG2165003
Dibromomethane	U		0.00193	0.0129	2.4	11/06/2023 03:47	WG2165003
1,2-Dichlorobenzene	U		0.00109	0.0129	2.4	11/06/2023 03:47	WG2165003
1,3-Dichlorobenzene	U		0.00154	0.0129	2.4	11/06/2023 03:47	WG2165003
1,4-Dichlorobenzene	U		0.00180	0.0129	2.4	11/06/2023 03:47	WG2165003
Dichlorodifluoromethane	U		0.00414	0.0129	2.4	11/06/2023 03:47	WG2165003
1,1-Dichloroethane	U		0.00126	0.00643	2.4	11/06/2023 03:47	WG2165003
1,2-Dichloroethane	U		0.00167	0.00643	2.4	11/06/2023 03:47	WG2165003



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00155	0.00643	2.4	11/06/2023 03:47	WG2165003
cis-1,2-Dichloroethene	U		0.00189	0.00643	2.4	11/06/2023 03:47	WG2165003
trans-1,2-Dichloroethene	U		0.00268	0.0129	2.4	11/06/2023 03:47	WG2165003
1,2-Dichloropropane	U		0.00365	0.0129	2.4	11/06/2023 03:47	WG2165003
1,1-Dichloropropene	U		0.00208	0.00643	2.4	11/06/2023 03:47	WG2165003
1,3-Dichloropropane	U		0.00129	0.0129	2.4	11/06/2023 03:47	WG2165003
cis-1,3-Dichloropropene	U		0.00195	0.00643	2.4	11/06/2023 03:47	WG2165003
trans-1,3-Dichloropropene	U		0.00294	0.0129	2.4	11/06/2023 03:47	WG2165003
2,2-Dichloropropane	U		0.00355	0.00643	2.4	11/06/2023 03:47	WG2165003
Di-isopropyl ether	U		0.00105	0.00257	2.4	11/06/2023 03:47	WG2165003
Ethylbenzene	U		0.00190	0.00643	2.4	11/06/2023 03:47	WG2165003
Hexachloro-1,3-butadiene	U		0.0154	0.0643	2.4	11/06/2023 03:47	WG2165003
Isopropylbenzene	U		0.00109	0.00643	2.4	11/06/2023 03:47	WG2165003
p-Isopropyltoluene	U		0.00656	0.0129	2.4	11/06/2023 03:47	WG2165003
2-Butanone (MEK)	U	J3	0.163	0.257	2.4	11/06/2023 03:47	WG2165003
Methylene Chloride	U		0.0170	0.0643	2.4	11/06/2023 03:47	WG2165003
4-Methyl-2-pentanone (MIBK)	U		0.00586	0.0643	2.4	11/06/2023 03:47	WG2165003
Methyl tert-butyl ether	U		0.000900	0.00257	2.4	11/06/2023 03:47	WG2165003
Naphthalene	U	C3	0.0125	0.0321	2.4	11/06/2023 03:47	WG2165003
n-Propylbenzene	U		0.00244	0.0129	2.4	11/06/2023 03:47	WG2165003
Styrene	U	C3	0.000589	0.0321	2.4	11/06/2023 03:47	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00244	0.00643	2.4	11/06/2023 03:47	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00179	0.00643	2.4	11/06/2023 03:47	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00194	0.00643	2.4	11/06/2023 03:47	WG2165003
Tetrachloroethene	U		0.00230	0.00643	2.4	11/06/2023 03:47	WG2165003
Toluene	0.0126	J	0.00334	0.0129	2.4	11/06/2023 03:47	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0189	0.0321	2.4	11/06/2023 03:47	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.0114	0.0321	2.4	11/06/2023 03:47	WG2165003
1,1,1-Trichloroethane	U		0.00238	0.00643	2.4	11/06/2023 03:47	WG2165003
1,1,2-Trichloroethane	U		0.00153	0.00643	2.4	11/06/2023 03:47	WG2165003
Trichloroethene	U		0.00150	0.00257	2.4	11/06/2023 03:47	WG2165003
Trichlorofluoromethane	U		0.00212	0.00643	2.4	11/06/2023 03:47	WG2165003
1,2,3-Trichloropropane	U		0.00417	0.0321	2.4	11/06/2023 03:47	WG2165003
1,2,4-Trimethylbenzene	U		0.00406	0.0129	2.4	11/06/2023 03:47	WG2165003
1,2,3-Trimethylbenzene	U		0.00406	0.0129	2.4	11/06/2023 03:47	WG2165003
1,3,5-Trimethylbenzene	U		0.00514	0.0129	2.4	11/06/2023 03:47	WG2165003
Vinyl chloride	U	C3	0.00298	0.00643	2.4	11/06/2023 03:47	WG2165003
Xylenes, Total	0.00656	J	0.00226	0.0167	2.4	11/06/2023 03:47	WG2165003
(S) Toluene-d8	101			75.0-131		11/06/2023 03:47	WG2165003
(S) 4-Bromofluorobenzene	93.0			67.0-138		11/06/2023 03:47	WG2165003
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		11/06/2023 03:47	WG2165003



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	11.1	J	6.98	21.0	5	11/05/2023 01:56	WG2164549
Residual Range Organics (RRO)	71.6		17.4	52.5	5	11/05/2023 01:56	WG2164549
(S) o-Terphenyl	42.3			18.0-148		11/05/2023 01:56	WG2164549

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0191	0.0424	1	11/06/2023 12:43	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.85	<u>J</u>	0.549	2.12	1	11/07/2023 03:05	WG2162783
Barium	37.0		0.0903	0.530	1	11/07/2023 03:05	WG2162783
Cadmium	0.119	<u>J</u>	0.0499	0.530	1	11/07/2023 03:05	WG2162783
Chromium	6.41		0.141	1.06	1	11/07/2023 03:05	WG2162783
Lead	9.69		0.221	0.530	1	11/07/2023 03:05	WG2162783
Selenium	U		0.810	2.12	1	11/07/2023 03:05	WG2162783
Silver	U		0.135	1.06	1	11/07/2023 03:05	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

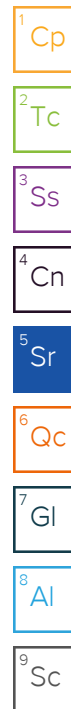
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.65	4.87	44.5	11/05/2023 12:24	WG2164705
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		11/05/2023 12:24	WG2164705

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	12.8	<u>J</u>	7.05	21.2	5	11/07/2023 13:31	WG2164756
Residual Range Organics (RRO)	70.6		17.6	53.0	5	11/07/2023 13:31	WG2164756
(S) o-Terphenyl	36.6			18.0-148		11/07/2023 13:31	WG2164756

Sample Narrative:

L1672560-08 WG2164756: Cannot run at lower dilution due to viscosity of extract



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0189	0.0421	1	11/06/2023 12:46	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.07	<u>J</u>	0.545	2.10	1	11/07/2023 03:07	WG2162783
Barium	35.2		0.0896	0.526	1	11/07/2023 03:07	WG2162783
Cadmium	U		0.0495	0.526	1	11/07/2023 03:07	WG2162783
Chromium	10.6		0.140	1.05	1	11/07/2023 03:07	WG2162783
Lead	5.45		0.219	0.526	1	11/07/2023 03:07	WG2162783
Selenium	U		0.803	2.10	1	11/07/2023 03:07	WG2162783
Silver	U		0.134	1.05	1	11/07/2023 03:07	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

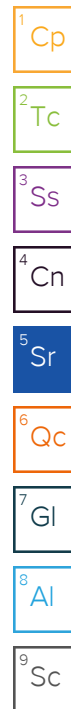
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.89	<u>J</u>	1.58	4.65	43	11/05/2023 12:48	WG2164705
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		11/05/2023 12:48	WG2164705

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	5.40		1.40	4.21	1	11/07/2023 01:32	WG2164756
Residual Range Organics (RRO)	32.9		3.50	10.5	1	11/07/2023 01:32	WG2164756
(S) o-Terphenyl	67.9			18.0-148		11/07/2023 01:32	WG2164756

Sample Narrative:

L1672560-09 WG2164756: Sample resembles laboratory standard for Hydraulic Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0347	<u>J</u>	0.0194	0.0431	1	11/06/2023 12:48	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.25		0.557	2.15	1	11/07/2023 03:10	WG2162783
Barium	90.7		0.0917	0.538	1	11/07/2023 03:10	WG2162783
Cadmium	U		0.0507	0.538	1	11/07/2023 03:10	WG2162783
Chromium	15.0		0.143	1.08	1	11/07/2023 03:10	WG2162783
Lead	7.42		0.224	0.538	1	11/07/2023 03:10	WG2162783
Selenium	U		0.822	2.15	1	11/07/2023 03:10	WG2162783
Silver	U		0.137	1.08	1	11/07/2023 03:10	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

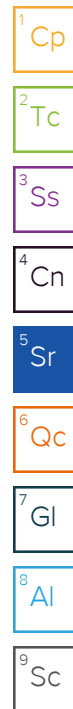
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.53	<u>J</u>	2.15	6.36	57.3	11/05/2023 13:11	WG2164705
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		11/05/2023 13:11	WG2164705

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	2.67	<u>J</u>	1.43	4.31	1	11/06/2023 22:31	WG2164756
Residual Range Organics (RRO)	11.8		3.58	10.8	1	11/06/2023 22:31	WG2164756
(S) o-Terphenyl	63.6			18.0-148		11/06/2023 22:31	WG2164756

Sample Narrative:

L1672560-10 WG2164756: Sample resembles laboratory standard for Fuel Oil #6.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0187	0.0415	1	11/06/2023 14:52	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.56	<u>J</u>	0.537	2.07	1	11/05/2023 23:36	WG2163460
Barium	39.0		0.0884	0.519	1	11/05/2023 23:36	WG2163460
Cadmium	U		0.0489	0.519	1	11/05/2023 23:36	WG2163460
Chromium	13.9		0.138	1.04	1	11/05/2023 23:36	WG2163460
Lead	10.9		0.216	0.519	1	11/05/2023 23:36	WG2163460
Selenium	U		0.793	2.07	1	11/05/2023 23:36	WG2163460
Silver	U		0.132	1.04	1	11/05/2023 23:36	WG2163460

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.04	<u>J</u>	1.48	4.38	41.3	11/05/2023 13:34	WG2164705
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	103			77.0-120		11/05/2023 13:34	WG2164705

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	995		69.0	207	50	11/07/2023 03:11	WG2164756
Residual Range Organics (RRO)	8110		172	519	50	11/07/2023 03:11	WG2164756
(S) <i>o</i> -Terphenyl	0.000	<u>J7</u>		18.0-148		11/07/2023 03:11	WG2164756

Sample Narrative:

L1672560-11 WG2164756: Sample resembles laboratory standard for Motor Oil.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	11/03/2023 07:54	WG2162937

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0513		0.0207	0.0459	1	11/06/2023 14:55	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.97		0.595	2.30	1	11/05/2023 23:38	WG2163460
Barium	56.8		0.0978	0.574	1	11/05/2023 23:38	WG2163460
Cadmium	U		0.0541	0.574	1	11/05/2023 23:38	WG2163460
Chromium	34.0		0.153	1.15	1	11/05/2023 23:38	WG2163460
Lead	195		0.239	0.574	1	11/05/2023 23:38	WG2163460
Selenium	U		0.877	2.30	1	11/05/2023 23:38	WG2163460
Silver	U		0.146	1.15	1	11/05/2023 23:38	WG2163460

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	17.2		1.76	5.19	42	11/05/2023 13:57	WG2164705
(S) a,a,a-Trifluorotoluene(FID)	105			77.0-120		11/05/2023 13:57	WG2164705

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0725	0.0993	1.6	11/06/2023 04:06	WG2165003
Acrylonitrile	U		0.00717	0.0248	1.6	11/06/2023 04:06	WG2165003
Benzene	0.00203		0.000927	0.00199	1.6	11/06/2023 04:06	WG2165003
Bromobenzene	U		0.00179	0.0248	1.6	11/06/2023 04:06	WG2165003
Bromodichloromethane	U		0.00144	0.00496	1.6	11/06/2023 04:06	WG2165003
Bromoform	U		0.00232	0.0496	1.6	11/06/2023 04:06	WG2165003
Bromomethane	U		0.00391	0.0248	1.6	11/06/2023 04:06	WG2165003
n-Butylbenzene	U	C3	0.0104	0.0248	1.6	11/06/2023 04:06	WG2165003
sec-Butylbenzene	U		0.00572	0.0248	1.6	11/06/2023 04:06	WG2165003
tert-Butylbenzene	U		0.00387	0.00993	1.6	11/06/2023 04:06	WG2165003
Carbon tetrachloride	U		0.00179	0.00993	1.6	11/06/2023 04:06	WG2165003
Chlorobenzene	U		0.000417	0.00496	1.6	11/06/2023 04:06	WG2165003
Chlorodibromomethane	U		0.00121	0.00496	1.6	11/06/2023 04:06	WG2165003
Chloroethane	U		0.00337	0.00993	1.6	11/06/2023 04:06	WG2165003
Chloroform	U		0.00205	0.00496	1.6	11/06/2023 04:06	WG2165003
Chloromethane	U	C3	0.00863	0.0248	1.6	11/06/2023 04:06	WG2165003
2-Chlorotoluene	U		0.00171	0.00496	1.6	11/06/2023 04:06	WG2165003
4-Chlorotoluene	U		0.000893	0.00993	1.6	11/06/2023 04:06	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.00774	0.0496	1.6	11/06/2023 04:06	WG2165003
1,2-Dibromoethane	U		0.00129	0.00496	1.6	11/06/2023 04:06	WG2165003
Dibromomethane	U		0.00149	0.00993	1.6	11/06/2023 04:06	WG2165003
1,2-Dichlorobenzene	U		0.000844	0.00993	1.6	11/06/2023 04:06	WG2165003
1,3-Dichlorobenzene	U		0.00119	0.00993	1.6	11/06/2023 04:06	WG2165003
1,4-Dichlorobenzene	U		0.00139	0.00993	1.6	11/06/2023 04:06	WG2165003
Dichlorodifluoromethane	U		0.00320	0.00993	1.6	11/06/2023 04:06	WG2165003
1,1-Dichloroethane	U		0.000975	0.00496	1.6	11/06/2023 04:06	WG2165003
1,2-Dichloroethane	U		0.00129	0.00496	1.6	11/06/2023 04:06	WG2165003

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00120	0.00496	1.6	11/06/2023 04:06	WG2165003
cis-1,2-Dichloroethene	U		0.00145	0.00496	1.6	11/06/2023 04:06	WG2165003
trans-1,2-Dichloroethene	U		0.00206	0.00993	1.6	11/06/2023 04:06	WG2165003
1,2-Dichloropropane	U		0.00282	0.00993	1.6	11/06/2023 04:06	WG2165003
1,1-Dichloropropene	U		0.00160	0.00496	1.6	11/06/2023 04:06	WG2165003
1,3-Dichloropropane	U		0.000995	0.00993	1.6	11/06/2023 04:06	WG2165003
cis-1,3-Dichloropropene	U		0.00150	0.00496	1.6	11/06/2023 04:06	WG2165003
trans-1,3-Dichloropropene	U		0.00226	0.00993	1.6	11/06/2023 04:06	WG2165003
2,2-Dichloropropane	U		0.00274	0.00496	1.6	11/06/2023 04:06	WG2165003
Di-isopropyl ether	U		0.000814	0.00199	1.6	11/06/2023 04:06	WG2165003
Ethylbenzene	0.00868		0.00146	0.00496	1.6	11/06/2023 04:06	WG2165003
Hexachloro-1,3-butadiene	U		0.0119	0.0496	1.6	11/06/2023 04:06	WG2165003
Isopropylbenzene	U		0.000844	0.00496	1.6	11/06/2023 04:06	WG2165003
p-Isopropyltoluene	0.00685	UJ	0.00506	0.00993	1.6	11/06/2023 04:06	WG2165003
2-Butanone (MEK)	U	J3	0.127	0.199	1.6	11/06/2023 04:06	WG2165003
Methylene Chloride	U		0.0132	0.0496	1.6	11/06/2023 04:06	WG2165003
4-Methyl-2-pentanone (MIBK)	0.0412	UJ	0.00453	0.0496	1.6	11/06/2023 04:06	WG2165003
Methyl tert-butyl ether	U		0.000695	0.00199	1.6	11/06/2023 04:06	WG2165003
Naphthalene	U	C3	0.00969	0.0248	1.6	11/06/2023 04:06	WG2165003
n-Propylbenzene	0.00640	UJ	0.00189	0.00993	1.6	11/06/2023 04:06	WG2165003
Styrene	U	C3	0.000454	0.0248	1.6	11/06/2023 04:06	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00189	0.00496	1.6	11/06/2023 04:06	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00138	0.00496	1.6	11/06/2023 04:06	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00150	0.00496	1.6	11/06/2023 04:06	WG2165003
Tetrachloroethene	U		0.00177	0.00496	1.6	11/06/2023 04:06	WG2165003
Toluene	0.0390		0.00258	0.00993	1.6	11/06/2023 04:06	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0145	0.0248	1.6	11/06/2023 04:06	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.00873	0.0248	1.6	11/06/2023 04:06	WG2165003
1,1,1-Trichloroethane	U		0.00184	0.00496	1.6	11/06/2023 04:06	WG2165003
1,1,2-Trichloroethane	U		0.00118	0.00496	1.6	11/06/2023 04:06	WG2165003
Trichloroethene	U		0.00116	0.00199	1.6	11/06/2023 04:06	WG2165003
Trichlorofluoromethane	U		0.00164	0.00496	1.6	11/06/2023 04:06	WG2165003
1,2,3-Trichloropropane	U		0.00321	0.0248	1.6	11/06/2023 04:06	WG2165003
1,2,4-Trimethylbenzene	0.0385		0.00314	0.00993	1.6	11/06/2023 04:06	WG2165003
1,2,3-Trimethylbenzene	0.0171		0.00314	0.00993	1.6	11/06/2023 04:06	WG2165003
1,3,5-Trimethylbenzene	0.0104		0.00397	0.00993	1.6	11/06/2023 04:06	WG2165003
Vinyl chloride	U	C3	0.00231	0.00496	1.6	11/06/2023 04:06	WG2165003
Xylenes, Total	0.0531		0.00175	0.0129	1.6	11/06/2023 04:06	WG2165003
(S) Toluene-d8	102			75.0-131		11/06/2023 04:06	WG2165003
(S) 4-Bromofluorobenzene	99.5			67.0-138		11/06/2023 04:06	WG2165003
(S) 1,2-Dichloroethane-d4	89.5			70.0-130		11/06/2023 04:06	WG2165003

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	4320		153	459	100	11/07/2023 03:23	WG2164756
Residual Range Organics (RRO)	42000		1530	4590	400	11/07/2023 14:37	WG2164756
(S) o-Terphenyl	0.000	J7		18.0-148		11/07/2023 03:23	WG2164756
(S) o-Terphenyl	0.000	J7		18.0-148		11/07/2023 14:37	WG2164756

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0560		0.0223	0.0495	1	11/06/2023 14:57	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.26		0.641	2.48	1	11/05/2023 23:41	WG2163460
Barium	84.9		0.106	0.619	1	11/05/2023 23:41	WG2163460
Cadmium	U		0.0583	0.619	1	11/05/2023 23:41	WG2163460
Chromium	39.8		0.165	1.24	1	11/05/2023 23:41	WG2163460
Lead	16.2		0.258	0.619	1	11/05/2023 23:41	WG2163460
Selenium	U		0.946	2.48	1	11/05/2023 23:41	WG2163460
Silver	U		0.157	1.24	1	11/05/2023 23:41	WG2163460

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.99	<u>J</u>	1.84	5.42	39	11/05/2023 14:20	WG2164705
(S) a,a,a-Trifluorotoluene(FID)	107			77.0-120		11/05/2023 14:20	WG2164705

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	6.80		1.65	4.95	1	11/06/2023 22:55	WG2164756
Residual Range Organics (RRO)	41.7		4.12	12.4	1	11/06/2023 22:55	WG2164756
(S) o-Terphenyl	44.8			18.0-148		11/06/2023 22:55	WG2164756

Sample Narrative:

L1672560-13 WG2164756: Sample resembles laboratory standard for Hydraulic Oil.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.4		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0594		0.0233	0.0517	1	11/06/2023 15:08	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.54		0.670	2.59	1	11/03/2023 08:42	WG2163347
Barium	76.9		0.110	0.646	1	11/03/2023 08:42	WG2163347
Cadmium	U		0.0609	0.646	1	11/03/2023 08:42	WG2163347
Chromium	19.6		0.172	1.29	1	11/03/2023 08:42	WG2163347
Lead	20.2		0.269	0.646	1	11/03/2023 08:42	WG2163347
Selenium	5.83		0.988	2.59	1	11/03/2023 08:42	WG2163347
Silver	U		0.164	1.29	1	11/03/2023 08:42	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.77	<u>J</u>	2.29	6.74	46.5	11/05/2023 14:43	WG2164705
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		11/05/2023 14:43	WG2164705

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	4.20	<u>J J6</u>	1.72	5.17	1	11/07/2023 00:55	WG2164756
Residual Range Organics (RRO)	51.4		4.30	12.9	1	11/07/2023 00:55	WG2164756
(S) o-Terphenyl	56.9			18.0-148		11/07/2023 00:55	WG2164756

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.3		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0572		0.0230	0.0511	1	11/06/2023 15:11	WG2163005

Metals (ICP) by Method 6010D

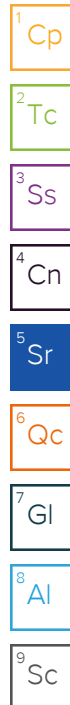
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.81		0.662	2.56	1	11/03/2023 08:45	WG2163347
Barium	69.4		0.109	0.639	1	11/03/2023 08:45	WG2163347
Cadmium	U		0.0602	0.639	1	11/03/2023 08:45	WG2163347
Chromium	22.2		0.170	1.28	1	11/03/2023 08:45	WG2163347
Lead	13.4		0.266	0.639	1	11/03/2023 08:45	WG2163347
Selenium	5.64		0.976	2.56	1	11/03/2023 08:45	WG2163347
Silver	U		0.162	1.28	1	11/03/2023 08:45	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	4.13	<u>J</u>	2.15	6.36	44.3	11/05/2023 02:11	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	96.7			77.0-120		11/05/2023 02:11	WG2164708

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0997	0.137	1.92	11/06/2023 04:26	WG2165003
Acrylonitrile	U		0.00986	0.0341	1.92	11/06/2023 04:26	WG2165003
Benzene	U		0.00128	0.00273	1.92	11/06/2023 04:26	WG2165003
Bromobenzene	U		0.00246	0.0341	1.92	11/06/2023 04:26	WG2165003
Bromodichloromethane	U		0.00198	0.00683	1.92	11/06/2023 04:26	WG2165003
Bromoform	U		0.00320	0.0683	1.92	11/06/2023 04:26	WG2165003
Bromomethane	U		0.00538	0.0341	1.92	11/06/2023 04:26	WG2165003
n-Butylbenzene	U	<u>C3</u>	0.0144	0.0341	1.92	11/06/2023 04:26	WG2165003
sec-Butylbenzene	U		0.00787	0.0341	1.92	11/06/2023 04:26	WG2165003
tert-Butylbenzene	U		0.00532	0.0137	1.92	11/06/2023 04:26	WG2165003
Carbon tetrachloride	U		0.00245	0.0137	1.92	11/06/2023 04:26	WG2165003
Chlorobenzene	U		0.000573	0.00683	1.92	11/06/2023 04:26	WG2165003
Chlorodibromomethane	U		0.00168	0.00683	1.92	11/06/2023 04:26	WG2165003
Chloroethane	U		0.00464	0.0137	1.92	11/06/2023 04:26	WG2165003
Chloroform	U		0.00282	0.00683	1.92	11/06/2023 04:26	WG2165003
Chloromethane	U	<u>C3</u>	0.0119	0.0341	1.92	11/06/2023 04:26	WG2165003
2-Chlorotoluene	U		0.00236	0.00683	1.92	11/06/2023 04:26	WG2165003
4-Chlorotoluene	U		0.00123	0.0137	1.92	11/06/2023 04:26	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.0107	0.0683	1.92	11/06/2023 04:26	WG2165003
1,2-Dibromoethane	U		0.00176	0.00683	1.92	11/06/2023 04:26	WG2165003
Dibromomethane	U		0.00205	0.0137	1.92	11/06/2023 04:26	WG2165003
1,2-Dichlorobenzene	U		0.00116	0.0137	1.92	11/06/2023 04:26	WG2165003
1,3-Dichlorobenzene	U		0.00164	0.0137	1.92	11/06/2023 04:26	WG2165003
1,4-Dichlorobenzene	U		0.00191	0.0137	1.92	11/06/2023 04:26	WG2165003
Dichlorodifluoromethane	U		0.00440	0.0137	1.92	11/06/2023 04:26	WG2165003
1,1-Dichloroethane	U		0.00134	0.00683	1.92	11/06/2023 04:26	WG2165003
1,2-Dichloroethane	U		0.00178	0.00683	1.92	11/06/2023 04:26	WG2165003



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00165	0.00683	1.92	11/06/2023 04:26	WG2165003
cis-1,2-Dichloroethene	U		0.00201	0.00683	1.92	11/06/2023 04:26	WG2165003
trans-1,2-Dichloroethene	U		0.00284	0.0137	1.92	11/06/2023 04:26	WG2165003
1,2-Dichloropropane	U		0.00388	0.0137	1.92	11/06/2023 04:26	WG2165003
1,1-Dichloropropene	U		0.00220	0.00683	1.92	11/06/2023 04:26	WG2165003
1,3-Dichloropropane	U		0.00137	0.0137	1.92	11/06/2023 04:26	WG2165003
cis-1,3-Dichloropropene	U		0.00206	0.00683	1.92	11/06/2023 04:26	WG2165003
trans-1,3-Dichloropropene	U		0.00312	0.0137	1.92	11/06/2023 04:26	WG2165003
2,2-Dichloropropane	U		0.00377	0.00683	1.92	11/06/2023 04:26	WG2165003
Di-isopropyl ether	U		0.00112	0.00273	1.92	11/06/2023 04:26	WG2165003
Ethylbenzene	0.00349	U	0.00202	0.00683	1.92	11/06/2023 04:26	WG2165003
Hexachloro-1,3-butadiene	U		0.0164	0.0683	1.92	11/06/2023 04:26	WG2165003
Isopropylbenzene	0.00116	U	0.00116	0.00683	1.92	11/06/2023 04:26	WG2165003
p-Isopropyltoluene	U		0.00697	0.0137	1.92	11/06/2023 04:26	WG2165003
2-Butanone (MEK)	U	J3	0.174	0.273	1.92	11/06/2023 04:26	WG2165003
Methylene Chloride	U		0.0181	0.0683	1.92	11/06/2023 04:26	WG2165003
4-Methyl-2-pentanone (MIBK)	U		0.00623	0.0683	1.92	11/06/2023 04:26	WG2165003
Methyl tert-butyl ether	U		0.000956	0.00273	1.92	11/06/2023 04:26	WG2165003
Naphthalene	U	C3	0.0133	0.0341	1.92	11/06/2023 04:26	WG2165003
n-Propylbenzene	0.00259	U	0.00259	0.0137	1.92	11/06/2023 04:26	WG2165003
Styrene	U	C3	0.000626	0.0341	1.92	11/06/2023 04:26	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00259	0.00683	1.92	11/06/2023 04:26	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00189	0.00683	1.92	11/06/2023 04:26	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00206	0.00683	1.92	11/06/2023 04:26	WG2165003
Tetrachloroethene	U		0.00245	0.00683	1.92	11/06/2023 04:26	WG2165003
Toluene	0.0117	U	0.00356	0.0137	1.92	11/06/2023 04:26	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0201	0.0341	1.92	11/06/2023 04:26	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.0120	0.0341	1.92	11/06/2023 04:26	WG2165003
1,1,1-Trichloroethane	U		0.00252	0.00683	1.92	11/06/2023 04:26	WG2165003
1,1,2-Trichloroethane	U		0.00164	0.00683	1.92	11/06/2023 04:26	WG2165003
Trichloroethene	U		0.00159	0.00273	1.92	11/06/2023 04:26	WG2165003
Trichlorofluoromethane	U		0.00226	0.00683	1.92	11/06/2023 04:26	WG2165003
1,2,3-Trichloropropane	U		0.00442	0.0341	1.92	11/06/2023 04:26	WG2165003
1,2,4-Trimethylbenzene	0.0115	U	0.00431	0.0137	1.92	11/06/2023 04:26	WG2165003
1,2,3-Trimethylbenzene	U		0.00431	0.0137	1.92	11/06/2023 04:26	WG2165003
1,3,5-Trimethylbenzene	U		0.00546	0.0137	1.92	11/06/2023 04:26	WG2165003
Vinyl chloride	U	C3	0.00317	0.00683	1.92	11/06/2023 04:26	WG2165003
Xylenes, Total	0.0175	U	0.00240	0.0178	1.92	11/06/2023 04:26	WG2165003
(S) Toluene-d8	105			75.0-131		11/06/2023 04:26	WG2165003
(S) 4-Bromofluorobenzene	94.6			67.0-138		11/06/2023 04:26	WG2165003
(S) 1,2-Dichloroethane-d4	83.1			70.0-130		11/06/2023 04:26	WG2165003

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1.72	U	1.70	5.11	1	11/06/2023 22:19	WG2164756
Residual Range Organics (RRO)	11.7	U	4.25	12.8	1	11/06/2023 22:19	WG2164756
(S) o-Terphenyl	55.8			18.0-148		11/06/2023 22:19	WG2164756

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.6		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Mercury	0.0784		0.0238	0.0529	1	11/06/2023 14:45	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	8.57		0.685	2.65	1	11/03/2023 08:53	WG2163347
Barium	65.2		0.113	0.662	1	11/03/2023 08:53	WG2163347
Cadmium	U		0.0623	0.662	1	11/03/2023 08:53	WG2163347
Chromium	15.8		0.176	1.32	1	11/03/2023 08:53	WG2163347
Lead	21.8		0.275	0.662	1	11/03/2023 08:53	WG2163347
Selenium	7.02		1.01	2.65	1	11/03/2023 08:53	WG2163347
Silver	U		0.168	1.32	1	11/03/2023 08:53	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

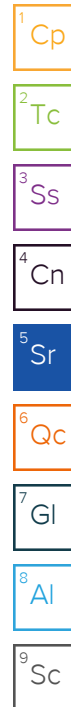
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	3.93	<u>J</u>	2.38	7.00	46.8	11/05/2023 02:30	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		11/05/2023 02:30	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	253		17.6	52.9	10	11/07/2023 02:59	WG2164756
Residual Range Organics (RRO)	2220		88.1	265	20	11/07/2023 13:44	WG2164756
(S) o-Terphenyl	40.6	<u>J7</u>		18.0-148		11/07/2023 13:44	WG2164756
(S) o-Terphenyl	43.5			18.0-148		11/07/2023 02:59	WG2164756

Sample Narrative:

L1672560-16 WG2164756: Sample resembles laboratory standard for Motor Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.9		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Mercury	0.0529	<u>J</u>	0.0240	0.0534	1	11/06/2023 15:13	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	9.84		0.691	2.67	1	11/03/2023 08:56	WG2163347
Barium	79.9		0.114	0.667	1	11/03/2023 08:56	WG2163347
Cadmium	U		0.0628	0.667	1	11/03/2023 08:56	WG2163347
Chromium	17.1		0.177	1.33	1	11/03/2023 08:56	WG2163347
Lead	11.2		0.278	0.667	1	11/03/2023 08:56	WG2163347
Selenium	6.59		1.02	2.67	1	11/03/2023 08:56	WG2163347
Silver	U		0.169	1.33	1	11/03/2023 08:56	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

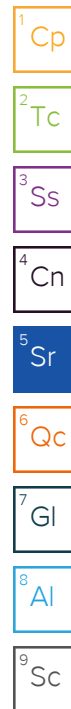
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	3.30	<u>J</u>	2.98	8.78	59.5	11/05/2023 03:02	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	96.5			77.0-120		11/05/2023 03:02	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	4.44	<u>J</u>	1.77	5.34	1	11/07/2023 00:43	WG2164756
Residual Range Organics (RRO)	39.5		4.44	13.3	1	11/07/2023 00:43	WG2164756
(S) o-Terphenyl	53.4			18.0-148		11/07/2023 00:43	WG2164756

Sample Narrative:

L1672560-17 WG2164756: Sample resembles laboratory standard for Fuel Oil #6 and Hydraulic Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.7		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0568		0.0226	0.0502	1	11/06/2023 15:15	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.23		0.650	2.51	1	11/03/2023 08:59	WG2163347
Barium	58.6		0.107	0.627	1	11/03/2023 08:59	WG2163347
Cadmium	U		0.0591	0.627	1	11/03/2023 08:59	WG2163347
Chromium	16.0		0.167	1.25	1	11/03/2023 08:59	WG2163347
Lead	14.4		0.261	0.627	1	11/03/2023 08:59	WG2163347
Selenium	5.79		0.959	2.51	1	11/03/2023 08:59	WG2163347
Silver	U		0.159	1.25	1	11/03/2023 08:59	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

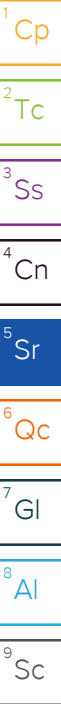
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.04	<u>J</u>	1.97	5.82	41.3	11/05/2023 03:21	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	99.2			77.0-120		11/05/2023 03:21	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	3.40	<u>J</u>	1.67	5.02	1	11/06/2023 22:43	WG2164756
Residual Range Organics (RRO)	27.9		4.18	12.5	1	11/06/2023 22:43	WG2164756
(S) o-Terphenyl	53.8			18.0-148		11/06/2023 22:43	WG2164756

Sample Narrative:

L1672560-18 WG2164756: Sample resembles laboratory standard for Fuel Oil #6.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.4		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Mercury	0.0615		0.0233	0.0517	1	11/06/2023 15:18	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	11.2		0.670	2.59	1	11/03/2023 09:01	WG2163347
Barium	72.2		0.110	0.646	1	11/03/2023 09:01	WG2163347
Cadmium	U		0.0609	0.646	1	11/03/2023 09:01	WG2163347
Chromium	19.9		0.172	1.29	1	11/03/2023 09:01	WG2163347
Lead	21.4		0.269	0.646	1	11/03/2023 09:01	WG2163347
Selenium	6.26		0.988	2.59	1	11/03/2023 09:01	WG2163347
Silver	U		0.164	1.29	1	11/03/2023 09:01	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

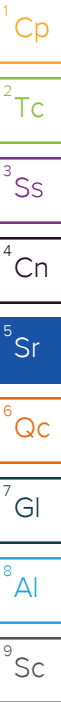
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		2.28	6.72	46.3	11/05/2023 03:41	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	97.5			77.0-120		11/05/2023 03:41	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	4.82	J	1.72	5.17	1	11/07/2023 00:30	WG2164756
Residual Range Organics (RRO)	39.0		4.30	12.9	1	11/07/2023 00:30	WG2164756
(S) o-Terphenyl	49.7			18.0-148		11/07/2023 00:30	WG2164756

Sample Narrative:

L1672560-19 WG2164756: Sample resembles laboratory standard for Fuel Oil #6 and Hydraulic Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0498	<u>J</u>	0.0226	0.0503	1	11/06/2023 12:58	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.11		0.652	2.52	1	11/07/2023 03:13	WG2162783
Barium	73.5		0.107	0.629	1	11/07/2023 03:13	WG2162783
Cadmium	0.152	<u>J</u>	0.0593	0.629	1	11/07/2023 03:13	WG2162783
Chromium	18.8		0.167	1.26	1	11/07/2023 03:13	WG2162783
Lead	15.5		0.262	0.629	1	11/07/2023 03:13	WG2162783
Selenium	U		0.961	2.52	1	11/07/2023 03:13	WG2162783
Silver	U		0.160	1.26	1	11/07/2023 03:13	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

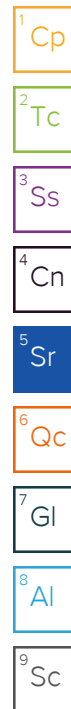
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		2.03	5.99	42.5	11/05/2023 07:32	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	96.4			77.0-120		11/05/2023 07:32	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	2.21	<u>J</u>	1.67	5.03	1	11/06/2023 22:06	WG2164756
Residual Range Organics (RRO)	16.6		4.19	12.6	1	11/06/2023 22:06	WG2164756
(S) o-Terphenyl	51.7			18.0-148		11/06/2023 22:06	WG2164756

Sample Narrative:

L1672560-20 WG2164756: Sample resembles laboratory standard for Fuel Oil #6.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.6		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0675		0.0241	0.0537	1	11/06/2023 13:05	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.90		0.695	2.68	1	11/07/2023 03:16	WG2162783
Barium	91.8		0.114	0.671	1	11/07/2023 03:16	WG2162783
Cadmium	0.164	J	0.0632	0.671	1	11/07/2023 03:16	WG2162783
Chromium	23.1		0.178	1.34	1	11/07/2023 03:16	WG2162783
Lead	21.3		0.279	0.671	1	11/07/2023 03:16	WG2162783
Selenium	U		1.02	2.68	1	11/07/2023 03:16	WG2162783
Silver	U		0.170	1.34	1	11/07/2023 03:16	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

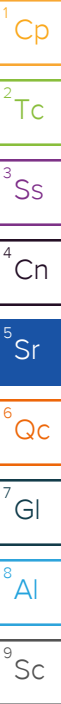
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		2.44	7.20	47.3	11/05/2023 07:51	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	98.9			77.0-120		11/05/2023 07:51	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	2.59	J	1.78	5.37	1	11/06/2023 23:29	WG2164756
Residual Range Organics (RRO)	22.0		4.47	13.4	1	11/06/2023 23:29	WG2164756
(S) o-Terphenyl	55.0			18.0-148		11/06/2023 23:29	WG2164756

Sample Narrative:

L1672560-21 WG2164756: Sample resembles laboratory standard for Hydraulic Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.8		1	11/03/2023 07:44	WG2162938

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0411	<u>J</u>	0.0231	0.0514	1	11/06/2023 13:08	WG2162992

Metals (ICP) by Method 6010D

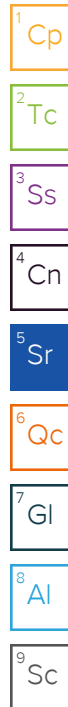
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	11.1		0.666	2.57	1	11/07/2023 03:18	WG2162783
Barium	90.0		0.110	0.643	1	11/07/2023 03:18	WG2162783
Cadmium	0.145	<u>J</u>	0.0606	0.643	1	11/07/2023 03:18	WG2162783
Chromium	23.6		0.171	1.29	1	11/07/2023 03:18	WG2162783
Lead	20.2		0.267	0.643	1	11/07/2023 03:18	WG2162783
Selenium	U		0.982	2.57	1	11/07/2023 03:18	WG2162783
Silver	U		0.817	6.43	5	11/07/2023 11:08	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.97	5.79	39.5	11/05/2023 08:11	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	97.2			77.0-120		11/05/2023 08:11	WG2164708

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0841	0.115	1.57	11/06/2023 04:45	WG2165003
Acrylonitrile	U		0.00832	0.0288	1.57	11/06/2023 04:45	WG2165003
Benzene	U		0.00108	0.00230	1.57	11/06/2023 04:45	WG2165003
Bromobenzene	U		0.00207	0.0288	1.57	11/06/2023 04:45	WG2165003
Bromodichloromethane	U		0.00167	0.00577	1.57	11/06/2023 04:45	WG2165003
Bromoform	U		0.00270	0.0577	1.57	11/06/2023 04:45	WG2165003
Bromomethane	U		0.00453	0.0288	1.57	11/06/2023 04:45	WG2165003
n-Butylbenzene	U	<u>C3</u>	0.0121	0.0288	1.57	11/06/2023 04:45	WG2165003
sec-Butylbenzene	U		0.00663	0.0288	1.57	11/06/2023 04:45	WG2165003
tert-Butylbenzene	U		0.00449	0.0115	1.57	11/06/2023 04:45	WG2165003
Carbon tetrachloride	U		0.00207	0.0115	1.57	11/06/2023 04:45	WG2165003
Chlorobenzene	U		0.000484	0.00577	1.57	11/06/2023 04:45	WG2165003
Chlorodibromomethane	U		0.00141	0.00577	1.57	11/06/2023 04:45	WG2165003
Chloroethane	U		0.00392	0.0115	1.57	11/06/2023 04:45	WG2165003
Chloroform	U		0.00238	0.00577	1.57	11/06/2023 04:45	WG2165003
Chloromethane	U	<u>C3</u>	0.0100	0.0288	1.57	11/06/2023 04:45	WG2165003
2-Chlorotoluene	U		0.00200	0.00577	1.57	11/06/2023 04:45	WG2165003
4-Chlorotoluene	U		0.00104	0.0115	1.57	11/06/2023 04:45	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.00898	0.0577	1.57	11/06/2023 04:45	WG2165003
1,2-Dibromoethane	U		0.00150	0.00577	1.57	11/06/2023 04:45	WG2165003
Dibromomethane	U		0.00173	0.0115	1.57	11/06/2023 04:45	WG2165003
1,2-Dichlorobenzene	U		0.000979	0.0115	1.57	11/06/2023 04:45	WG2165003
1,3-Dichlorobenzene	U		0.00138	0.0115	1.57	11/06/2023 04:45	WG2165003
1,4-Dichlorobenzene	U		0.00161	0.0115	1.57	11/06/2023 04:45	WG2165003
Dichlorodifluoromethane	U		0.00371	0.0115	1.57	11/06/2023 04:45	WG2165003
1,1-Dichloroethane	U		0.00113	0.00577	1.57	11/06/2023 04:45	WG2165003
1,2-Dichloroethane	U		0.00150	0.00577	1.57	11/06/2023 04:45	WG2165003



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00140	0.00577	1.57	11/06/2023 04:45	WG2165003
cis-1,2-Dichloroethene	U		0.00169	0.00577	1.57	11/06/2023 04:45	WG2165003
trans-1,2-Dichloroethene	U		0.00239	0.0115	1.57	11/06/2023 04:45	WG2165003
1,2-Dichloropropane	U		0.00327	0.0115	1.57	11/06/2023 04:45	WG2165003
1,1-Dichloropropene	U		0.00186	0.00577	1.57	11/06/2023 04:45	WG2165003
1,3-Dichloropropane	U		0.00115	0.0115	1.57	11/06/2023 04:45	WG2165003
cis-1,3-Dichloropropene	U		0.00175	0.00577	1.57	11/06/2023 04:45	WG2165003
trans-1,3-Dichloropropene	U		0.00263	0.0115	1.57	11/06/2023 04:45	WG2165003
2,2-Dichloropropane	U		0.00318	0.00577	1.57	11/06/2023 04:45	WG2165003
Di-isopropyl ether	U		0.000945	0.00230	1.57	11/06/2023 04:45	WG2165003
Ethylbenzene	U		0.00170	0.00577	1.57	11/06/2023 04:45	WG2165003
Hexachloro-1,3-butadiene	U		0.0138	0.0577	1.57	11/06/2023 04:45	WG2165003
Isopropylbenzene	U		0.000979	0.00577	1.57	11/06/2023 04:45	WG2165003
p-Isopropyltoluene	U		0.00587	0.0115	1.57	11/06/2023 04:45	WG2165003
2-Butanone (MEK)	U	J3	0.146	0.230	1.57	11/06/2023 04:45	WG2165003
Methylene Chloride	U		0.0153	0.0577	1.57	11/06/2023 04:45	WG2165003
4-Methyl-2-pentanone (MIBK)	U		0.00525	0.0577	1.57	11/06/2023 04:45	WG2165003
Methyl tert-butyl ether	U		0.000807	0.00230	1.57	11/06/2023 04:45	WG2165003
Naphthalene	U	C3	0.0112	0.0288	1.57	11/06/2023 04:45	WG2165003
n-Propylbenzene	U		0.00219	0.0115	1.57	11/06/2023 04:45	WG2165003
Styrene	U	C3	0.000528	0.0288	1.57	11/06/2023 04:45	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00219	0.00577	1.57	11/06/2023 04:45	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00160	0.00577	1.57	11/06/2023 04:45	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00173	0.00577	1.57	11/06/2023 04:45	WG2165003
Tetrachloroethene	U		0.00207	0.00577	1.57	11/06/2023 04:45	WG2165003
Toluene	U		0.00299	0.0115	1.57	11/06/2023 04:45	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0169	0.0288	1.57	11/06/2023 04:45	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.0101	0.0288	1.57	11/06/2023 04:45	WG2165003
1,1,1-Trichloroethane	U		0.00213	0.00577	1.57	11/06/2023 04:45	WG2165003
1,1,2-Trichloroethane	U		0.00137	0.00577	1.57	11/06/2023 04:45	WG2165003
Trichloroethene	U		0.00135	0.00230	1.57	11/06/2023 04:45	WG2165003
Trichlorofluoromethane	U		0.00191	0.00577	1.57	11/06/2023 04:45	WG2165003
1,2,3-Trichloropropane	U		0.00373	0.0288	1.57	11/06/2023 04:45	WG2165003
1,2,4-Trimethylbenzene	U		0.00364	0.0115	1.57	11/06/2023 04:45	WG2165003
1,2,3-Trimethylbenzene	U		0.00364	0.0115	1.57	11/06/2023 04:45	WG2165003
1,3,5-Trimethylbenzene	U		0.00461	0.0115	1.57	11/06/2023 04:45	WG2165003
Vinyl chloride	U	C3	0.00267	0.00577	1.57	11/06/2023 04:45	WG2165003
Xylenes, Total	U		0.00202	0.0150	1.57	11/06/2023 04:45	WG2165003
(S) Toluene-d8	103			75.0-131		11/06/2023 04:45	WG2165003
(S) 4-Bromofluorobenzene	94.6			67.0-138		11/06/2023 04:45	WG2165003
(S) 1,2-Dichloroethane-d4	81.1			70.0-130		11/06/2023 04:45	WG2165003

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	6.93		1.71	5.14	1	11/06/2023 01:11	WG2164773
Residual Range Organics (RRO)	41.9		4.28	12.9	1	11/06/2023 01:11	WG2164773
(S) o-Terphenyl	43.9			18.0-148		11/06/2023 01:11	WG2164773

Sample Narrative:

 L1672560-22 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0728		0.0227	0.0504	1	11/06/2023 13:10	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.75		0.653	2.52	1	11/07/2023 03:27	WG2162783
Barium	78.9		0.107	0.630	1	11/07/2023 03:27	WG2162783
Cadmium	0.200	J	0.0593	0.630	1	11/07/2023 03:27	WG2162783
Chromium	19.3		0.168	1.26	1	11/07/2023 03:27	WG2162783
Lead	20.1		0.262	0.630	1	11/07/2023 03:27	WG2162783
Selenium	U		0.963	2.52	1	11/07/2023 03:27	WG2162783
Silver	U		0.160	1.26	1	11/07/2023 03:27	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

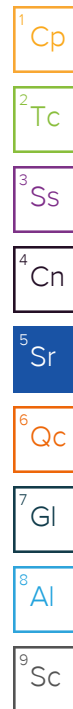
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		2.05	6.04	42.8	11/05/2023 08:30	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	97.6			77.0-120		11/05/2023 08:30	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	11.7		1.68	5.04	1	11/06/2023 01:11	WG2164773
Residual Range Organics (RRO)	79.9		4.20	12.6	1	11/06/2023 01:11	WG2164773
(S) o-Terphenyl	31.1			18.0-148		11/06/2023 01:11	WG2164773

Sample Narrative:

L1672560-23 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0188	0.0417	1	11/06/2023 13:13	WG2162992

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.17	J	0.540	2.08	1	11/07/2023 03:30	WG2162783
Barium	25.6		0.0888	0.521	1	11/07/2023 03:30	WG2162783
Cadmium	U		0.0491	0.521	1	11/07/2023 03:30	WG2162783
Chromium	7.23		0.139	1.04	1	11/07/2023 03:30	WG2162783
Lead	13.7		0.217	0.521	1	11/07/2023 03:30	WG2162783
Selenium	U		0.796	2.08	1	11/07/2023 03:30	WG2162783
Silver	U		0.132	1.04	1	11/07/2023 03:30	WG2162783

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.31	3.86	36	11/05/2023 08:50	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	96.6			77.0-120		11/05/2023 08:50	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	3430		69.3	208	50	11/06/2023 02:25	WG2164773
Residual Range Organics (RRO)	3200		173	521	50	11/06/2023 02:25	WG2164773
(S) o-Terphenyl	0.000	J7		18.0-148		11/06/2023 02:25	WG2164773

Sample Narrative:

L1672560-24 WG2164773: Sample resembles laboratory standard for Hydraulic Fluid.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0185	0.0411	1	11/03/2023 16:12	WG2163006

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.03	<u>J</u>	0.532	2.05	1	11/05/2023 09:59	WG2164182
Barium	46.3		0.0875	0.514	1	11/05/2023 09:59	WG2164182
Cadmium	0.175	<u>J</u>	0.0484	0.514	1	11/05/2023 09:59	WG2164182
Chromium	5.73		0.137	1.03	1	11/05/2023 09:59	WG2164182
Lead	14.4		0.214	0.514	1	11/05/2023 09:59	WG2164182
Selenium	U		0.785	2.05	1	11/05/2023 09:59	WG2164182
Silver	U		0.130	1.03	1	11/05/2023 09:59	WG2164182

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	12.2		1.56	4.62	44.3	11/05/2023 09:09	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	94.6			77.0-120		11/05/2023 09:09	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	1650		137	411	100	11/06/2023 02:37	WG2164773
Residual Range Organics (RRO)	8430		342	1030	100	11/06/2023 02:37	WG2164773
(S) o-Terphenyl	0.000	<u>J7</u>		18.0-148		11/06/2023 02:37	WG2164773

Sample Narrative:

L1672560-25 WG2164773: Sample resembles laboratory standard for Motor Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0196	0.0436	1	11/03/2023 16:19	WG2163006

Metals (ICP) by Method 6010D

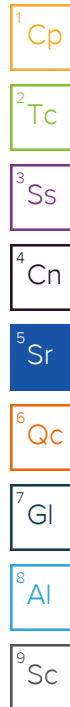
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.83		0.565	2.18	1	11/05/2023 10:02	WG2164182
Barium	28.9		0.0929	0.545	1	11/05/2023 10:02	WG2164182
Cadmium	0.702		0.0514	0.545	1	11/05/2023 10:02	WG2164182
Chromium	9.27		0.145	1.09	1	11/05/2023 10:02	WG2164182
Lead	15.8		0.227	0.545	1	11/05/2023 10:02	WG2164182
Selenium	U		0.833	2.18	1	11/05/2023 10:02	WG2164182
Silver	U		0.138	1.09	1	11/05/2023 10:02	WG2164182

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	4.48	<u>J</u>	2.18	6.42	56.8	11/05/2023 09:28	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	97.4			77.0-120		11/05/2023 09:28	WG2164708

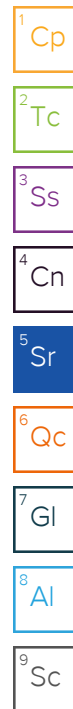
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0937	0.129	2.27	11/06/2023 05:04	WG2165003
Acrylonitrile	U		0.00926	0.0321	2.27	11/06/2023 05:04	WG2165003
Benzene	0.00237	<u>J</u>	0.00120	0.00257	2.27	11/06/2023 05:04	WG2165003
Bromobenzene	U		0.00231	0.0321	2.27	11/06/2023 05:04	WG2165003
Bromodichloromethane	U		0.00186	0.00642	2.27	11/06/2023 05:04	WG2165003
Bromoform	U		0.00301	0.0642	2.27	11/06/2023 05:04	WG2165003
Bromomethane	U		0.00505	0.0321	2.27	11/06/2023 05:04	WG2165003
n-Butylbenzene	U	<u>C3</u>	0.0134	0.0321	2.27	11/06/2023 05:04	WG2165003
sec-Butylbenzene	U		0.00739	0.0321	2.27	11/06/2023 05:04	WG2165003
tert-Butylbenzene	U		0.00501	0.0129	2.27	11/06/2023 05:04	WG2165003
Carbon tetrachloride	U		0.00231	0.0129	2.27	11/06/2023 05:04	WG2165003
Chlorobenzene	U		0.000539	0.00642	2.27	11/06/2023 05:04	WG2165003
Chlorodibromomethane	U		0.00157	0.00642	2.27	11/06/2023 05:04	WG2165003
Chloroethane	U		0.00436	0.0129	2.27	11/06/2023 05:04	WG2165003
Chloroform	U		0.00264	0.00642	2.27	11/06/2023 05:04	WG2165003
Chloromethane	U	<u>C3</u>	0.0112	0.0321	2.27	11/06/2023 05:04	WG2165003
2-Chlorotoluene	U		0.00222	0.00642	2.27	11/06/2023 05:04	WG2165003
4-Chlorotoluene	U		0.00115	0.0129	2.27	11/06/2023 05:04	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.0100	0.0642	2.27	11/06/2023 05:04	WG2165003
1,2-Dibromoethane	U		0.00166	0.00642	2.27	11/06/2023 05:04	WG2165003
Dibromomethane	U		0.00192	0.0129	2.27	11/06/2023 05:04	WG2165003
1,2-Dichlorobenzene	U		0.00109	0.0129	2.27	11/06/2023 05:04	WG2165003
1,3-Dichlorobenzene	U		0.00154	0.0129	2.27	11/06/2023 05:04	WG2165003
1,4-Dichlorobenzene	U		0.00180	0.0129	2.27	11/06/2023 05:04	WG2165003
Dichlorodifluoromethane	U		0.00413	0.0129	2.27	11/06/2023 05:04	WG2165003
1,1-Dichloroethane	U		0.00125	0.00642	2.27	11/06/2023 05:04	WG2165003
1,2-Dichloroethane	U		0.00166	0.00642	2.27	11/06/2023 05:04	WG2165003



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00156	0.00642	2.27	11/06/2023 05:04	WG2165003
cis-1,2-Dichloroethene	U		0.00189	0.00642	2.27	11/06/2023 05:04	WG2165003
trans-1,2-Dichloroethene	U		0.00267	0.0129	2.27	11/06/2023 05:04	WG2165003
1,2-Dichloropropane	U		0.00364	0.0129	2.27	11/06/2023 05:04	WG2165003
1,1-Dichloropropene	U		0.00208	0.00642	2.27	11/06/2023 05:04	WG2165003
1,3-Dichloropropane	U		0.00129	0.0129	2.27	11/06/2023 05:04	WG2165003
cis-1,3-Dichloropropene	U		0.00194	0.00642	2.27	11/06/2023 05:04	WG2165003
trans-1,3-Dichloropropene	U		0.00293	0.0129	2.27	11/06/2023 05:04	WG2165003
2,2-Dichloropropane	U		0.00354	0.00642	2.27	11/06/2023 05:04	WG2165003
Di-isopropyl ether	U		0.00105	0.00257	2.27	11/06/2023 05:04	WG2165003
Ethylbenzene	0.0100		0.00189	0.00642	2.27	11/06/2023 05:04	WG2165003
Hexachloro-1,3-butadiene	U		0.0154	0.0642	2.27	11/06/2023 05:04	WG2165003
Isopropylbenzene	U		0.00109	0.00642	2.27	11/06/2023 05:04	WG2165003
p-Isopropyltoluene	U		0.00654	0.0129	2.27	11/06/2023 05:04	WG2165003
2-Butanone (MEK)	U	J3	0.163	0.257	2.27	11/06/2023 05:04	WG2165003
Methylene Chloride	U		0.0171	0.0642	2.27	11/06/2023 05:04	WG2165003
4-Methyl-2-pentanone (MIBK)	U		0.00585	0.0642	2.27	11/06/2023 05:04	WG2165003
Methyl tert-butyl ether	U		0.000899	0.00257	2.27	11/06/2023 05:04	WG2165003
Naphthalene	U	C3	0.0125	0.0321	2.27	11/06/2023 05:04	WG2165003
n-Propylbenzene	U		0.00244	0.0129	2.27	11/06/2023 05:04	WG2165003
Styrene	U	C3	0.000588	0.0321	2.27	11/06/2023 05:04	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00243	0.00642	2.27	11/06/2023 05:04	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00179	0.00642	2.27	11/06/2023 05:04	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00193	0.00642	2.27	11/06/2023 05:04	WG2165003
Tetrachloroethene	U		0.00229	0.00642	2.27	11/06/2023 05:04	WG2165003
Toluene	0.0807		0.00333	0.0129	2.27	11/06/2023 05:04	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0188	0.0321	2.27	11/06/2023 05:04	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.0113	0.0321	2.27	11/06/2023 05:04	WG2165003
1,1,1-Trichloroethane	U		0.00237	0.00642	2.27	11/06/2023 05:04	WG2165003
1,1,2-Trichloroethane	U		0.00154	0.00642	2.27	11/06/2023 05:04	WG2165003
Trichloroethene	U		0.00150	0.00257	2.27	11/06/2023 05:04	WG2165003
Trichlorofluoromethane	U		0.00212	0.00642	2.27	11/06/2023 05:04	WG2165003
1,2,3-Trichloropropane	U		0.00416	0.0321	2.27	11/06/2023 05:04	WG2165003
1,2,4-Trimethylbenzene	0.0121	J	0.00406	0.0129	2.27	11/06/2023 05:04	WG2165003
1,2,3-Trimethylbenzene	U		0.00406	0.0129	2.27	11/06/2023 05:04	WG2165003
1,3,5-Trimethylbenzene	U		0.00513	0.0129	2.27	11/06/2023 05:04	WG2165003
Vinyl chloride	U	C3	0.00297	0.00642	2.27	11/06/2023 05:04	WG2165003
Xylenes, Total	0.0891		0.00226	0.0167	2.27	11/06/2023 05:04	WG2165003
(S) Toluene-d8	104			75.0-131		11/06/2023 05:04	WG2165003
(S) 4-Bromofluorobenzene	92.6			67.0-138		11/06/2023 05:04	WG2165003
(S) 1,2-Dichloroethane-d4	80.7			70.0-130		11/06/2023 05:04	WG2165003



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	40.9	J	14.5	43.6	10	11/06/2023 08:43	WG2164773
Residual Range Organics (RRO)	155		36.3	109	10	11/06/2023 08:43	WG2164773
(S) o-Terphenyl	40.8			18.0-148		11/06/2023 08:43	WG2164773

Sample Narrative:

L1672560-26 WG2164773: Sample resembles laboratory standard for Motor Oil.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0192	0.0428	1	11/03/2023 16:22	WG2163006

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.84	<u>J</u>	0.554	2.14	1	11/05/2023 10:05	WG2164182
Barium	32.1		0.0911	0.534	1	11/05/2023 10:05	WG2164182
Cadmium	0.118	<u>J</u>	0.0503	0.534	1	11/05/2023 10:05	WG2164182
Chromium	8.36		0.142	1.07	1	11/05/2023 10:05	WG2164182
Lead	105		0.222	0.534	1	11/05/2023 10:05	WG2164182
Selenium	U		0.817	2.14	1	11/05/2023 10:05	WG2164182
Silver	U		0.136	1.07	1	11/05/2023 10:05	WG2164182

Volatile Organic Compounds (GC) by Method NWTPHGX

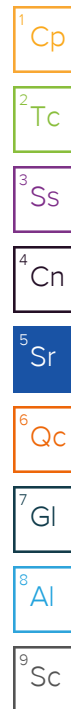
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.05	<u>J</u>	1.55	4.59	41.3	11/05/2023 09:48	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120		11/05/2023 09:48	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	75.9		7.11	21.4	5	11/06/2023 02:00	WG2164773
Residual Range Organics (RRO)	202		17.7	53.4	5	11/06/2023 02:00	WG2164773
(S) o-Terphenyl	52.6			18.0-148		11/06/2023 02:00	WG2164773

Sample Narrative:

L1672560-27 WG2164773: Sample resembles laboratory standard for Motor Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0118	0.0263	.638	11/03/2023 16:24	WG2163006

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	U		0.533	2.06	1	11/05/2023 13:35	WG2164182
Barium	8.35		0.0877	0.515	1	11/05/2023 13:35	WG2164182
Cadmium	U		0.0485	0.515	1	11/05/2023 13:35	WG2164182
Chromium	U		0.137	1.03	1	11/05/2023 13:35	WG2164182
Lead	0.393	<u>J</u>	0.214	0.515	1	11/05/2023 13:35	WG2164182
Selenium	U		0.786	2.06	1	11/05/2023 13:35	WG2164182
Silver	U		0.131	1.03	1	11/05/2023 13:35	WG2164182

Volatile Organic Compounds (GC) by Method NWTPHGX

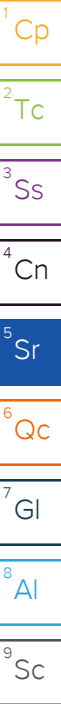
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.00	<u>J</u>	1.59	4.68	44.8	11/05/2023 10:07	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	99.0			77.0-120		11/05/2023 10:07	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	45.8		1.37	4.12	1	11/06/2023 00:34	WG2164773
Residual Range Organics (RRO)	227		17.1	51.5	5	11/06/2023 08:17	WG2164773
(S) o-Terphenyl	37.6			18.0-148		11/06/2023 08:17	WG2164773
(S) o-Terphenyl	53.0			18.0-148		11/06/2023 00:34	WG2164773

Sample Narrative:

L1672560-28 WG2164773: Sample resembles laboratory standard for Motor Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.7		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0562		0.0241	0.0535	1	11/06/2023 15:20	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.61		0.693	2.68	1	11/05/2023 23:50	WG2163460
Barium	108		0.114	0.669	1	11/05/2023 23:50	WG2163460
Cadmium	U		0.0630	0.669	1	11/05/2023 23:50	WG2163460
Chromium	40.2		0.178	1.34	1	11/05/2023 23:50	WG2163460
Lead	26.4		0.278	0.669	1	11/05/2023 23:50	WG2163460
Selenium	1.39	<u>J</u>	1.02	2.68	1	11/05/2023 23:50	WG2163460
Silver	U		0.170	1.34	1	11/05/2023 23:50	WG2163460

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		2.37	7.00	46	11/05/2023 10:26	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	98.2			77.0-120		11/05/2023 10:26	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	14.4	<u>J</u>	8.90	26.8	5	11/06/2023 02:13	WG2164773
Residual Range Organics (RRO)	127		22.2	66.9	5	11/06/2023 02:13	WG2164773
(S) o-Terphenyl	41.4			18.0-148		11/06/2023 02:13	WG2164773

Sample Narrative:

L1672560-29 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.3		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0658		0.0233	0.0517	1	11/06/2023 15:23	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.51		0.670	2.59	1	11/05/2023 23:52	WG2163460
Barium	118		0.110	0.647	1	11/05/2023 23:52	WG2163460
Cadmium	U		0.0609	0.647	1	11/05/2023 23:52	WG2163460
Chromium	39.0		0.172	1.29	1	11/05/2023 23:52	WG2163460
Lead	29.6		0.269	0.647	1	11/05/2023 23:52	WG2163460
Selenium	U		0.988	2.59	1	11/05/2023 23:52	WG2163460
Silver	U		0.164	1.29	1	11/05/2023 23:52	WG2163460

Volatile Organic Compounds (GC) by Method NWTPHGX

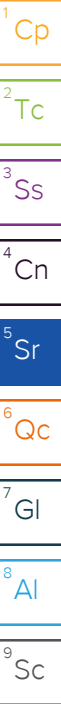
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		2.18	6.43	44	11/05/2023 11:00	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	96.1			77.0-120		11/05/2023 11:00	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	10.9		1.72	5.17	1	11/06/2023 00:59	WG2164773
Residual Range Organics (RRO)	72.7		4.31	12.9	1	11/06/2023 00:59	WG2164773
(S) o-Terphenyl	47.5			18.0-148		11/06/2023 00:59	WG2164773

Sample Narrative:

L1672560-30 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0445	J	0.0219	0.0487	1	11/06/2023 15:25	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.28		0.631	2.44	1	11/05/2023 23:55	WG2163460
Barium	74.7		0.104	0.609	1	11/05/2023 23:55	WG2163460
Cadmium	U		0.0574	0.609	1	11/05/2023 23:55	WG2163460
Chromium	28.4		0.162	1.22	1	11/05/2023 23:55	WG2163460
Lead	18.3		0.253	0.609	1	11/05/2023 23:55	WG2163460
Selenium	U		0.931	2.44	1	11/05/2023 23:55	WG2163460
Silver	U		0.155	1.22	1	11/05/2023 23:55	WG2163460

Volatile Organic Compounds (GC) by Method NWTPHGX

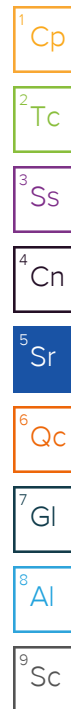
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.94	5.72	42.5	11/05/2023 11:19	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	99.3			77.0-120		11/05/2023 11:19	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	8.42		1.62	4.87	1	11/06/2023 00:59	WG2164773
Residual Range Organics (RRO)	59.3		4.06	12.2	1	11/06/2023 00:59	WG2164773
(S) o-Terphenyl	33.2			18.0-148		11/06/2023 00:59	WG2164773

Sample Narrative:

L1672560-31 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	83.2		1	11/03/2023 07:36	WG2162939

Mercury by Method 7471B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0770		0.0216	0.0481	1	11/06/2023 15:28	WG2163005

Metals (ICP) by Method 6010D

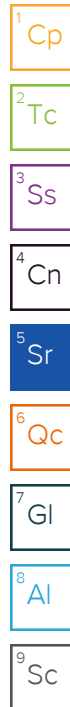
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.20		0.623	2.40	1	11/05/2023 23:58	WG2163460
Barium	79.2		0.102	0.601	1	11/05/2023 23:58	WG2163460
Cadmium	U		0.0566	0.601	1	11/05/2023 23:58	WG2163460
Chromium	29.3		0.160	1.20	1	11/05/2023 23:58	WG2163460
Lead	17.0		0.250	0.601	1	11/05/2023 23:58	WG2163460
Selenium	U		0.918	2.40	1	11/05/2023 23:58	WG2163460
Silver	U		0.153	1.20	1	11/05/2023 23:58	WG2163460

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.94	5.71	43.3	11/05/2023 12:50	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120		11/05/2023 12:50	WG2164708

Volatile Organic Compounds (GC/MS) by Method 8260D

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0832	0.114	1.73	11/06/2023 05:23	WG2165003
Acrylonitrile	U		0.00824	0.0285	1.73	11/06/2023 05:23	WG2165003
Benzene	U		0.00107	0.00228	1.73	11/06/2023 05:23	WG2165003
Bromobenzene	U		0.00206	0.0285	1.73	11/06/2023 05:23	WG2165003
Bromodichloromethane	U		0.00165	0.00571	1.73	11/06/2023 05:23	WG2165003
Bromoform	U		0.00266	0.0571	1.73	11/06/2023 05:23	WG2165003
Bromomethane	U		0.00450	0.0285	1.73	11/06/2023 05:23	WG2165003
n-Butylbenzene	U	C3	0.0120	0.0285	1.73	11/06/2023 05:23	WG2165003
sec-Butylbenzene	U		0.00657	0.0285	1.73	11/06/2023 05:23	WG2165003
tert-Butylbenzene	U		0.00444	0.0114	1.73	11/06/2023 05:23	WG2165003
Carbon tetrachloride	U		0.00204	0.0114	1.73	11/06/2023 05:23	WG2165003
Chlorobenzene	U		0.000479	0.00571	1.73	11/06/2023 05:23	WG2165003
Chlorodibromomethane	U		0.00140	0.00571	1.73	11/06/2023 05:23	WG2165003
Chloroethane	U		0.00388	0.0114	1.73	11/06/2023 05:23	WG2165003
Chloroform	U		0.00235	0.00571	1.73	11/06/2023 05:23	WG2165003
Chloromethane	U	C3	0.00993	0.0285	1.73	11/06/2023 05:23	WG2165003
2-Chlorotoluene	U		0.00198	0.00571	1.73	11/06/2023 05:23	WG2165003
4-Chlorotoluene	U		0.00103	0.0114	1.73	11/06/2023 05:23	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.00890	0.0571	1.73	11/06/2023 05:23	WG2165003
1,2-Dibromoethane	U		0.00148	0.00571	1.73	11/06/2023 05:23	WG2165003
Dibromomethane	U		0.00171	0.0114	1.73	11/06/2023 05:23	WG2165003
1,2-Dichlorobenzene	U		0.000969	0.0114	1.73	11/06/2023 05:23	WG2165003
1,3-Dichlorobenzene	U		0.00137	0.0114	1.73	11/06/2023 05:23	WG2165003
1,4-Dichlorobenzene	U		0.00160	0.0114	1.73	11/06/2023 05:23	WG2165003
Dichlorodifluoromethane	U		0.00368	0.0114	1.73	11/06/2023 05:23	WG2165003
1,1-Dichloroethane	U		0.00112	0.00571	1.73	11/06/2023 05:23	WG2165003
1,2-Dichloroethane	U		0.00148	0.00571	1.73	11/06/2023 05:23	WG2165003



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00138	0.00571	1.73	11/06/2023 05:23	WG2165003
cis-1,2-Dichloroethene	U		0.00167	0.00571	1.73	11/06/2023 05:23	WG2165003
trans-1,2-Dichloroethene	U		0.00237	0.0114	1.73	11/06/2023 05:23	WG2165003
1,2-Dichloropropane	U		0.00324	0.0114	1.73	11/06/2023 05:23	WG2165003
1,1-Dichloropropene	U		0.00185	0.00571	1.73	11/06/2023 05:23	WG2165003
1,3-Dichloropropane	U		0.00114	0.0114	1.73	11/06/2023 05:23	WG2165003
cis-1,3-Dichloropropene	U		0.00173	0.00571	1.73	11/06/2023 05:23	WG2165003
trans-1,3-Dichloropropene	U		0.00260	0.0114	1.73	11/06/2023 05:23	WG2165003
2,2-Dichloropropane	U		0.00315	0.00571	1.73	11/06/2023 05:23	WG2165003
Di-isopropyl ether	U		0.000935	0.00228	1.73	11/06/2023 05:23	WG2165003
Ethylbenzene	U		0.00169	0.00571	1.73	11/06/2023 05:23	WG2165003
Hexachloro-1,3-butadiene	U		0.0137	0.0571	1.73	11/06/2023 05:23	WG2165003
Isopropylbenzene	U		0.000969	0.00571	1.73	11/06/2023 05:23	WG2165003
p-Isopropyltoluene	U		0.00582	0.0114	1.73	11/06/2023 05:23	WG2165003
2-Butanone (MEK)	U	J3	0.145	0.228	1.73	11/06/2023 05:23	WG2165003
Methylene Chloride	U		0.0152	0.0571	1.73	11/06/2023 05:23	WG2165003
4-Methyl-2-pentanone (MIBK)	U		0.00520	0.0571	1.73	11/06/2023 05:23	WG2165003
Methyl tert-butyl ether	U		0.000799	0.00228	1.73	11/06/2023 05:23	WG2165003
Naphthalene	U	C3	0.0111	0.0285	1.73	11/06/2023 05:23	WG2165003
n-Propylbenzene	U		0.00216	0.0114	1.73	11/06/2023 05:23	WG2165003
Styrene	U	C3	0.000522	0.0285	1.73	11/06/2023 05:23	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00216	0.00571	1.73	11/06/2023 05:23	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00158	0.00571	1.73	11/06/2023 05:23	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00171	0.00571	1.73	11/06/2023 05:23	WG2165003
Tetrachloroethene	U		0.00204	0.00571	1.73	11/06/2023 05:23	WG2165003
Toluene	U		0.00297	0.0114	1.73	11/06/2023 05:23	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0167	0.0285	1.73	11/06/2023 05:23	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.0100	0.0285	1.73	11/06/2023 05:23	WG2165003
1,1,1-Trichloroethane	U		0.00211	0.00571	1.73	11/06/2023 05:23	WG2165003
1,1,2-Trichloroethane	U		0.00136	0.00571	1.73	11/06/2023 05:23	WG2165003
Trichloroethene	U		0.00133	0.00228	1.73	11/06/2023 05:23	WG2165003
Trichlorofluoromethane	U		0.00189	0.00571	1.73	11/06/2023 05:23	WG2165003
1,2,3-Trichloropropane	U		0.00369	0.0285	1.73	11/06/2023 05:23	WG2165003
1,2,4-Trimethylbenzene	U		0.00360	0.0114	1.73	11/06/2023 05:23	WG2165003
1,2,3-Trimethylbenzene	U		0.00360	0.0114	1.73	11/06/2023 05:23	WG2165003
1,3,5-Trimethylbenzene	U		0.00456	0.0114	1.73	11/06/2023 05:23	WG2165003
Vinyl chloride	U	C3	0.00265	0.00571	1.73	11/06/2023 05:23	WG2165003
Xylenes, Total	U		0.00200	0.0148	1.73	11/06/2023 05:23	WG2165003
(S) Toluene-d8	103			75.0-131		11/06/2023 05:23	WG2165003
(S) 4-Bromofluorobenzene	92.2			67.0-138		11/06/2023 05:23	WG2165003
(S) 1,2-Dichloroethane-d4	85.9			70.0-130		11/06/2023 05:23	WG2165003

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	6.77		1.60	4.81	1	11/06/2023 00:47	WG2164773
Residual Range Organics (RRO)	50.6		4.00	12.0	1	11/06/2023 00:47	WG2164773
(S) o-Terphenyl	37.0			18.0-148		11/06/2023 00:47	WG2164773

Sample Narrative:
L1672560-32 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.1		1	11/03/2023 07:27	WG2162940

¹Cp

²Tc

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.127		0.0228	0.0506	1	11/06/2023 15:30	WG2163005

³Ss

⁴Cn

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.29		0.655	2.53	1	11/03/2023 09:04	WG2163347
Barium	49.9		0.108	0.632	1	11/03/2023 09:04	WG2163347
Cadmium	U		0.0595	0.632	1	11/03/2023 09:04	WG2163347
Chromium	11.2		0.168	1.26	1	11/03/2023 09:04	WG2163347
Lead	11.1		0.263	0.632	1	11/03/2023 09:04	WG2163347
Selenium	3.41		0.966	2.53	1	11/03/2023 09:04	WG2163347
Silver	U		0.161	1.26	1	11/03/2023 09:04	WG2163347

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		2.20	6.48	46	11/05/2023 13:10	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	97.2			77.0-120		11/05/2023 13:10	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	17.1	J6	1.68	5.06	1	11/06/2023 01:36	WG2164773
Residual Range Organics (RRO)	104		4.21	12.6	1	11/06/2023 01:36	WG2164773
(S) o-Terphenyl	36.9			18.0-148		11/06/2023 01:36	WG2164773

Sample Narrative:

L1672560-33 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	11/03/2023 07:27	WG2162940

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0409	J	0.0220	0.0489	1	11/06/2023 15:38	WG2163005

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.28		0.634	2.45	1	11/03/2023 09:07	WG2163347
Barium	52.6		0.104	0.612	1	11/03/2023 09:07	WG2163347
Cadmium	U		0.0576	0.612	1	11/03/2023 09:07	WG2163347
Chromium	12.6		0.163	1.22	1	11/03/2023 09:07	WG2163347
Lead	12.2		0.254	0.612	1	11/03/2023 09:07	WG2163347
Selenium	4.34		0.934	2.45	1	11/03/2023 09:07	WG2163347
Silver	U		0.155	1.22	1	11/03/2023 09:07	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

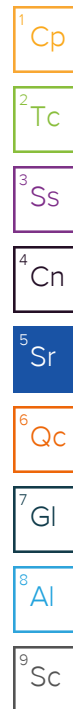
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.88	5.55	40.8	11/05/2023 13:29	WG2164708
(S) a,a,a-Trifluorotoluene(FID)	97.6			77.0-120		11/05/2023 13:29	WG2164708

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	6.40		1.63	4.89	1	11/06/2023 07:24	WG2164773
Residual Range Organics (RRO)	39.4		4.07	12.2	1	11/06/2023 07:24	WG2164773
(S) o-Terphenyl	43.2			18.0-148		11/06/2023 07:24	WG2164773

Sample Narrative:

L1672560-34 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	92.5		1	11/03/2023 07:27	WG2162940

Mercury by Method 7471B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0347	J	0.0195	0.0433	1	11/06/2023 15:40	WG2163005

Metals (ICP) by Method 6010D

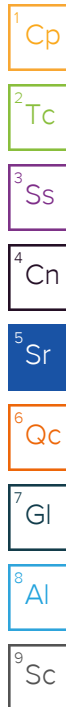
	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.63		0.560	2.16	1	11/03/2023 08:25	WG2163347
Barium	31.8		0.0921	0.541	1	11/03/2023 08:25	WG2163347
Cadmium	U		0.0509	0.541	1	11/03/2023 08:25	WG2163347
Chromium	11.1		0.144	1.08	1	11/03/2023 08:25	WG2163347
Lead	14.5		0.225	0.541	1	11/03/2023 08:25	WG2163347
Selenium	4.10		0.826	2.16	1	11/03/2023 08:25	WG2163347
Silver	U		0.137	1.08	1	11/03/2023 08:25	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.97	J	1.42	4.18	36.8	11/08/2023 14:14	WG2166972
(S) a,a,a-Trifluorotoluene(FID)	97.5			77.0-120		11/08/2023 14:14	WG2166972

Volatile Organic Compounds (GC/MS) by Method 8260D

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0733	0.100	1.78	11/06/2023 05:42	WG2165003
Acrylonitrile	U		0.00725	0.0251	1.78	11/06/2023 05:42	WG2165003
Benzene	U		0.000937	0.00201	1.78	11/06/2023 05:42	WG2165003
Bromobenzene	U		0.00180	0.0251	1.78	11/06/2023 05:42	WG2165003
Bromodichloromethane	U		0.00145	0.00502	1.78	11/06/2023 05:42	WG2165003
Bromoform	U		0.00234	0.0502	1.78	11/06/2023 05:42	WG2165003
Bromomethane	U		0.00396	0.0251	1.78	11/06/2023 05:42	WG2165003
n-Butylbenzene	U	C3	0.0105	0.0251	1.78	11/06/2023 05:42	WG2165003
sec-Butylbenzene	U		0.00578	0.0251	1.78	11/06/2023 05:42	WG2165003
tert-Butylbenzene	U		0.00391	0.0100	1.78	11/06/2023 05:42	WG2165003
Carbon tetrachloride	U		0.00180	0.0100	1.78	11/06/2023 05:42	WG2165003
Chlorobenzene	U		0.000422	0.00502	1.78	11/06/2023 05:42	WG2165003
Chlorodibromomethane	U		0.00123	0.00502	1.78	11/06/2023 05:42	WG2165003
Chloroethane	U		0.00342	0.0100	1.78	11/06/2023 05:42	WG2165003
Chloroform	U		0.00206	0.00502	1.78	11/06/2023 05:42	WG2165003
Chloromethane	U	C3	0.00873	0.0251	1.78	11/06/2023 05:42	WG2165003
2-Chlorotoluene	U		0.00174	0.00502	1.78	11/06/2023 05:42	WG2165003
4-Chlorotoluene	U		0.000903	0.0100	1.78	11/06/2023 05:42	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.00782	0.0502	1.78	11/06/2023 05:42	WG2165003
1,2-Dibromoethane	U		0.00130	0.00502	1.78	11/06/2023 05:42	WG2165003
Dibromomethane	U		0.00151	0.0100	1.78	11/06/2023 05:42	WG2165003
1,2-Dichlorobenzene	U		0.000853	0.0100	1.78	11/06/2023 05:42	WG2165003
1,3-Dichlorobenzene	U		0.00121	0.0100	1.78	11/06/2023 05:42	WG2165003
1,4-Dichlorobenzene	U		0.00141	0.0100	1.78	11/06/2023 05:42	WG2165003
Dichlorodifluoromethane	U		0.00324	0.0100	1.78	11/06/2023 05:42	WG2165003
1,1-Dichloroethane	U		0.000985	0.00502	1.78	11/06/2023 05:42	WG2165003
1,2-Dichloroethane	U		0.00131	0.00502	1.78	11/06/2023 05:42	WG2165003



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00122	0.00502	1.78	11/06/2023 05:42	WG2165003
cis-1,2-Dichloroethene	U		0.00148	0.00502	1.78	11/06/2023 05:42	WG2165003
trans-1,2-Dichloroethene	U		0.00209	0.0100	1.78	11/06/2023 05:42	WG2165003
1,2-Dichloropropane	U		0.00285	0.0100	1.78	11/06/2023 05:42	WG2165003
1,1-Dichloropropene	U		0.00162	0.00502	1.78	11/06/2023 05:42	WG2165003
1,3-Dichloropropane	U		0.00101	0.0100	1.78	11/06/2023 05:42	WG2165003
cis-1,3-Dichloropropene	U		0.00152	0.00502	1.78	11/06/2023 05:42	WG2165003
trans-1,3-Dichloropropene	U		0.00229	0.0100	1.78	11/06/2023 05:42	WG2165003
2,2-Dichloropropane	U		0.00277	0.00502	1.78	11/06/2023 05:42	WG2165003
Di-isopropyl ether	U		0.000823	0.00201	1.78	11/06/2023 05:42	WG2165003
Ethylbenzene	U		0.00148	0.00502	1.78	11/06/2023 05:42	WG2165003
Hexachloro-1,3-butadiene	U		0.0121	0.0502	1.78	11/06/2023 05:42	WG2165003
Isopropylbenzene	U		0.000853	0.00502	1.78	11/06/2023 05:42	WG2165003
p-Isopropyltoluene	U		0.00512	0.0100	1.78	11/06/2023 05:42	WG2165003
2-Butanone (MEK)	U	J3	0.127	0.201	1.78	11/06/2023 05:42	WG2165003
Methylene Chloride	U		0.0133	0.0502	1.78	11/06/2023 05:42	WG2165003
4-Methyl-2-pentanone (MIBK)	U		0.00458	0.0502	1.78	11/06/2023 05:42	WG2165003
Methyl tert-butyl ether	U		0.000702	0.00201	1.78	11/06/2023 05:42	WG2165003
Naphthalene	U	C3	0.00980	0.0251	1.78	11/06/2023 05:42	WG2165003
n-Propylbenzene	U		0.00191	0.0100	1.78	11/06/2023 05:42	WG2165003
Styrene	U	C3	0.000460	0.0251	1.78	11/06/2023 05:42	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00191	0.00502	1.78	11/06/2023 05:42	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00140	0.00502	1.78	11/06/2023 05:42	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00151	0.00502	1.78	11/06/2023 05:42	WG2165003
Tetrachloroethene	U		0.00179	0.00502	1.78	11/06/2023 05:42	WG2165003
Toluene	U		0.00260	0.0100	1.78	11/06/2023 05:42	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0147	0.0251	1.78	11/06/2023 05:42	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.00883	0.0251	1.78	11/06/2023 05:42	WG2165003
1,1,1-Trichloroethane	U		0.00185	0.00502	1.78	11/06/2023 05:42	WG2165003
1,1,2-Trichloroethane	U		0.00119	0.00502	1.78	11/06/2023 05:42	WG2165003
Trichloroethene	U		0.00117	0.00201	1.78	11/06/2023 05:42	WG2165003
Trichlorofluoromethane	U		0.00166	0.00502	1.78	11/06/2023 05:42	WG2165003
1,2,3-Trichloropropane	U		0.00325	0.0251	1.78	11/06/2023 05:42	WG2165003
1,2,4-Trimethylbenzene	U		0.00317	0.0100	1.78	11/06/2023 05:42	WG2165003
1,2,3-Trimethylbenzene	U		0.00317	0.0100	1.78	11/06/2023 05:42	WG2165003
1,3,5-Trimethylbenzene	U		0.00401	0.0100	1.78	11/06/2023 05:42	WG2165003
Vinyl chloride	U	C3	0.00232	0.00502	1.78	11/06/2023 05:42	WG2165003
Xylenes, Total	U		0.00177	0.0131	1.78	11/06/2023 05:42	WG2165003
(S) Toluene-d8	103			75.0-131		11/06/2023 05:42	WG2165003
(S) 4-Bromofluorobenzene	94.8			67.0-138		11/06/2023 05:42	WG2165003
(S) 1,2-Dichloroethane-d4	85.9			70.0-130		11/06/2023 05:42	WG2165003

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	14.0	J	7.19	21.6	5	11/06/2023 01:48	WG2164773
Residual Range Organics (RRO)	142		18.0	54.1	5	11/06/2023 01:48	WG2164773
(S) o-Terphenyl	60.4			18.0-148		11/06/2023 01:48	WG2164773

Sample Narrative:

L1672560-35 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	11/03/2023 07:27	WG2162940

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0307	J	0.0203	0.0451	1	11/06/2023 15:43	WG2163005

Metals (ICP) by Method 6010D

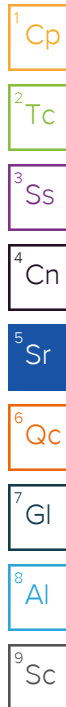
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.79		0.584	2.25	1	11/03/2023 09:10	WG2163347
Barium	21.3		0.0960	0.563	1	11/03/2023 09:10	WG2163347
Cadmium	U		0.0531	0.563	1	11/03/2023 09:10	WG2163347
Chromium	7.41		0.150	1.13	1	11/03/2023 09:10	WG2163347
Lead	9.48		0.234	0.563	1	11/03/2023 09:10	WG2163347
Selenium	1.73	J	0.861	2.25	1	11/03/2023 09:10	WG2163347
Silver	U		0.143	1.13	1	11/03/2023 09:10	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.99	B J	1.60	4.69	38.8	11/06/2023 17:09	WG2165256
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		11/06/2023 17:09	WG2165256

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0951	0.130	2.2	11/06/2023 06:01	WG2165003
Acrylonitrile	U		0.00940	0.0326	2.2	11/06/2023 06:01	WG2165003
Benzene	U		0.00122	0.00261	2.2	11/06/2023 06:01	WG2165003
Bromobenzene	U		0.00234	0.0326	2.2	11/06/2023 06:01	WG2165003
Bromodichloromethane	U		0.00188	0.00651	2.2	11/06/2023 06:01	WG2165003
Bromoform	U		0.00304	0.0651	2.2	11/06/2023 06:01	WG2165003
Bromomethane	U		0.00513	0.0326	2.2	11/06/2023 06:01	WG2165003
n-Butylbenzene	U	C3	0.0137	0.0326	2.2	11/06/2023 06:01	WG2165003
sec-Butylbenzene	U		0.00751	0.0326	2.2	11/06/2023 06:01	WG2165003
tert-Butylbenzene	U		0.00508	0.0130	2.2	11/06/2023 06:01	WG2165003
Carbon tetrachloride	U		0.00234	0.0130	2.2	11/06/2023 06:01	WG2165003
Chlorobenzene	U		0.000547	0.00651	2.2	11/06/2023 06:01	WG2165003
Chlorodibromomethane	U		0.00160	0.00651	2.2	11/06/2023 06:01	WG2165003
Chloroethane	U		0.00443	0.0130	2.2	11/06/2023 06:01	WG2165003
Chloroform	U		0.00269	0.00651	2.2	11/06/2023 06:01	WG2165003
Chloromethane	U	C3	0.0113	0.0326	2.2	11/06/2023 06:01	WG2165003
2-Chlorotoluene	U		0.00225	0.00651	2.2	11/06/2023 06:01	WG2165003
4-Chlorotoluene	U		0.00117	0.0130	2.2	11/06/2023 06:01	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.0102	0.0651	2.2	11/06/2023 06:01	WG2165003
1,2-Dibromoethane	U		0.00169	0.00651	2.2	11/06/2023 06:01	WG2165003
Dibromomethane	U		0.00195	0.0130	2.2	11/06/2023 06:01	WG2165003
1,2-Dichlorobenzene	U		0.00111	0.0130	2.2	11/06/2023 06:01	WG2165003
1,3-Dichlorobenzene	U		0.00156	0.0130	2.2	11/06/2023 06:01	WG2165003
1,4-Dichlorobenzene	U		0.00182	0.0130	2.2	11/06/2023 06:01	WG2165003
Dichlorodifluoromethane	U		0.00419	0.0130	2.2	11/06/2023 06:01	WG2165003
1,1-Dichloroethane	U		0.00128	0.00651	2.2	11/06/2023 06:01	WG2165003
1,2-Dichloroethane	U		0.00169	0.00651	2.2	11/06/2023 06:01	WG2165003



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00157	0.00651	2.2	11/06/2023 06:01	WG2165003
cis-1,2-Dichloroethene	U		0.00191	0.00651	2.2	11/06/2023 06:01	WG2165003
trans-1,2-Dichloroethene	U		0.00271	0.0130	2.2	11/06/2023 06:01	WG2165003
1,2-Dichloropropane	U		0.00369	0.0130	2.2	11/06/2023 06:01	WG2165003
1,1-Dichloropropene	U		0.00211	0.00651	2.2	11/06/2023 06:01	WG2165003
1,3-Dichloropropane	U		0.00130	0.0130	2.2	11/06/2023 06:01	WG2165003
cis-1,3-Dichloropropene	U		0.00198	0.00651	2.2	11/06/2023 06:01	WG2165003
trans-1,3-Dichloropropene	U		0.00297	0.0130	2.2	11/06/2023 06:01	WG2165003
2,2-Dichloropropane	U		0.00360	0.00651	2.2	11/06/2023 06:01	WG2165003
Di-isopropyl ether	U		0.00107	0.00261	2.2	11/06/2023 06:01	WG2165003
Ethylbenzene	U		0.00192	0.00651	2.2	11/06/2023 06:01	WG2165003
Hexachloro-1,3-butadiene	U		0.0156	0.0651	2.2	11/06/2023 06:01	WG2165003
Isopropylbenzene	U		0.00111	0.00651	2.2	11/06/2023 06:01	WG2165003
p-Isopropyltoluene	U		0.00664	0.0130	2.2	11/06/2023 06:01	WG2165003
2-Butanone (MEK)	U	J3	0.166	0.261	2.2	11/06/2023 06:01	WG2165003
Methylene Chloride	U		0.0173	0.0651	2.2	11/06/2023 06:01	WG2165003
4-Methyl-2-pentanone (MIBK)	U		0.00594	0.0651	2.2	11/06/2023 06:01	WG2165003
Methyl tert-butyl ether	U		0.000912	0.00261	2.2	11/06/2023 06:01	WG2165003
Naphthalene	U	C3	0.0127	0.0326	2.2	11/06/2023 06:01	WG2165003
n-Propylbenzene	U		0.00247	0.0130	2.2	11/06/2023 06:01	WG2165003
Styrene	U	C3	0.000597	0.0326	2.2	11/06/2023 06:01	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00247	0.00651	2.2	11/06/2023 06:01	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00181	0.00651	2.2	11/06/2023 06:01	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00197	0.00651	2.2	11/06/2023 06:01	WG2165003
Tetrachloroethene	U		0.00233	0.00651	2.2	11/06/2023 06:01	WG2165003
Toluene	U		0.00339	0.0130	2.2	11/06/2023 06:01	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0191	0.0326	2.2	11/06/2023 06:01	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.0115	0.0326	2.2	11/06/2023 06:01	WG2165003
1,1,1-Trichloroethane	U		0.00240	0.00651	2.2	11/06/2023 06:01	WG2165003
1,1,2-Trichloroethane	U		0.00155	0.00651	2.2	11/06/2023 06:01	WG2165003
Trichloroethene	U		0.00152	0.00261	2.2	11/06/2023 06:01	WG2165003
Trichlorofluoromethane	U		0.00216	0.00651	2.2	11/06/2023 06:01	WG2165003
1,2,3-Trichloropropane	U		0.00422	0.0326	2.2	11/06/2023 06:01	WG2165003
1,2,4-Trimethylbenzene	U		0.00412	0.0130	2.2	11/06/2023 06:01	WG2165003
1,2,3-Trimethylbenzene	U		0.00412	0.0130	2.2	11/06/2023 06:01	WG2165003
1,3,5-Trimethylbenzene	U		0.00521	0.0130	2.2	11/06/2023 06:01	WG2165003
Vinyl chloride	U	C3	0.00302	0.00651	2.2	11/06/2023 06:01	WG2165003
Xylenes, Total	U		0.00230	0.0169	2.2	11/06/2023 06:01	WG2165003
(S) Toluene-d8	104			75.0-131		11/06/2023 06:01	WG2165003
(S) 4-Bromofluorobenzene	91.3			67.0-138		11/06/2023 06:01	WG2165003
(S) 1,2-Dichloroethane-d4	79.4			70.0-130		11/06/2023 06:01	WG2165003

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	11.9	J	7.49	22.5	5	11/06/2023 01:36	WG2164773
Residual Range Organics (RRO)	140		18.7	56.3	5	11/06/2023 01:36	WG2164773
(S) o-Terphenyl	50.3			18.0-148		11/06/2023 01:36	WG2164773

Sample Narrative:

L1672560-36 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.6		1	11/03/2023 07:27	WG2162940

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0226	0.0502	1	11/06/2023 15:45	WG2163005

Metals (ICP) by Method 6010D

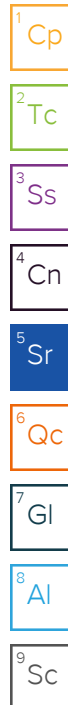
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	34.0		0.651	2.51	1	11/03/2023 09:13	WG2163347
Barium	68.9		0.107	0.628	1	11/03/2023 09:13	WG2163347
Cadmium	0.231	J	0.0592	0.628	1	11/03/2023 09:13	WG2163347
Chromium	34.8		0.167	1.26	1	11/03/2023 09:13	WG2163347
Lead	31.4		0.261	0.628	1	11/03/2023 09:13	WG2163347
Selenium	3.97		0.960	2.51	1	11/03/2023 09:13	WG2163347
Silver	0.285	J	0.160	1.26	1	11/03/2023 09:13	WG2163347

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	56.6		2.73	8.05	59	11/07/2023 01:38	WG2165737
(S) a,a,a-Trifluorotoluene(FID)	99.3			77.0-120		11/07/2023 01:38	WG2165737

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0991	0.136	1.96	11/06/2023 06:20	WG2165003
Acrylonitrile	U		0.00981	0.0340	1.96	11/06/2023 06:20	WG2165003
Benzene	0.240		0.00127	0.00272	1.96	11/06/2023 06:20	WG2165003
Bromobenzene	U		0.00244	0.0340	1.96	11/06/2023 06:20	WG2165003
Bromodichloromethane	U		0.00197	0.00679	1.96	11/06/2023 06:20	WG2165003
Bromoform	U		0.00317	0.0679	1.96	11/06/2023 06:20	WG2165003
Bromomethane	U		0.00535	0.0340	1.96	11/06/2023 06:20	WG2165003
n-Butylbenzene	U	C3	0.0143	0.0340	1.96	11/06/2023 06:20	WG2165003
sec-Butylbenzene	U		0.00782	0.0340	1.96	11/06/2023 06:20	WG2165003
tert-Butylbenzene	U		0.00530	0.0136	1.96	11/06/2023 06:20	WG2165003
Carbon tetrachloride	U		0.00244	0.0136	1.96	11/06/2023 06:20	WG2165003
Chlorobenzene	0.0118		0.000571	0.00679	1.96	11/06/2023 06:20	WG2165003
Chlorodibromomethane	U		0.00166	0.00679	1.96	11/06/2023 06:20	WG2165003
Chloroethane	U		0.00462	0.0136	1.96	11/06/2023 06:20	WG2165003
Chloroform	U		0.00280	0.00679	1.96	11/06/2023 06:20	WG2165003
Chloromethane	U	C3	0.0118	0.0340	1.96	11/06/2023 06:20	WG2165003
2-Chlorotoluene	U		0.00236	0.00679	1.96	11/06/2023 06:20	WG2165003
4-Chlorotoluene	U		0.00122	0.0136	1.96	11/06/2023 06:20	WG2165003
1,2-Dibromo-3-Chloropropane	U		0.0106	0.0679	1.96	11/06/2023 06:20	WG2165003
1,2-Dibromoethane	U		0.00176	0.00679	1.96	11/06/2023 06:20	WG2165003
Dibromomethane	U		0.00204	0.0136	1.96	11/06/2023 06:20	WG2165003
1,2-Dichlorobenzene	0.00414	J	0.00115	0.0136	1.96	11/06/2023 06:20	WG2165003
1,3-Dichlorobenzene	0.00421	J	0.00164	0.0136	1.96	11/06/2023 06:20	WG2165003
1,4-Dichlorobenzene	U		0.00190	0.0136	1.96	11/06/2023 06:20	WG2165003
Dichlorodifluoromethane	U		0.00438	0.0136	1.96	11/06/2023 06:20	WG2165003
1,1-Dichloroethane	U		0.00133	0.00679	1.96	11/06/2023 06:20	WG2165003
1,2-Dichloroethane	U		0.00176	0.00679	1.96	11/06/2023 06:20	WG2165003



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.00165	0.00679	1.96	11/06/2023 06:20	WG2165003
cis-1,2-Dichloroethene	U		0.00200	0.00679	1.96	11/06/2023 06:20	WG2165003
trans-1,2-Dichloroethene	U		0.00283	0.0136	1.96	11/06/2023 06:20	WG2165003
1,2-Dichloropropane	U		0.00385	0.0136	1.96	11/06/2023 06:20	WG2165003
1,1-Dichloropropene	U		0.00220	0.00679	1.96	11/06/2023 06:20	WG2165003
1,3-Dichloropropane	U		0.00136	0.0136	1.96	11/06/2023 06:20	WG2165003
cis-1,3-Dichloropropene	U		0.00205	0.00679	1.96	11/06/2023 06:20	WG2165003
trans-1,3-Dichloropropene	U		0.00309	0.0136	1.96	11/06/2023 06:20	WG2165003
2,2-Dichloropropane	U		0.00374	0.00679	1.96	11/06/2023 06:20	WG2165003
Di-isopropyl ether	U		0.00111	0.00272	1.96	11/06/2023 06:20	WG2165003
Ethylbenzene	0.147		0.00200	0.00679	1.96	11/06/2023 06:20	WG2165003
Hexachloro-1,3-butadiene	U		0.0164	0.0679	1.96	11/06/2023 06:20	WG2165003
Isopropylbenzene	0.00658	U	0.00115	0.00679	1.96	11/06/2023 06:20	WG2165003
p-Isopropyltoluene	0.0108	U	0.00693	0.0136	1.96	11/06/2023 06:20	WG2165003
2-Butanone (MEK)	U	U3	0.172	0.272	1.96	11/06/2023 06:20	WG2165003
Methylene Chloride	U		0.0180	0.0679	1.96	11/06/2023 06:20	WG2165003
4-Methyl-2-pentanone (MIBK)	0.00815	U	0.00620	0.0679	1.96	11/06/2023 06:20	WG2165003
Methyl tert-butyl ether	U		0.000951	0.00272	1.96	11/06/2023 06:20	WG2165003
Naphthalene	0.0596	C3	0.0133	0.0340	1.96	11/06/2023 06:20	WG2165003
n-Propylbenzene	0.0309		0.00258	0.0136	1.96	11/06/2023 06:20	WG2165003
Styrene	0.0561	C3	0.000622	0.0340	1.96	11/06/2023 06:20	WG2165003
1,1,1,2-Tetrachloroethane	U		0.00258	0.00679	1.96	11/06/2023 06:20	WG2165003
1,1,2,2-Tetrachloroethane	U		0.00189	0.00679	1.96	11/06/2023 06:20	WG2165003
1,1,2-Trichlorotrifluoroethane	U		0.00205	0.00679	1.96	11/06/2023 06:20	WG2165003
Tetrachloroethene	U		0.00244	0.00679	1.96	11/06/2023 06:20	WG2165003
Toluene	0.624		0.00353	0.0136	1.96	11/06/2023 06:20	WG2165003
1,2,3-Trichlorobenzene	U	C3	0.0200	0.0340	1.96	11/06/2023 06:20	WG2165003
1,2,4-Trichlorobenzene	U	C3	0.0119	0.0340	1.96	11/06/2023 06:20	WG2165003
1,1,1-Trichloroethane	U		0.00251	0.00679	1.96	11/06/2023 06:20	WG2165003
1,1,2-Trichloroethane	U		0.00162	0.00679	1.96	11/06/2023 06:20	WG2165003
Trichloroethene	U		0.00158	0.00272	1.96	11/06/2023 06:20	WG2165003
Trichlorofluoromethane	U		0.00225	0.00679	1.96	11/06/2023 06:20	WG2165003
1,2,3-Trichloropropane	U		0.00441	0.0340	1.96	11/06/2023 06:20	WG2165003
1,2,4-Trimethylbenzene	0.0767		0.00430	0.0136	1.96	11/06/2023 06:20	WG2165003
1,2,3-Trimethylbenzene	0.0227		0.00430	0.0136	1.96	11/06/2023 06:20	WG2165003
1,3,5-Trimethylbenzene	0.0317		0.00543	0.0136	1.96	11/06/2023 06:20	WG2165003
Vinyl chloride	U	C3	0.00315	0.00679	1.96	11/06/2023 06:20	WG2165003
Xylenes, Total	0.487		0.00238	0.0176	1.96	11/06/2023 06:20	WG2165003
(S) Toluene-d8	103			75.0-131		11/06/2023 06:20	WG2165003
(S) 4-Bromofluorobenzene	93.3			67.0-138		11/06/2023 06:20	WG2165003
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		11/06/2023 06:20	WG2165003

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	22.0	U	8.35	25.1	5	11/06/2023 02:13	WG2164773
Residual Range Organics (RRO)	93.8		20.8	62.8	5	11/06/2023 02:13	WG2164773
(S) o-Terphenyl	38.9			18.0-148		11/06/2023 02:13	WG2164773

Sample Narrative:

L1672560-37 WG2164773: Sample resembles laboratory standard for Hydraulic Oil.

Method Blank (MB)

(MB) R3995340-1 11/03/23 08:07

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Total Solids	0.00300			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1672560-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1672560-02 11/03/23 08:07 • (DUP) R3995340-3 11/03/23 08:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Total Solids	94.5	95.2	1	0.744		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3995340-2 11/03/23 08:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Total Solids	50.0	50.0	100	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R3995339-1 11/03/23 07:54

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1672560-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1672560-05 11/03/23 07:54 • (DUP) R3995339-3 11/03/23 07:54

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	96.5	96.9	1	0.417		10

Laboratory Control Sample (LCS)

(LCS) R3995339-2 11/03/23 07:54

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3995338-1 11/03/23 07:44

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1672560-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1672560-16 11/03/23 07:44 • (DUP) R3995338-3 11/03/23 07:44

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	75.6	77.5	1	2.56		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3995338-2 11/03/23 07:44

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R3995336-1 11/03/23 07:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1672560-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1672560-25 11/03/23 07:36 • (DUP) R3995336-3 11/03/23 07:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Solids	97.4	98.2	1	0.810		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3995336-2 11/03/23 07:36

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R3995335-1 11/03/23 07:27

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

¹Cp

²Tc

³Ss

L1672560-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1672560-35 11/03/23 07:27 • (DUP) R3995335-3 11/03/23 07:27

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	92.5	90.8	1	1.82		10

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R3995335-2 11/03/23 07:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3995975-1 11/06/23 12:08

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3995975-2 11/06/23 12:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.588	118	80.0-120	

L1670568-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1670568-23 11/06/23 12:12 • (MS) R3995975-3 11/06/23 12:15 • (MSD) R3995975-4 11/06/23 12:17

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.542	U	0.528	0.586	97.4	108	1	75.0-125			10.5	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3996068-1 11/06/23 14:40

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3996068-2 11/06/23 14:42

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.543	109	80.0-120	

L1672560-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672560-16 11/06/23 14:45 • (MS) R3996068-3 11/06/23 14:47 • (MSD) R3996068-4 11/06/23 14:50

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.662	0.0784	0.746	0.831	101	114	1	75.0-125			10.8	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3995260-1 11/03/23 12:46

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3995260-2 11/03/23 12:48

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.495	98.9	80.0-120	

L1672294-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672294-04 11/03/23 15:34 • (MS) R3995260-5 11/03/23 15:36 • (MSD) R3995260-6 11/03/23 15:38

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.605	U	0.640	0.661	106	109	1	75.0-125			3.22	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3996247-1 11/07/23 02:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R3996247-2 11/07/23 02:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	104	104	80.0-120	
Cadmium	100	107	107	80.0-120	
Chromium	100	102	102	80.0-120	
Lead	100	95.2	95.2	80.0-120	
Selenium	100	98.2	98.2	80.0-120	
Silver	20.0	18.9	94.4	80.0-120	

L1672609-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672609-01 11/07/23 02:26 • (MS) R3996247-5 11/07/23 02:34 • (MSD) R3996247-6 11/07/23 02:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	114	U	101	96.9	89.1	85.1	1	75.0-125			4.60	20
Barium	114	326	370	385	38.5	51.6	1	75.0-125	J6	J6	3.93	20
Cadmium	114	U	111	108	97.6	95.2	1	75.0-125			2.50	20
Chromium	114	19.5	118	119	86.8	87.6	1	75.0-125			0.778	20
Lead	114	13.4	114	115	88.6	89.4	1	75.0-125			0.879	20
Selenium	114	U	97.8	91.3	86.0	80.2	1	75.0-125			6.91	20
Silver	22.8	U	15.7	15.0	69.2	66.0	1	75.0-125	J6	J6	4.77	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3995122-1 11/03/23 08:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R3995122-2 11/03/23 08:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	87.5	87.5	80.0-120	
Barium	100	89.7	89.7	80.0-120	
Cadmium	100	86.4	86.4	80.0-120	
Chromium	100	87.2	87.2	80.0-120	
Lead	100	86.2	86.2	80.0-120	
Selenium	100	85.8	85.8	80.0-120	
Silver	20.0	16.6	82.9	80.0-120	

L1672560-35 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672560-35 11/03/23 08:25 • (MS) R3995122-5 11/03/23 08:33 • (MSD) R3995122-6 11/03/23 08:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	108	6.63	96.6	98.1	83.2	84.5	1	75.0-125			1.50	20
Barium	108	31.8	129	130	89.9	91.0	1	75.0-125			0.977	20
Cadmium	108	U	89.2	91.5	82.4	84.6	1	75.0-125			2.54	20
Chromium	108	11.1	101	104	82.8	85.8	1	75.0-125			3.18	20
Lead	108	14.5	106	110	85.0	88.2	1	75.0-125			3.21	20
Selenium	108	4.10	94.3	93.7	83.4	82.9	1	75.0-125			0.608	20
Silver	21.6	U	17.3	17.9	80.0	83.0	1	75.0-125			3.57	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3995929-1 11/05/23 23:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R3995929-2 11/05/23 23:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	103	103	80.0-120	
Cadmium	100	98.9	98.9	80.0-120	
Chromium	100	102	102	80.0-120	
Lead	100	100	100	80.0-120	
Selenium	100	99.9	99.9	80.0-120	
Silver	20.0	18.9	94.7	80.0-120	

L1672832-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672832-02 11/05/23 23:22 • (MS) R3995929-5 11/05/23 23:30 • (MSD) R3995929-6 11/05/23 23:33

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.75	87.4	87.2	85.7	85.4	1	75.0-125			0.259	20
Barium	100	94.9	198	198	103	103	1	75.0-125			0.0386	20
Cadmium	100	U	85.1	85.5	85.1	85.5	1	75.0-125			0.528	20
Chromium	100	22.4	111	115	88.9	92.7	1	75.0-125			3.31	20
Lead	100	12.0	109	107	97.4	94.7	1	75.0-125			2.47	20
Selenium	100	U	85.5	85.2	85.5	85.2	1	75.0-125			0.391	20
Silver	20.0	U	16.5	16.8	82.5	84.0	1	75.0-125			1.86	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3995626-1 11/05/23 10:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R3995626-2 11/05/23 10:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	99.1	99.1	80.0-120	
Barium	100	102	102	80.0-120	
Cadmium	100	98.3	98.3	80.0-120	
Chromium	100	99.6	99.6	80.0-120	
Lead	100	97.5	97.5	80.0-120	
Selenium	100	98.4	98.4	80.0-120	
Silver	20.0	17.7	88.3	80.0-120	

L1672485-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672485-01 11/05/23 10:36 • (MS) R3995626-5 11/05/23 10:45 • (MSD) R3995626-6 11/05/23 10:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	107	11.3	136	133	117	114	1	75.0-125			2.69	20
Barium	107	29.8	174	150	134	113	1	75.0-125	J5		14.3	20
Cadmium	107	U	113	120	106	112	1	75.0-125			6.39	20
Chromium	107	6.78	107	116	93.6	102	1	75.0-125			8.19	20
Lead	107	11.7	119	128	100	108	1	75.0-125			7.05	20
Selenium	107	U	116	122	109	114	1	75.0-125			5.07	20
Silver	21.4	0.400	21.8	22.6	99.8	104	1	75.0-125			3.96	20

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R3996584-3 11/04/23 14:52				
Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	94.7			77.0-120

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3996584-1 11/04/23 12:05 • (LCSD) R3996584-2 11/04/23 13:31										
Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.18	4.11	94.2	74.7	71.0-124		J3	23.0	20
(S) a,a,a-Trifluorotoluene(FID)				104	103	77.0-120				

L1672560-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672560-07 11/04/23 22:27 • (MS) R3996584-4 11/04/23 22:46 • (MSD) R3996584-5 11/04/23 23:05												
Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	354	3.20	246	270	68.8	75.5	60	50.0-150			9.13	27
(S) a,a,a-Trifluorotoluene(FID)					100	105		77.0-120				

1
Cp

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Tc

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Ss

4
Cn

5
Sr

6
Qc

7
Gl

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Al

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Sc

Method Blank (MB)

(MB) R3997050-2 11/05/23 03:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3997050-1 11/05/23 01:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.78	105	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			102	77.0-120	

L1672560-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672560-08 11/05/23 12:24 • (MS) R3997050-3 11/05/23 15:06 • (MSD) R3997050-4 11/05/23 15:29

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	268	U	266	282	99.2	105	44.5	50.0-150			5.99	27
(S) a,a,a-Trifluorotoluene(FID)					101	102		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3997205-2 11/05/23 01:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	96.5			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3997205-1 11/05/23 00:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.19	94.4	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			101	77.0-120	

L1672560-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672560-16 11/05/23 02:30 • (MS) R3997205-3 11/05/23 13:48 • (MSD) R3997205-4 11/05/23 14:08

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	384	3.93	344	355	88.5	91.2	46.8	50.0-150			3.00	27
(S) a,a,a-Trifluorotoluene(FID)					102	102		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3996202-2 11/06/23 10:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.959	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3996202-1 11/06/23 08:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.64	103	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	

L1672649-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672649-02 11/06/23 17:32 • (MS) R3996202-3 11/06/23 20:38 • (MSD) R3996202-4 11/06/23 21:01

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	286	1.95	229	269	79.3	93.2	41.8	50.0-150			16.0	27
(S) a,a,a-Trifluorotoluene(FID)					95.0	102		77.0-120				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R3997060-3 11/07/23 00:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.959	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997060-1 11/06/23 23:26 • (LCSD) R3997060-2 11/06/23 23:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.22	6.81	94.9	124	71.0-124		J3	26.4	20
(S) a,a,a-Trifluorotoluene(FID)				102	104	77.0-120				

L1672560-37 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672560-37 11/07/23 01:38 • (MS) R3997060-4 11/07/23 09:20 • (MSD) R3997060-5 11/07/23 09:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	443	56.6	497	538	99.2	108	59	50.0-150			7.92	27
(S) a,a,a-Trifluorotoluene(FID)					107	107		77.0-120				

1
Cp

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Tc

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Ss

4
Cn

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Sr

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Qc

7
Gl

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Al

9
Sc

Method Blank (MB)

(MB) R3997627-3 11/08/23 10:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	96.9			77.0-120

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997627-1 11/08/23 09:29 • (LCSD) R3997627-2 11/08/23 09:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.31	5.52	96.5	100	71.0-124			3.88	20
(S) a,a,a-Trifluorotoluene(FID)				102	102	77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3997231-3 11/05/23 18:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3997231-3 11/05/23 18:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	89.4			67.0-138
(S) 1,2-Dichloroethane-d4	94.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997231-1 11/05/23 16:08 • (LCSD) R3997231-2 11/05/23 16:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.864	1.03	138	165	10.0-160		J4	17.5	31
Acrylonitrile	0.625	0.583	0.615	93.3	98.4	45.0-153			5.34	22
Benzene	0.125	0.129	0.127	103	102	70.0-123			1.56	20
Bromobenzene	0.125	0.131	0.126	105	101	73.0-121			3.89	20
Bromodichloromethane	0.125	0.134	0.134	107	107	73.0-121			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997231-1 11/05/23 16:08 • (LCSD) R3997231-2 11/05/23 16:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	0.125	0.114	0.117	91.2	93.6	64.0-132			2.60	20
Bromomethane	0.125	0.140	0.127	112	102	56.0-147			9.74	20
n-Butylbenzene	0.125	0.108	0.0804	86.4	64.3	68.0-135		J3 J4	29.3	20
sec-Butylbenzene	0.125	0.117	0.0907	93.6	72.6	74.0-130		J3 J4	25.3	20
tert-Butylbenzene	0.125	0.115	0.108	92.0	86.4	75.0-127			6.28	20
Carbon tetrachloride	0.125	0.136	0.132	109	106	66.0-128			2.99	20
Chlorobenzene	0.125	0.125	0.120	100	96.0	76.0-128			4.08	20
Chlorodibromomethane	0.125	0.123	0.121	98.4	96.8	74.0-127			1.64	20
Chloroethane	0.125	0.134	0.127	107	102	61.0-134			5.36	20
Chloroform	0.125	0.141	0.139	113	111	72.0-123			1.43	20
Chloromethane	0.125	0.104	0.110	83.2	88.0	51.0-138			5.61	20
2-Chlorotoluene	0.125	0.131	0.117	105	93.6	75.0-124			11.3	20
4-Chlorotoluene	0.125	0.124	0.112	99.2	89.6	75.0-124			10.2	20
1,2-Dibromo-3-Chloropropane	0.125	0.117	0.118	93.6	94.4	59.0-130			0.851	20
1,2-Dibromoethane	0.125	0.125	0.125	100	100	74.0-128			0.000	20
Dibromomethane	0.125	0.130	0.136	104	109	75.0-122			4.51	20
1,2-Dichlorobenzene	0.125	0.118	0.110	94.4	88.0	76.0-124			7.02	20
1,3-Dichlorobenzene	0.125	0.127	0.113	102	90.4	76.0-125			11.7	20
1,4-Dichlorobenzene	0.125	0.122	0.106	97.6	84.8	77.0-121			14.0	20
Dichlorodifluoromethane	0.125	0.129	0.132	103	106	43.0-156			2.30	20
1,1-Dichloroethane	0.125	0.123	0.121	98.4	96.8	70.0-127			1.64	20
1,2-Dichloroethane	0.125	0.117	0.119	93.6	95.2	65.0-131			1.69	20
1,1-Dichloroethene	0.125	0.118	0.114	94.4	91.2	65.0-131			3.45	20
cis-1,2-Dichloroethene	0.125	0.131	0.131	105	105	73.0-125			0.000	20
trans-1,2-Dichloroethene	0.125	0.141	0.135	113	108	71.0-125			4.35	20
1,2-Dichloropropane	0.125	0.109	0.115	87.2	92.0	74.0-125			5.36	20
1,1-Dichloropropene	0.125	0.129	0.118	103	94.4	73.0-125			8.91	20
1,3-Dichloropropane	0.125	0.123	0.123	98.4	98.4	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.123	0.119	98.4	95.2	76.0-127			3.31	20
trans-1,3-Dichloropropene	0.125	0.118	0.122	94.4	97.6	73.0-127			3.33	20
2,2-Dichloropropane	0.125	0.101	0.0996	80.8	79.7	59.0-135			1.40	20
Di-isopropyl ether	0.125	0.110	0.111	88.0	88.8	60.0-136			0.905	20
Ethylbenzene	0.125	0.119	0.108	95.2	86.4	74.0-126			9.69	20
Hexachloro-1,3-butadiene	0.125	0.120	0.0900	96.0	72.0	57.0-150		J3	28.6	20
Isopropylbenzene	0.125	0.114	0.0972	91.2	77.8	72.0-127			15.9	20
p-Isopropyltoluene	0.125	0.113	0.0858	90.4	68.6	72.0-133		J3 J4	27.4	20
2-Butanone (MEK)	0.625	0.697	0.544	112	87.0	30.0-160		J3	24.7	24
Methylene Chloride	0.125	0.135	0.132	108	106	68.0-123			2.25	20
4-Methyl-2-pentanone (MIBK)	0.625	0.561	0.574	89.8	91.8	56.0-143			2.29	20
Methyl tert-butyl ether	0.125	0.130	0.136	104	109	66.0-132			4.51	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997231-1 11/05/23 16:08 • (LCSD) R3997231-2 11/05/23 16:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0857	0.0873	68.6	69.8	59.0-130			1.85	20
n-Propylbenzene	0.125	0.130	0.104	104	83.2	74.0-126		J3	22.2	20
Styrene	0.125	0.102	0.0955	81.6	76.4	72.0-127			6.58	20
1,1,1,2-Tetrachloroethane	0.125	0.121	0.121	96.8	96.8	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.105	88.0	84.0	68.0-128			4.65	20
1,1,2-Trichlorotrifluoroethane	0.125	0.124	0.115	99.2	92.0	61.0-139			7.53	20
Tetrachloroethene	0.125	0.130	0.115	104	92.0	70.0-136			12.2	20
Toluene	0.125	0.126	0.119	101	95.2	75.0-121			5.71	20
1,2,3-Trichlorobenzene	0.125	0.100	0.0931	80.0	74.5	59.0-139			7.15	20
1,2,4-Trichlorobenzene	0.125	0.102	0.0930	81.6	74.4	62.0-137			9.23	20
1,1,1-Trichloroethane	0.125	0.136	0.133	109	106	69.0-126			2.23	20
1,1,2-Trichloroethane	0.125	0.125	0.128	100	102	78.0-123			2.37	20
Trichloroethene	0.125	0.150	0.151	120	121	76.0-126			0.664	20
Trichlorofluoromethane	0.125	0.139	0.125	111	100	61.0-142			10.6	20
1,2,3-Trichloropropane	0.125	0.135	0.133	108	106	67.0-129			1.49	20
1,2,4-Trimethylbenzene	0.125	0.121	0.0999	96.8	79.9	70.0-126			19.1	20
1,2,3-Trimethylbenzene	0.125	0.120	0.107	96.0	85.6	74.0-124			11.5	20
1,3,5-Trimethylbenzene	0.125	0.122	0.102	97.6	81.6	73.0-127			17.9	20
Vinyl chloride	0.125	0.108	0.106	86.4	84.8	63.0-134			1.87	20
Xylenes, Total	0.375	0.353	0.308	94.1	82.1	72.0-127			13.6	20
(S) Toluene-d8				96.9	96.3	75.0-131				
(S) 4-Bromofluorobenzene				90.5	89.4	67.0-138				
(S) 1,2-Dichloroethane-d4				95.3	99.2	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3997271-3 11/06/23 03:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3997271-3 11/06/23 03:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	99.1			75.0-131
(S) 4-Bromofluorobenzene	92.8			67.0-138
(S) 1,2-Dichloroethane-d4	92.5			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997271-1 11/06/23 01:52 • (LCSD) R3997271-2 11/06/23 02:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.741	0.739	119	118	10.0-160			0.270	31
Acrylonitrile	0.625	0.584	0.582	93.4	93.1	45.0-153			0.343	22
Benzene	0.125	0.123	0.127	98.4	102	70.0-123			3.20	20
Bromobenzene	0.125	0.127	0.131	102	105	73.0-121			3.10	20
Bromodichloromethane	0.125	0.127	0.132	102	106	73.0-121			3.86	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997271-1 11/06/23 01:52 • (LCSD) R3997271-2 11/06/23 02:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	0.125	0.111	0.117	88.8	93.6	64.0-132			5.26	20
Bromomethane	0.125	0.120	0.121	96.0	96.8	56.0-147			0.830	20
n-Butylbenzene	0.125	0.0968	0.104	77.4	83.2	68.0-135			7.17	20
sec-Butylbenzene	0.125	0.110	0.113	88.0	90.4	74.0-130			2.69	20
tert-Butylbenzene	0.125	0.106	0.111	84.8	88.8	75.0-127			4.61	20
Carbon tetrachloride	0.125	0.139	0.134	111	107	66.0-128			3.66	20
Chlorobenzene	0.125	0.117	0.121	93.6	96.8	76.0-128			3.36	20
Chlorodibromomethane	0.125	0.114	0.124	91.2	99.2	74.0-127			8.40	20
Chloroethane	0.125	0.108	0.119	86.4	95.2	61.0-134			9.69	20
Chloroform	0.125	0.136	0.141	109	113	72.0-123			3.61	20
Chloromethane	0.125	0.0920	0.0975	73.6	78.0	51.0-138			5.80	20
2-Chlorotoluene	0.125	0.125	0.122	100	97.6	75.0-124			2.43	20
4-Chlorotoluene	0.125	0.116	0.122	92.8	97.6	75.0-124			5.04	20
1,2-Dibromo-3-Chloropropane	0.125	0.105	0.114	84.0	91.2	59.0-130			8.22	20
1,2-Dibromoethane	0.125	0.115	0.125	92.0	100	74.0-128			8.33	20
Dibromomethane	0.125	0.128	0.132	102	106	75.0-122			3.08	20
1,2-Dichlorobenzene	0.125	0.111	0.117	88.8	93.6	76.0-124			5.26	20
1,3-Dichlorobenzene	0.125	0.118	0.126	94.4	101	76.0-125			6.56	20
1,4-Dichlorobenzene	0.125	0.113	0.119	90.4	95.2	77.0-121			5.17	20
Dichlorodifluoromethane	0.125	0.119	0.123	95.2	98.4	43.0-156			3.31	20
1,1-Dichloroethane	0.125	0.115	0.120	92.0	96.0	70.0-127			4.26	20
1,2-Dichloroethane	0.125	0.121	0.124	96.8	99.2	65.0-131			2.45	20
1,1-Dichloroethene	0.125	0.114	0.115	91.2	92.0	65.0-131			0.873	20
cis-1,2-Dichloroethene	0.125	0.127	0.127	102	102	73.0-125			0.000	20
trans-1,2-Dichloroethene	0.125	0.125	0.129	100	103	71.0-125			3.15	20
1,2-Dichloropropane	0.125	0.111	0.114	88.8	91.2	74.0-125			2.67	20
1,1-Dichloropropene	0.125	0.122	0.125	97.6	100	73.0-125			2.43	20
1,3-Dichloropropane	0.125	0.118	0.124	94.4	99.2	80.0-125			4.96	20
cis-1,3-Dichloropropene	0.125	0.123	0.125	98.4	100	76.0-127			1.61	20
trans-1,3-Dichloropropene	0.125	0.119	0.125	95.2	100	73.0-127			4.92	20
2,2-Dichloropropane	0.125	0.131	0.129	105	103	59.0-135			1.54	20
Di-isopropyl ether	0.125	0.106	0.109	84.8	87.2	60.0-136			2.79	20
Ethylbenzene	0.125	0.111	0.120	88.8	96.0	74.0-126			7.79	20
Hexachloro-1,3-butadiene	0.125	0.117	0.126	93.6	101	57.0-150			7.41	20
Isopropylbenzene	0.125	0.107	0.112	85.6	89.6	72.0-127			4.57	20
p-Isopropyltoluene	0.125	0.109	0.111	87.2	88.8	72.0-133			1.82	20
2-Butanone (MEK)	0.625	0.736	0.463	118	74.1	30.0-160		J3	45.5	24
Methylene Chloride	0.125	0.135	0.132	108	106	68.0-123			2.25	20
4-Methyl-2-pentanone (MIBK)	0.625	0.539	0.567	86.2	90.7	56.0-143			5.06	20
Methyl tert-butyl ether	0.125	0.138	0.132	110	106	66.0-132			4.44	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997271-1 11/06/23 01:52 • (LCSD) R3997271-2 11/06/23 02:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	0.125	0.0816	0.0866	65.3	69.3	59.0-130			5.95	20
n-Propylbenzene	0.125	0.119	0.125	95.2	100	74.0-126			4.92	20
Styrene	0.125	0.0932	0.0999	74.6	79.9	72.0-127			6.94	20
1,1,1,2-Tetrachloroethane	0.125	0.116	0.120	92.8	96.0	74.0-129			3.39	20
1,1,2,2-Tetrachloroethane	0.125	0.126	0.128	101	102	68.0-128			1.57	20
1,1,2-Trichlorotrifluoroethane	0.125	0.125	0.132	100	106	61.0-139			5.45	20
Tetrachloroethene	0.125	0.125	0.135	100	108	70.0-136			7.69	20
Toluene	0.125	0.118	0.126	94.4	101	75.0-121			6.56	20
1,2,3-Trichlorobenzene	0.125	0.0978	0.103	78.2	82.4	59.0-139			5.18	20
1,2,4-Trichlorobenzene	0.125	0.0928	0.103	74.2	82.4	62.0-137			10.4	20
1,1,1-Trichloroethane	0.125	0.132	0.132	106	106	69.0-126			0.000	20
1,1,2-Trichloroethane	0.125	0.121	0.133	96.8	106	78.0-123			9.45	20
Trichloroethene	0.125	0.123	0.129	98.4	103	76.0-126			4.76	20
Trichlorofluoromethane	0.125	0.128	0.121	102	96.8	61.0-142			5.62	20
1,2,3-Trichloropropane	0.125	0.134	0.140	107	112	67.0-129			4.38	20
1,2,4-Trimethylbenzene	0.125	0.114	0.114	91.2	91.2	70.0-126			0.000	20
1,2,3-Trimethylbenzene	0.125	0.113	0.114	90.4	91.2	74.0-124			0.881	20
1,3,5-Trimethylbenzene	0.125	0.117	0.117	93.6	93.6	73.0-127			0.000	20
Vinyl chloride	0.125	0.0956	0.104	76.5	83.2	63.0-134			8.42	20
Xylenes, Total	0.375	0.323	0.345	86.1	92.0	72.0-127			6.59	20
(S) Toluene-d8				97.0	102	75.0-131				
(S) 4-Bromofluorobenzene				89.9	91.9	67.0-138				
(S) 1,2-Dichloroethane-d4				99.0	98.2	70.0-130				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R3995533-1 11/04/23 22:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	59.6			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3995533-2 11/04/23 22:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	29.4	58.8	50.0-150	
(S) o-Terphenyl			55.6	18.0-148	

L1672163-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672163-03 11/05/23 01:38 • (MS) R3995533-4 11/05/23 01:51 • (MSD) R3995533-3 11/05/23 01:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	59.0	5.73	38.9	35.6	56.3	50.7	1	50.0-150			8.86	20
(S) o-Terphenyl					49.4	44.0		18.0-148				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

WG2164756

QUALITY CONTROL SUMMARY

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT [L1672560-08,09,10,11,12,13,14,15,16,17,18,19,20,21](#)

Method Blank (MB)

(MB) R3996261-1 11/06/23 21:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	67.0			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3996261-2 11/06/23 21:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	33.7	67.4	50.0-150	
(S) o-Terphenyl			72.2	18.0-148	

L1672560-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672560-14 11/07/23 00:55 • (MS) R3996261-3 11/07/23 01:08 • (MSD) R3996261-4 11/07/23 01:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	64.6	4.20	33.0	39.6	44.5	54.7	1	50.0-150	J6		18.2	20
(S) o-Terphenyl					32.6	37.2		18.0-148				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

WG2164773

QUALITY CONTROL SUMMARY

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO 3672560-22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37

Method Blank (MB)

(MB) R3995746-1 11/06/23 00:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	47.6			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3995746-2 11/06/23 00:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	35.1	70.2	50.0-150	
(S) o-Terphenyl			63.7	18.0-148	

L1672560-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672560-33 11/06/23 01:36 • (MS) R3995746-3 11/06/23 01:48 • (MSD) R3995746-4 11/06/23 02:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	63.2	17.1	46.1	47.8	46.0	48.6	1	50.0-150	J6	J6	3.50	20
(S) o-Terphenyl					24.9	27.5		18.0-148				

Sample Narrative:

OS: Sample resembles laboratory standard for Hydraulic Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

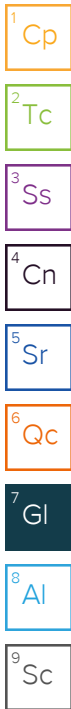
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.



ACCREDITATIONS & LOCATIONS

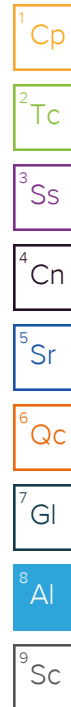
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225		Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 1 of 4					
Report to: Brian Godbois		Email To: BGodbois@partneresi.com; CMartini@partneresi		MRCRA8 4ozClr-NoPres NWTPHDXNOSGT 4ozClr-NoPres NWTPHGX 40mlAmb/MeOH10ml/Syr V8260 40mlAmb/MeOH10ml/Syr												 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf					
Project Description: 503 Bella Street		City/State Collected: Sedro Woolley, WA														Please Circle: ☒ MT ☐ CT ☐ ET		SDG # U1672560 B225			
Phone: 206-518-4274		Client Project # 23-424487.1														Lab Project # PARENGSWA-234244871		Table			
Collected by (print): Brian Godbois		Site/Facility ID #														P.O. #		Acctnum: PARENGSWA Template: T239801 Prelogin: P1030549 PM: 3813 - Marty Edwards III PB:			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☒ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs		Shipped Via:		Remarks		Sample # (lab only)							
Immediately Packed on Ice ☐ N ☒ Y		Sample ID		Comp/Grab		Matrix *		Depth		Date		Time		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☒ N Preservation Correct/Checked: ☐ Y ☒ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: Samples returned via: ☒ UPS ☐ FedEx ☐ Courier		Tracking #		Relinquished by: (Signature) 		Date: 10-31-23		Time: 1206		Received by: (Signature)		Trip Blank Received: Yes/No ☒ HCL/MeoH ☐ TBR		Temp: _____ °C Bottles Received: 87		If preservation required by Login: Date/Time			
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date:		Time:		Hold:		Condition: NCF / OK	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date:		Time:		Hold:		Condition: NCF / OK	

Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225				Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501				Pres Chk				Analysis / Container / Preservative				Chain of Custody Page 2 of 4																																																																																																
Report to: Brian Godbois				Email To: BGodbois@partneresi.com; CMartini@partneresi				 Pace PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf				SDG # L16725100 Table # Acctnum: PARENGSWA Template: T239801 Prelogin: P1030549 PM: 3813 - Marty Edwards III PB: Shipped Via:																																																																																																				
Project Description: 503 Bella Street		City/State: Sedro Woolley, WA		Please Circle: ☒ MT ☐ CT ☐ ET																																																																																																												
Phone: 206-518-4274		Client Project # 23-424487.1		Lab Project # PARENGSWA-234244871																																																																																																												
Collected by (print): Brian Godbois		Site/Facility ID #		P.O. #																																																																																																												
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Packed on Ice N ☐ Y ☒		Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">MRCRA8 4ozClr-NoPres</td> <td style="width: 10%;">NWTPHDXNOSGT 4ozClr-NoPres</td> <td style="width: 10%;">NWTPHGX 40mlAmb/MeOH10ml/Syr</td> <td style="width: 10%;">V8260 40mlAmb/MeOH10ml/Syr</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>				MRCRA8 4ozClr-NoPres	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	V8260 40mlAmb/MeOH10ml/Syr							X	X	X								X	X	X	X							X	X	X								X	X	X								X	X	X	X							X	X	X								X	X	X								X	X	X								X	X	X							
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TA6-1		↓	SS	↓	1700	2																																																																																																										

* Matrix: SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

Samples returned via: ☒ UPS ☐ FedEx ☐ Courier Tracking #

Relinquished by: (Signature) **BL** Date: **10-31-23** Time: **1200**

Relinquished by: (Signature) Date: Time: Received by: (Signature) Trip Blank Received: Yes / No
 HCL / MeOH
 TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: °C Bottles Received: If preservation required by Login: Date/Time

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) Date: Time: Hold: Condition: NCF ☒ OK

Sample Receipt Checklist
 COC Seal Present/Intact: ☒ N
 COC Signed/Accurate: ☒ N
 Bottles arrive intact: ☒ N
 Correct bottles used: ☒ N
 Sufficient volume sent: ☒ N
 If Applicable
 VOA Zero Headspace: ☒ N
 Preservation Correct/Checked: ☒ N
 RAD Screen <0.5 mR/hr: ☒ N

Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225			Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 3 of 4	
Report to: Brian Godbois			Email To: BGodbois@partneresi.com; CMartini@partneresi															 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf	
Project Description: 503 Bella Street			City/State Collected: Sedro Woolley, WA			Please Circle: ☒ P ☐ MT ☐ CT ☐ ET													
Phone: 206-518-4274		Client Project # 23-424487.1		Lab Project # PARENGSWA-234244871														SDG # L1672560	
Collected by (print): Brian Godbois		Site/Facility ID #		P.O. #														Table #	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☒ Same Day ☒ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #														Acctnum: PARENGSWA Template: T239801 Prelogin: P1030549 PM: 3813 - Marty Edwards III PB:	
Immediately Packed on Ice ☐ N ☒ Y				Date Results Needed														Shipped Via:	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	MRCRA8 4ozClr-NoPres	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	V8260 40mlAmb/MeOH10ml/Syr						Remarks	Sample # (lab only)	
TA 6-2		grab	SS		10-27-23	1705	2	X	X	X								-21	
TA 6-3			SS			1710		X	X	X	X							-22	
TA 6-4			SS			1715		X	X	X								-23	
TA 7-1			SS			1745		X	X	X								-24	
TA 8-1			SS			1715		X	X	X								-25	
TA 8-2			SS			1720		X	X	X	X							-26	
TA 8-3			SS			1725		X	X	X								-27	
TA 8-1-1.5			SS			1730		X	X	X								-28	
TA 9-1			SS			1610		X	X	X								-29	
TA 9-2			SS			1615		X	X	X								-30	

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other

Remarks:

Samples returned via:
☐ UPS ☒ FedEx ☐ Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N

COC Signed/Accurate: ☒ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

If Applicable

VOA Zero Headspace: ☒ Y ☐ N

Preservation Correct/Checked: ☒ Y ☐ N

RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature) 		Date: 10-31-23		Time: 1200		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received: If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 11-1-23 Time: 9:00 Hold: Condition: NCF / OK	

Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225				Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501				Pres Chk				Analysis / Container / Preservative				Chain of Custody Page 4 of 4	
Report to: Brian Godbois				Email To: BGodbois@partneresi.com; CMartini@partneresi				 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pai-standard-terms.pdf				SDG # L1672510 Table # Acctnum: PARENGSWA Template: T239801 Prelogin: P1030549 PM: 3813 - Marty Edwards III PB: Shipped Via:					
Project Description: 503 Bella Street		City/State Collected: Sedro Woolley, WA		Please Circle: ☒ PT ☐ MT ☐ CT ☐ ET													
Phone: 206-518-4274		Client Project # 23-424487.1		Lab Project # PARENGSWA-234244871													
Collected by (print): Brian Godbois		Site/Facility ID #		P.O. #													
Collected by (signature): BG		Rush? (Lab MUST Be Notified) ☒ Same Day ☒ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote # Date Results Needed		No. of Cntrs											
Immediately Packed on Ice N ☐ Y ☒		Sample ID		Comp/Grab				Matrix *		Depth		Date		Time			
TA 10-1 TA 10-2 TA 10-3 TA 10-4 TA 11 TA 12 BP 1		grab		SS		10-27-23		1650		2		Y X Y		Y			
				SS				1655				X X X		Y			
				SS				1700				X X X					
				SS				1705				X X X					
				SS				1620				X X X		Y			
				SS				1625				Y X X					
				SS				1720		3		X X X		X			
				SS													
				SS													
				SS													

*** Matrix:**
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - Waste Water
 DW - Drinking Water
 OT - Other

Remarks:

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
☐ UPS ☒ FedEx ☐ Courier

Tracking #

Relinquished by: (Signature) BG	Date: 10-31-23	Time: 1200	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 9 10	Date: 11-1-23 Time: 9:00	Hold: Condition: NCF / OK

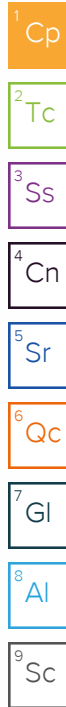
Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N
 COC Signed/Accurate: ☒ Y ☐ N
 Bottles arrive intact: ☒ Y ☐ N
 Correct bottles used: ☒ Y ☐ N
 Sufficient volume sent: ☒ Y ☐ N
If Applicable
 VOA Zero Headspace: ☒ Y ☐ N
 Preservation Correct/Checked: ☒ Y ☐ N
 RAD Screen <0.5 mR/hr: ☒ Y ☐ N



ANALYTICAL REPORT

February 01, 2024



Partner Engineering & Science - WA

Sample Delivery Group: L1699603
Samples Received: 01/27/2024
Project Number: 23-424487.2
Description: 503 Bella Street

Report To: Brian Godbois
2708 James Street
Bellingham, WA 98225

Entire Report Reviewed By:

Marty Edwards

Marty Edwards III
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

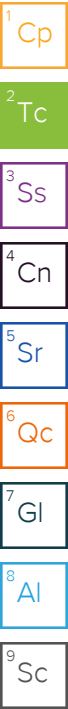
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

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SAMPLE SUMMARY

BP1-N L1699603-01 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:00

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 03:30	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 14:00	NH	Mt. Juliet, TN

BP1-S L1699603-02 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:05

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 03:49	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 15:41	NH	Mt. Juliet, TN

BP1-E L1699603-03 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:10

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 04:09	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 12:58	NH	Mt. Juliet, TN

BP1-W L1699603-04 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:15

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 04:28	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 13:12	NH	Mt. Juliet, TN

BP1-B L1699603-05 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:20

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 04:47	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 13:41	NH	Mt. Juliet, TN

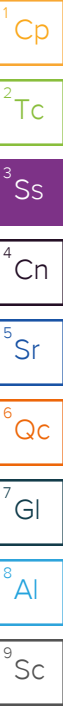
TA4-N L1699603-06 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:35

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 05:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 12:44	NH	Mt. Juliet, TN



SAMPLE SUMMARY

TA4-S L1699603-07 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:40

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 05:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 13:27	NH	Mt. Juliet, TN

TA4-E L1699603-08 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:45

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 06:43	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 15:27	NH	Mt. Juliet, TN

TA4-W L1699603-09 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:50

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 07:03	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 11:17	NH	Mt. Juliet, TN

TA4-B L1699603-10 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 10:55

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215173	1	01/29/24 10:05	01/29/24 10:14	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 07:22	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 12:00	NH	Mt. Juliet, TN

TA7-N L1699603-11 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 14:40

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 07:42	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 14:44	NH	Mt. Juliet, TN

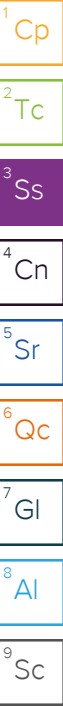
TA7-S L1699603-12 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 14:45

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 08:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 14:15	NH	Mt. Juliet, TN



SAMPLE SUMMARY

TA7-E L1699603-13 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 14:50

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 08:20	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 14:29	NH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

TA7-W L1699603-14 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 14:55

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 08:40	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 14:58	NH	Mt. Juliet, TN

TA7-B L1699603-15 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 15:00

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 08:59	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 15:13	NH	Mt. Juliet, TN

TA8-N L1699603-16 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 11:20

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 09:18	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 12:29	NH	Mt. Juliet, TN

TA8-S L1699603-17 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 11:25

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215072	25	01/28/24 11:09	01/29/24 09:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	5	01/28/24 20:13	01/29/24 16:24	JSS	Mt. Juliet, TN

TA8-E L1699603-18 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 11:30

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:09	01/29/24 17:50	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 16:10	JSS	Mt. Juliet, TN

SAMPLE SUMMARY

TA8-W L1699603-19 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 11:35

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:09	01/29/24 18:09	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 15:56	JSS	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

TA8-B L1699603-20 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 11:40

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215174	1	01/29/24 09:56	01/29/24 10:04	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:09	01/29/24 18:28	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214799	1	01/28/24 20:13	01/29/24 12:14	NH	Mt. Juliet, TN

TA3-N L1699603-21 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 11:50

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 18:47	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 14:53	JSS	Mt. Juliet, TN

TA3-S L1699603-22 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 11:55

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 19:07	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 16:38	JSS	Mt. Juliet, TN

TA3-E L1699603-23 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 12:00

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 19:26	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/30/24 01:49	KAP	Mt. Juliet, TN

TA3-W L1699603-24 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 12:05

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 19:46	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 15:59	JSS	Mt. Juliet, TN

SAMPLE SUMMARY

TA3-B L1699603-25 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 12:10

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 20:05	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 16:25	JSS	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

TA1-N L1699603-26 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 13:00

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 20:24	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 15:33	JSS	Mt. Juliet, TN

TA1-S L1699603-27 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 13:05

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 20:44	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 17:17	JSS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	5	01/29/24 07:42	01/30/24 07:13	KAP	Mt. Juliet, TN

TA1-EN L1699603-28 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 13:10

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 21:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 15:46	JSS	Mt. Juliet, TN

TA1-ES L1699603-29 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 13:15

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215077	25	01/28/24 11:47	01/29/24 21:55	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 16:12	JSS	Mt. Juliet, TN

TA1-WN L1699603-30 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 13:20

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215175	1	01/29/24 09:47	01/29/24 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215175	25	01/28/24 11:47	01/30/24 10:53	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 16:51	JSS	Mt. Juliet, TN

SAMPLE SUMMARY

TA1-WS L1699603-31 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 13:25

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215176	1	01/29/24 09:40	01/29/24 09:45	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2215715	25	01/28/24 11:47	01/30/24 11:15	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 17:04	JSS	Mt. Juliet, TN

TA1-BN L1699603-32 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 13:30

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215176	1	01/29/24 09:40	01/29/24 09:45	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2216163	25	01/28/24 11:47	01/31/24 17:25	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 15:07	JSS	Mt. Juliet, TN

TA1-BS L1699603-33 Solid

Collected by
Brian Godbois

Collected date/time
01/25/24 13:35

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2215176	1	01/29/24 09:40	01/29/24 09:45	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2216163	25	01/28/24 11:47	01/31/24 17:44	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2214800	1	01/29/24 07:42	01/29/24 15:20	JSS	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Marty Edwards III
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.0		1	01/29/2024 10:14	WG2215173

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.25	3.68	25	01/29/2024 03:30	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	93.3			77.0-120		01/29/2024 03:30	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.64	4.94	1	01/29/2024 14:00	WG2214799
Residual Range Organics (RRO)	10.9	J	4.11	12.3	1	01/29/2024 14:00	WG2214799
(S) o-Terphenyl	55.9			18.0-148		01/29/2024 14:00	WG2214799

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.3		1	01/29/2024 10:14	WG2215173

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.40	J	1.38	4.06	25	01/29/2024 03:49	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	94.0			77.0-120		01/29/2024 03:49	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	7.17		1.74	5.24	1	01/29/2024 15:41	WG2214799
Residual Range Organics (RRO)	33.3		4.37	13.1	1	01/29/2024 15:41	WG2214799
(S) o-Terphenyl	47.2			18.0-148		01/29/2024 15:41	WG2214799

Sample Narrative:
L1699603-02 WG2214799: Sample does not resemble laboratory standards.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.0		1	01/29/2024 10:14	WG2215173

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.17	3.46	25	01/29/2024 04:09	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	90.8			77.0-120		01/29/2024 04:09	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.31	<u>J</u>	1.58	4.76	1	01/29/2024 12:58	WG2214799
Residual Range Organics (RRO)	11.1	<u>J</u>	3.96	11.9	1	01/29/2024 12:58	WG2214799
(S) o-Terphenyl	52.0			18.0-148		01/29/2024 12:58	WG2214799

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.1		1	01/29/2024 10:14	WG2215173

1
Cp

2
Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.40	J	1.32	3.90	25	01/29/2024 04:28	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	94.5			77.0-120		01/29/2024 04:28	WG2215072

3
Ss

4
Cn

5
Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.16	J	1.70	5.12	1	01/29/2024 13:12	WG2214799
Residual Range Organics (RRO)	15.2		4.26	12.8	1	01/29/2024 13:12	WG2214799
(S) o-Terphenyl	42.1			18.0-148		01/29/2024 13:12	WG2214799

6
Qc

7
Gl

8
Al

Sample Narrative:

L1699603-04 WG2214799: Sample resembles laboratory standard for Hydraulic Oil.

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.9		1	01/29/2024 10:14	WG2215173

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.87	J	1.30	3.84	25	01/29/2024 04:47	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	92.8			77.0-120		01/29/2024 04:47	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	6.71		1.69	5.07	1	01/29/2024 13:41	WG2214799
Residual Range Organics (RRO)	24.7		4.22	12.7	1	01/29/2024 13:41	WG2214799
(S) o-Terphenyl	52.5			18.0-148		01/29/2024 13:41	WG2214799

Sample Narrative:

L1699603-05 WG2214799: Sample resembles laboratory standard for Hydraulic Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	67.8		1	01/29/2024 10:14	WG2215173

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.65	4.88	25	01/29/2024 05:07	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	92.1			77.0-120		01/29/2024 05:07	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.96	5.90	1	01/29/2024 12:44	WG2214799
Residual Range Organics (RRO)	5.62	J	4.91	14.8	1	01/29/2024 12:44	WG2214799
(S) o-Terphenyl	57.6			18.0-148		01/29/2024 12:44	WG2214799

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.3		1	01/29/2024 10:14	WG2215173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.83	5.41	25	01/29/2024 05:26	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	93.3			77.0-120		01/29/2024 05:26	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.48	<u>J</u>	2.10	6.32	1	01/29/2024 13:27	WG2214799
Residual Range Organics (RRO)	8.28	<u>J</u>	5.26	15.8	1	01/29/2024 13:27	WG2214799
(S) o-Terphenyl	42.4			18.0-148		01/29/2024 13:27	WG2214799

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	65.4		1	01/29/2024 10:14	WG2215173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.75	5.16	25	01/29/2024 06:43	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	94.0			77.0-120		01/29/2024 06:43	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.92	J	2.03	6.12	1	01/29/2024 15:27	WG2214799
Residual Range Organics (RRO)	14.4	J	5.09	15.3	1	01/29/2024 15:27	WG2214799
(S) o-Terphenyl	48.9			18.0-148		01/29/2024 15:27	WG2214799

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	68.8		1	01/29/2024 10:14	WG2215173

¹Cp

²Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.62	4.77	25	01/29/2024 07:03	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	91.0			77.0-120		01/29/2024 07:03	WG2215072

³Ss

⁴Cn

⁵Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.93	5.82	1	01/29/2024 11:17	WG2214799
Residual Range Organics (RRO)	U		4.84	14.5	1	01/29/2024 11:17	WG2214799
(S) o-Terphenyl	44.4			18.0-148		01/29/2024 11:17	WG2214799

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.0		1	01/29/2024 10:14	WG2215173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.55	4.56	25	01/29/2024 07:22	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	93.1			77.0-120		01/29/2024 07:22	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.87	5.64	1	01/29/2024 12:00	WG2214799
Residual Range Organics (RRO)	U		4.69	14.1	1	01/29/2024 12:00	WG2214799
(S) o-Terphenyl	40.6			18.0-148		01/29/2024 12:00	WG2214799

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.0		1	01/29/2024 10:04	WG2215174

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.939	2.77	25	01/29/2024 07:42	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	93.2			77.0-120		01/29/2024 07:42	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.40	4.21	1	01/29/2024 14:44	WG2214799
Residual Range Organics (RRO)	5.04	J	3.51	10.5	1	01/29/2024 14:44	WG2214799
(S) o-Terphenyl	65.0			18.0-148		01/29/2024 14:44	WG2214799

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.1		1	01/29/2024 10:04	WG2215174

1
Cp

2
Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.08	J	0.936	2.76	25	01/29/2024 08:01	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	92.4			77.0-120		01/29/2024 08:01	WG2215072

3
Ss

4
Cn

5
Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1.62	J	1.40	4.21	1	01/29/2024 14:15	WG2214799
Residual Range Organics (RRO)	5.35	J	3.50	10.5	1	01/29/2024 14:15	WG2214799
(S) o-Terphenyl	62.0			18.0-148		01/29/2024 14:15	WG2214799

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.1		1	01/29/2024 10:04	WG2215174

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.995	2.93	25	01/29/2024 08:20	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	92.8			77.0-120		01/29/2024 08:20	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.20	J	1.44	4.34	1	01/29/2024 14:29	WG2214799
Residual Range Organics (RRO)	11.4		3.62	10.9	1	01/29/2024 14:29	WG2214799
(S) o-Terphenyl	56.0			18.0-148		01/29/2024 14:29	WG2214799

Sample Narrative:

L1699603-13 WG2214799: Sample resembles laboratory standard for Hydraulic Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	01/29/2024 10:04	WG2215174

¹Cp

²Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.967	2.85	25	01/29/2024 08:40	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	91.2			77.0-120		01/29/2024 08:40	WG2215072

³Ss

⁴Cn

⁵Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.47	<u>J</u>	1.42	4.28	1	01/29/2024 14:58	WG2214799
Residual Range Organics (RRO)	18.8		3.56	10.7	1	01/29/2024 14:58	WG2214799
(S) o-Terphenyl	54.7			18.0-148		01/29/2024 14:58	WG2214799

⁶Qc

⁷Gl

⁸Al

Sample Narrative:

L1699603-14 WG2214799: Sample resembles laboratory standard for Hydraulic Oil.

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.0		1	01/29/2024 10:04	WG2215174

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.63	<u>J</u>	1.54	4.55	25	01/29/2024 08:59	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	91.6			77.0-120		01/29/2024 08:59	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.14	<u>J</u>	1.87	5.63	1	01/29/2024 15:13	WG2214799
Residual Range Organics (RRO)	8.01	<u>J</u>	4.69	14.1	1	01/29/2024 15:13	WG2214799
(S) o-Terphenyl	40.5			18.0-148		01/29/2024 15:13	WG2214799

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.4		1	01/29/2024 10:04	WG2215174

¹Cp

²Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.949	<u>J</u>	0.949	2.80	25	01/29/2024 09:18	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	92.6			77.0-120		01/29/2024 09:18	WG2215072

³Ss

⁴Cn

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.41	4.24	1	01/29/2024 12:29	WG2214799
Residual Range Organics (RRO)	U		3.53	10.6	1	01/29/2024 12:29	WG2214799
(S) o-Terphenyl	60.2			18.0-148		01/29/2024 12:29	WG2214799

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.1		1	01/29/2024 10:04	WG2215174

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.19	J	0.973	2.87	25	01/29/2024 09:38	WG2215072
(S) a,a,a-Trifluorotoluene(FID)	93.8			77.0-120		01/29/2024 09:38	WG2215072

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	63.7		7.14	21.5	5	01/29/2024 16:24	WG2214799
Residual Range Organics (RRO)	245		17.8	53.7	5	01/29/2024 16:24	WG2214799
(S) o-Terphenyl	42.1			18.0-148		01/29/2024 16:24	WG2214799

Sample Narrative:

L1699603-17 WG2214799: Sample resembles laboratory standard for Motor Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.6		1	01/29/2024 10:04	WG2215174

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.15	B J	0.964	2.84	25	01/29/2024 17:50	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	93.9			77.0-120		01/29/2024 17:50	WG2215077

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	17.8		1.42	4.27	1	01/29/2024 16:10	WG2214799
Residual Range Organics (RRO)	45.2		3.56	10.7	1	01/29/2024 16:10	WG2214799
(S) o-Terphenyl	45.4			18.0-148		01/29/2024 16:10	WG2214799

Sample Narrative:

L1699603-18 WG2214799: Sample resembles laboratory standard for Motor Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.3		1	01/29/2024 10:04	WG2215174

¹Cp

²Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.07	B J	0.932	2.75	25	01/29/2024 18:09	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	94.3			77.0-120		01/29/2024 18:09	WG2215077

³Ss

⁴Cn

⁵Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	18.4		1.40	4.20	1	01/29/2024 15:56	WG2214799
Residual Range Organics (RRO)	28.7		3.49	10.5	1	01/29/2024 15:56	WG2214799
(S) o-Terphenyl	56.9			18.0-148		01/29/2024 15:56	WG2214799

⁶Qc

⁷Gl

⁸Al

Sample Narrative:

L1699603-19 WG2214799: Sample resembles laboratory standard for Motor Oil.

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.5		1	01/29/2024 10:04	WG2215174

1
Cp

2
Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.56	B J	1.52	4.49	25	01/29/2024 18:28	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	91.6			77.0-120		01/29/2024 18:28	WG2215077

3
Ss

4
Cn

5
Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.86	5.60	1	01/29/2024 12:14	WG2214799
Residual Range Organics (RRO)	U		4.66	14.0	1	01/29/2024 12:14	WG2214799
(S) o-Terphenyl	43.0			18.0-148		01/29/2024 12:14	WG2214799

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.8		1	01/29/2024 09:55	WG2215175

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.14	B J	0.923	2.72	25	01/29/2024 18:47	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	91.8			77.0-120		01/29/2024 18:47	WG2215077

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	12.1		1.39	4.18	1	01/29/2024 14:53	WG2214800
Residual Range Organics (RRO)	8.83	J	3.48	10.4	1	01/29/2024 14:53	WG2214800
(S) o-Terphenyl	51.4			18.0-148		01/29/2024 14:53	WG2214800

Sample Narrative:

L1699603-21 WG2214800: Sample resembles laboratory standard for Hydraulic Fluid.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.2		1	01/29/2024 09:55	WG2215175

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2.02	B J	0.952	2.81	25	01/29/2024 19:07	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	95.0			77.0-120		01/29/2024 19:07	WG2215077

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	15.9		1.41	4.24	1	01/29/2024 16:38	WG2214800
Residual Range Organics (RRO)	33.6		3.53	10.6	1	01/29/2024 16:38	WG2214800
(S) o-Terphenyl	50.2			18.0-148		01/29/2024 16:38	WG2214800

Sample Narrative:

L1699603-22 WG2214800: Sample does not resemble laboratory standards.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	01/29/2024 09:55	WG2215175

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2.06	B J	1.03	3.03	25	01/29/2024 19:26	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	95.0			77.0-120		01/29/2024 19:26	WG2215077

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	9.01		1.47	4.42	1	01/30/2024 01:49	WG2214800
Residual Range Organics (RRO)	52.3		3.68	11.1	1	01/30/2024 01:49	WG2214800
(S) o-Terphenyl	55.4			18.0-148		01/30/2024 01:49	WG2214800

Sample Narrative:

L1699603-23 WG2214800: ample resembles laboratory standard for Hydraulic Oil.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.6		1	01/29/2024 09:55	WG2215175

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.984	2.90	25	01/29/2024 19:46	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	94.2			77.0-120		01/29/2024 19:46	WG2215077

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.36	J	1.44	4.32	1	01/29/2024 15:59	WG2214800
Residual Range Organics (RRO)	5.36	J	3.60	10.8	1	01/29/2024 15:59	WG2214800
(S) o-Terphenyl	52.1			18.0-148		01/29/2024 15:59	WG2214800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.9		1	01/29/2024 09:55	WG2215175

1
Cp

2
Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.48	4.36	25	01/29/2024 20:05	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	92.5			77.0-120		01/29/2024 20:05	WG2215077

3
Ss

4
Cn

5
Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.41	<u>J</u>	1.82	5.49	1	01/29/2024 16:25	WG2214800
Residual Range Organics (RRO)	6.03	<u>J</u>	4.57	13.7	1	01/29/2024 16:25	WG2214800
(S) o-Terphenyl	48.2			18.0-148		01/29/2024 16:25	WG2214800

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.8		1	01/29/2024 09:55	WG2215175

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.51	4.47	25	01/29/2024 20:24	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	93.5			77.0-120		01/29/2024 20:24	WG2215077

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.85	5.57	1	01/29/2024 15:33	WG2214800
Residual Range Organics (RRO)	U		4.64	13.9	1	01/29/2024 15:33	WG2214800
(S) o-Terphenyl	45.2			18.0-148		01/29/2024 15:33	WG2214800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.2		1	01/29/2024 09:55	WG2215175

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.952	2.81	25	01/29/2024 20:44	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	94.2			77.0-120		01/29/2024 20:44	WG2215077

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	60.1		1.41	4.25	1	01/29/2024 17:17	WG2214800
Residual Range Organics (RRO)	489		17.6	53.1	5	01/30/2024 07:13	WG2214800
(S) o-Terphenyl	48.8			18.0-148		01/29/2024 17:17	WG2214800
(S) o-Terphenyl	47.5			18.0-148		01/30/2024 07:13	WG2214800

Sample Narrative:

L1699603-27 WG2214800: Sample resembles laboratory standard for Hydraulic Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.5		1	01/29/2024 09:55	WG2215175

¹Cp

²Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.927	2.73	25	01/29/2024 21:03	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	93.7			77.0-120		01/29/2024 21:03	WG2215077

³Ss

⁴Cn

⁵Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.39	4.19	1	01/29/2024 15:46	WG2214800
Residual Range Organics (RRO)	U		3.49	10.5	1	01/29/2024 15:46	WG2214800
(S) o-Terphenyl	55.4			18.0-148		01/29/2024 15:46	WG2214800

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.7		1	01/29/2024 09:55	WG2215175

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.57	B J	0.962	2.84	25	01/29/2024 21:55	WG2215077
(S) a,a,a-Trifluorotoluene(FID)	92.5			77.0-120		01/29/2024 21:55	WG2215077

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.79	J	1.42	4.27	1	01/29/2024 16:12	WG2214800
Residual Range Organics (RRO)	26.7		3.55	10.7	1	01/29/2024 16:12	WG2214800
(S) o-Terphenyl	51.7			18.0-148		01/29/2024 16:12	WG2214800

Sample Narrative:

L1699603-29 WG2214800: Sample resembles laboratory standard for Hydraulic Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	69.4		1	01/29/2024 09:55	WG2215175

¹Cp

²Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.60	4.72	25	01/30/2024 10:53	WG2215715
(S) a,a,a-Trifluorotoluene(FID)	90.6			77.0-120		01/30/2024 10:53	WG2215715

³Ss

⁴Cn

⁵Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	7.33		1.92	5.76	1	01/29/2024 16:51	WG2214800
Residual Range Organics (RRO)	33.1		4.80	14.4	1	01/29/2024 16:51	WG2214800
(S) o-Terphenyl	48.0			18.0-148		01/29/2024 16:51	WG2214800

⁶Qc

⁷Gl

⁸Al

Sample Narrative:

L1699603-30 WG2214800: Sample does not resemble laboratory standards.

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	69.4		1	01/29/2024 09:45	WG2215176

1
Cp

2
Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.60	4.72	25	01/30/2024 11:15	WG2215715
(S) a,a,a-Trifluorotoluene(FID)	90.9			77.0-120		01/30/2024 11:15	WG2215715

3
Ss

4
Cn

5
Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	4.31	J	1.92	5.77	1	01/29/2024 17:04	WG2214800
Residual Range Organics (RRO)	22.6		4.80	14.4	1	01/29/2024 17:04	WG2214800
(S) o-Terphenyl	63.3			18.0-148		01/29/2024 17:04	WG2214800

6
Qc

7
Gl

8
Al

Sample Narrative:

L1699603-31 WG2214800: Sample does not resemble laboratory standards.

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.7		1	01/29/2024 09:45	WG2215176

¹Cp

²Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1.71	<u>J</u>	1.49	4.38	25	01/31/2024 17:25	WG2216163
(S) a,a,a-Trifluorotoluene(FID)	92.3			77.0-120		01/31/2024 17:25	WG2216163

³Ss

⁴Cn

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.83	5.50	1	01/29/2024 15:07	WG2214800
Residual Range Organics (RRO)	U		4.58	13.8	1	01/29/2024 15:07	WG2214800
(S) o-Terphenyl	41.7			18.0-148		01/29/2024 15:07	WG2214800

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.0		1	01/29/2024 09:45	WG2215176

1
Cp

2
Tc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		1.36	4.00	25	01/31/2024 17:44	WG2216163
(S) a,a,a-Trifluorotoluene(FID)	93.3			77.0-120		01/31/2024 17:44	WG2216163

3
Ss

4
Cn

5
Sr

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.73	5.19	1	01/29/2024 15:20	WG2214800
Residual Range Organics (RRO)	U		4.32	13.0	1	01/29/2024 15:20	WG2214800
(S) o-Terphenyl	49.4			18.0-148		01/29/2024 15:20	WG2214800

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4027524-1 01/29/24 10:14

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1699603-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1699603-07 01/29/24 10:14 • (DUP) R4027524-3 01/29/24 10:14

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	63.3	63.4	1	0.252		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4027524-2 01/29/24 10:14

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R4027512-1 01/29/24 10:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1699603-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1699603-17 01/29/24 10:04 • (DUP) R4027512-3 01/29/24 10:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	93.1	93.0	1	0.150		10

Laboratory Control Sample (LCS)

(LCS) R4027512-2 01/29/24 10:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4027510-1 01/29/24 09:55

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1699603-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1699603-27 01/29/24 09:55 • (DUP) R4027510-3 01/29/24 09:55

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	94.2	93.5	1	0.754		10

Laboratory Control Sample (LCS)

(LCS) R4027510-2 01/29/24 09:55

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4027509-1 01/29/24 09:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1699536-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1699536-01 01/29/24 09:45 • (DUP) R4027509-3 01/29/24 09:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Solids	80.0	80.1	1	0.0985		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4027509-2 01/29/24 09:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R4027370-3 01/29/24 02:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	92.0			77.0-120

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027370-1 01/29/24 00:55 • (LCSD) R4027370-2 01/29/24 01:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.82	5.58	106	101	71.0-124			4.21	20
(S) a,a,a-Trifluorotoluene(FID)				101	101	77.0-120				

L1699603-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699603-01 01/29/24 03:30 • (MS) R4027370-4 01/29/24 09:57 • (MSD) R4027370-5 01/29/24 10:16

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	200	U	197	213	98.5	107	25	50.0-150			7.89	27
(S) a,a,a-Trifluorotoluene(FID)					101	101		77.0-120				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4027583-2 01/29/24 14:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.861	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	94.9			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4027583-1 01/29/24 12:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.40	98.2	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			99.3	77.0-120	

L1699603-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699603-18 01/29/24 17:50 • (MS) R4027583-3 01/29/24 22:15 • (MSD) R4027583-4 01/29/24 22:34

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	157	1.15	160	148	101	93.5	25	50.0-150			8.12	27
(S) a,a,a-Trifluorotoluene(FID)					101	100		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4027722-3 01/30/24 01:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	89.9			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4027722-2 01/30/24 00:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	4.67	84.9	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			92.8	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4028472-3 01/31/24 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	95.4			77.0-120

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028472-1 01/31/24 12:44 • (LCSD) R4028472-2 01/31/24 13:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.71	5.45	104	99.1	71.0-124			4.66	20
(S) a,a,a-Trifluorotoluene(FID)				102	102	77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4027457-1 01/29/24 10:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	77.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4027457-2 01/29/24 11:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	35.5	71.0	50.0-150	
(S) o-Terphenyl			62.3	18.0-148	

L1699603-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699603-09 01/29/24 11:17 • (MS) R4027457-3 01/29/24 11:31 • (MSD) R4027457-4 01/29/24 11:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	72.7	U	41.4	41.3	57.0	56.8	1	50.0-150			0.351	20
(S) o-Terphenyl					41.6	34.8		18.0-148				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4027468-1 01/29/24 13:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	54.1			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4027468-2 01/29/24 13:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	31.4	62.8	50.0-150	
(S) o-Terphenyl			53.9	18.0-148	

L1699047-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699047-01 01/29/24 13:35 • (MS) R4027468-3 01/29/24 13:48 • (MSD) R4027468-4 01/29/24 14:01

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	60.7	U	30.3	32.5	50.0	53.1	1	50.0-150			6.87	20
(S) o-Terphenyl					36.5	38.0		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

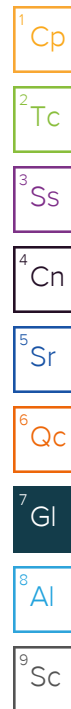
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

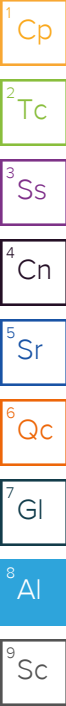
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225		Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501		Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 1 of 4 MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pac-standard-terms.pdf					
Report to: Brian Godbois		Email To: BGodbois@partneresi.com; CMartini@partneresi												SDG # U699603 J175 Acctnum: PARENGSWA Template: T244978 Prelogin: P1048785 PM: 3813 - Marty Edwards III PB: NG 111124 Shipped Via: FedEX Ground					
Project Description: 503 Bella Street		City/State Collected: Sedro Woolley, WA		Please Circle: PT MT CT ET															
Phone: 206-204-4636		Client Project # 23-424487.2		Lab Project # PARENGSWA-234244872															
Collected by (print): Brian Godbois		Site/Facility ID #		P.O. #															
Collected by (signature): BG		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☒ Three Day		Quote #															
Immediately Packed on Ice ☒ N ☐ Y		Date Results Needed		No. of Cntrs															
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time													
BPI-N		grab	SS		1-25-24	1000	1	MRCRA8 8ozClr-NoPres	NWTPHDXNOSGT 2ozClr-NoPres	NWTPHDXNOSGT 8ozClr-NoPres	NWTPHGX 8ozClr-NoPres	V8260 8ozClr-NoPres							
BPI-S			SS			1005				X	X								-01
BPI-E			SS			1010				X	X								-02
BPI-W			SS			1015				X	X								-03
BPI-B			SS			1020				X	X								-04
TAY-N			SS			1035				X	X								-05
TAY-S			SS			1040				X	X								-06
TAY-E			SS			1045				X	X								-07
TAY-W			SS			1050				X	X								-08
TAY-B		✓	SS			1055	✓			X	X								-09
																			-10
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☒ ☐ N Bottles arrive intact: ☒ ☐ N Correct bottles used: ☒ ☐ N Sufficient volume sent: ☒ ☐ N If Applicable VOA Zero HeadSpace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N RAD Screen <0.5 mR/hr: ☒ ☐ N									
Relinquished by: (Signature) BG		Date: 1-26-24		Time: 1230		Received by: (Signature)				Trip Blank Received: Yes ☒ No ☐ HCL / MeOH TBR									
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)				Temp: _____ °C Bottles Received: 34				If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) Calub TREP				Date: 1/27/24 Time: 09:00				Hold: Condition: NCF / OK					

Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225				Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501				Analysis / Container / Preservative Pres Chk MRCRA8 8ozClr-NoPres NWTPHDXN OSGT 2ozClr-NoPres NWTPHDXN OSGT 8ozClr-NoPres NWTPHGX 8ozClr-NoPres V8260 8ozClr-NoPres Lead Gold TCLP				Chain of Custody Page 2 of 4 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/mubf/pas-standard-terms.pdf			
Report to: Brian Godbois				Email To: BGodbois@partnersci.com; CMartini@partnersci.com				SDG # UL699603 Table # Acctnum: PARENGSWA Template: T244978 Prelogin: P1048785 PM: 3813 - Marty Edwards III PB: NG 1/11/24 Shipped Via: FedEX Ground Remarks Sample # (lab only)							
Project Description: 503 Bella Street		City/State Collected: Sebro Woodley, WA		Please Circle: ☒ PT ☐ MT ☐ CT ☐ ET											
Phone: 206-204-4636		Client Project # 23-424487.2		Lab Project # PARENGSWA-234244872											
Collected by (print): Brian Godbois		Site/Facility ID #		P.O. #											
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Next Day ☐ Two Day ☒ Three Day ☐ Five Day ☐ 5 Day (Rad Only) ☐ 10 Day (Rad Only)		Quote #											
Immediately Packed on Ice ☒ N ☒ Y		Date Results Needed		No. of Cntrs											
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time									
TAY-SC		Comp	SS	1-25-24	1100	1									
TA7-N		grab	SS	1440	1440	1									
TA7-S		SS	SS	1445	1445	1									
TA7-E		SS	SS	1450	1450	1									
TA7-W		SS	SS	1455	1455	1									
TA7-B		SS	SS	1500	1500	1									
TA8-N		SS	SS	1120	1120	1									
TA8-S		SS	SS	1125	1125	1									
TA8-E		SS	SS	1130	1130	1									
TA8-W		SS	SS	1135	1135	1									
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Please run TAY-SC on fastast TAT				pH _____ Temp _____ Flow _____ Other _____									
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #				Trip Blank Received: Yes ☒ No HCL / MeOH TBR									
Relinquished by: (Signature) 		Date: 1-26-24	Time: 1230	Received by: (Signature)		Temp: °C Bottles Received: 34		If preservation required by Login: Date/Time							
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) Caleb Tulep		Date: 1/27/24 Time: 09:00		Hold: Condition: NCF / OK							

Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225				Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501				Analysis / Container / Preservative Pres Chk				Chain of Custody Page 3 of 4 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf			
Report to: Brian Godbois				Email To: BGodbois@partneresi.com;CMartini@partneresi.com											
Project Description: 503 Bella Street				City/State Collected: Sedro Woolley, WA											
Phone: 206-204-4636		Client Project # 23-424487.2		Lab Project # PARENGSWA-234244872											
Collected by (print): Brian Godbois		Site/Facility ID #		P.O. #											
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☒ Three Day		Quote #											
Immediately Packed on Ice ☒ N ☐ Y		Date Results Needed		No. of Cntrs											
Sample ID		Comp/Grab		Matrix *											
Depth		Date		Time											
TA 8 - B		grab		SS											
TA 3 - N		SS		1-25-24 1140											
TA 3 - S		SS		1150											
TA 3 - E		SS		1155											
TA 3 - W		SS		1200											
TA 3 - B		SS		1205											
TA 1 - N		SS		1210											
TA 1 - S		SS		1300											
TA 1 - EN		SS		1305											
TA 1 - ES		SS		1310											
TA 1 - ES		SS		1315											

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks:

Samples returned via:
☐ UPS ☒ FedEx ☐ Courier

Tracking #

Relinquished by: (Signature)

Date:
1-26-24

Time:
1230

Received by: (Signature)
Calb Tapp

Trip Blank Received: Yes ☒ No ☐
 HCL / MeOH
 TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: **34**

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)
Calb Tapp

Date: **1/27/24** Time: **09:00**

Hold:

Condition: **NCF** ☒ OK ☐

Sample Receipt Checklist

COC Seal Present/Intact:	☒ Y ☐ N
COC Signed/Accurate:	☒ Y ☐ N
Bottles arrive intact:	☒ Y ☐ N
Correct bottles used:	☒ Y ☐ N
Sufficient volume sent:	☒ Y ☐ N
If Applicable	
VOA Zero Headspace:	☒ Y ☐ N
Preservation Correct/Checked:	☒ Y ☐ N
RAD Screen <0.5 mR/hr:	☒ Y ☐ N

Company Name/Address:

Partner Engineering & Science - WA

2708 James Street
Bellingham, WA 98225

Billing Information:

Accounts Payable
2154 Torrance Blvd.
Torrance, CA 90501Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 4 of 4



MT JULIET, TN

12065 Lebanon Rd. Mount Juliet, TN 37122
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # 11099603

Table #

Acctnum: PARENGSWA

Template: T244978

Prelogin: P1048785

PM: 3813 - Marty Edwards III

PB: NG 111134

Shipped Via: FedEx Ground

Remarks Sample # (lab only)

Report to:

Brian Godbois

Email To:

BGodbois@partneresi.com; CMartini@partneresi.com

Project Description:

503 Bella Street

City/State

Collected: Sebro Woodley, WA

Please Circle:

PT MT CT ET

Phone: 206-204-4636

Client Project #

23-424487.2

Lab Project #

PARENGSWA-234244872

Collected by (print):

Brian Godbois

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Date Results Needed

Immediately
Packed on Ice N ☒ YNo.
of
Cntrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

MRCRA8 8ozClr-NoPres

NWT PHDXN OSGT 2ozClr-NoPres

NWT PHDXN OSGT 8ozClr-NoPres

NWT PHGX 8ozClr-NoPres

V8260 8ozClr-NoPres

TAI-WN

grab

SS

1-25-24

1320

1

TAI-WS

SS

1325

1

TAI-BN

SS

1330

1

TAI-BS

w

SS

1335

1

* Matrix:

SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

Samples returned via:

☐ UPS ☒ FedEx ☐ Courier

Tracking #

pH Temp

Flow Other

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ Y ☐ N
 COC Signed/Accurate: ☒ ☐ ☐ N
 Bottles arrive intact: ☒ ☐ ☐ N
 Correct bottles used: ☒ ☐ ☐ N
 Sufficient volume sent: ☒ ☐ ☐ N
 If Applicable
 VOA Zero Headspace: ☐ Y ☒ N
 Preservation Correct/Checked: ☐ Y ☒ N
 RAD Screen <0.5 mR/hr: ☐ Y ☒ N

Relinquished by: (Signature)

Date:

1-26-24 1230

Time:

Received by: (Signature)

Trip Blank Received: Yes ☒ NoHCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C

Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition: ☒ OK

NCF / OK

[illegible]

Temperature

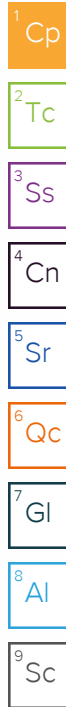
$$T_{LA8} = 1.0 + 0 = 1.0$$
$$0.840 = 0.8$$

Date _____



ANALYTICAL REPORT

January 31, 2024



Partner Engineering & Science - WA

Sample Delivery Group: L1699607
Samples Received: 01/27/2024
Project Number: 23-424487.2
Description: 503 Bella Street

Report To: Brian Godbois
2708 James Street
Bellingham, WA 98225

Entire Report Reviewed By:

Marty Edwards

Marty Edwards III
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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Qc: Quality Control Summary	6	⁴ Cn
Metals (ICP) by Method 6010D	6	⁵ Sr
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		⁸ Al
		⁹ Sc

SAMPLE SUMMARY

TA4-SC L1699607-01 Waste

Collected by
Brian Godbois

Collected date/time
01/25/24 11:00

Received date/time
01/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2215165	1	01/29/24 08:41	01/29/24 08:41	PNK	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2215948	1	01/30/24 13:04	01/30/24 17:22	ZSA	Mt. Juliet, TN

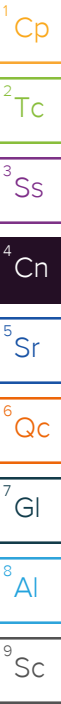
¹Cp ${}^2\text{Tc}$ 3S_1 ${}^4\text{Cn}$ ^5Sr ${}^6\text{Qc}$ ${}^7\text{Gf}$ ${}^8\text{Al}$ ${}^9\text{Sc}$

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Marty Edwards III
Project Manager



Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		1/29/2024 8:41:15 AM	WG2215165
Initial pH	3.35		1/29/2024 8:41:15 AM	WG2215165
Final pH	5.78		1/29/2024 8:41:15 AM	WG2215165

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	ND		0.100	5	1	01/30/2024 17:22	WG2215948

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4027980-1 01/30/24 16:46

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Lead	U		0.0333	0.100

Laboratory Control Sample (LCS)

(LCS) R4027980-2 01/30/24 16:48

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Lead	10.0	9.92	99.2	80.0-120	

L1699008-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699008-01 01/30/24 16:49 • (MS) R4027980-4 01/30/24 16:53 • (MSD) R4027980-5 01/30/24 16:55

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Lead	10.0	ND	9.81	9.80	98.1	98.0	1	75.0-125			0.100	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

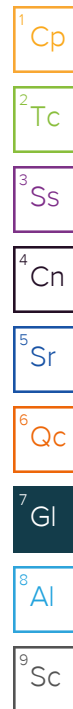
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

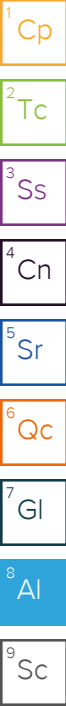
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225		Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501		Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 1 of 4 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf							
Report to: Brian Godbois		Email To: BGodbois@partneresi.com; CMartini@partneresi.com		City/State Collected: Sedro Woolley, WA		Please Circle: ☒ MT ☐ CT ☐ ET		MRCRA8 8ozClr-NoPres NWTPHDXN OSGT 2ozClr-NoPres NWTPHDXN OSGT 8ozClr-NoPres NWTPHGX 8ozClr-NoPres V8260 8ozClr-NoPres								SDG # U99607 J175 Acctnum: PARENGSWA Template: T244978 Prelogin: P1048785 PM: 3813 - Marty Edwards III PB: NG 11/1/24 Shipped Via: FedEX Ground Remarks: _____ Sample # (lab only): _____					
Project Description: 503 Bella Street		Client Project # 23-424487.2		Lab Project # PARENGSWA-234244872																	
Phone: 206-204-4636		Site/Facility ID #		P.O. #																	
Collected by (print): Brian Godbois		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☒ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #																	
Collected by (signature): 		Date Results Needed		No. of Cntrs																	
Immediately Packed on Ice ☒ N ☐ Y		Sample ID		Comp/Grab		Matrix *		Depth		Date		Time									
BPI-N		grab		SS		1-25-24		1000		1		X									
BPI-S				SS								X									
BPI-E				SS								X									
BPI-W				SS								X									
BPI-B				SS								X									
TA4-N				SS								X									
TA4-S				SS								X									
TA4-E				SS								X									
TA4-W				SS								X									
TA4-B		✓		SS								X									
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N													
Relinquished by: (Signature) 		Date: 1-26-24		Time: 1230		Received by: (Signature)		Trip Blank Received: Yes ☒ No ☐		HCL / MeOH TBR		Temp: _____ °C		Bottles Received: 34		If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Hold:		Condition:		NCF / OK					
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date:		Time:		1/21/24 09:00									

ny Name/Address:

Partner Engineering & Science - WA

2708 James Street
Bellingham, WA 98225

Billing Information:

Accounts Payable
2154 Torrance Blvd.
Torrance, CA 90501Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 4



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>SDG # UL 299607

Table #

Acctnum: PARENGSWA

Template: T244978

Prelogin: P1048785

PM: 3813 - Marty Edwards III

PB: NG 1/11/24

Shipped Via: FedEX Ground

Remarks Sample # (lab only)

Report to:

Brian Godbois

Email To:

BGodbois@partneresi.com; CMartini@partneresi

Project Description:

50 Bella Street

City/State

Collected: Sebro Woolley, WA

Please Circle:

☒ PT ☐ MT ☐ CT ☐ ET

Phone: 206-204-4636

Client Project #

23-424487.2

Lab Project #

PARENGSWA-234244872

Collected by (print):

Brian Godbois

Site/Facility ID #

P.O. #

Collected by (signature):

BG

Rush? (Lab MUST Be Notified)

☐ Same Day ☐ Five Day☐ Next Day ☐ 5 Day (Rad Only)☐ Two Day ☐ 10 Day (Rad Only)☒ Three Day

Date Results Needed

No.
of
CntsImmediately
packed on Ice N Y

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

TA4-SC

Comp

SS

1-25-24

1100

TA7-N

grab

SS

1440

TA7-S

SS

1445

TA7-E

SS

1450

TA7-W

SS

1455

TA7-B

SS

1500

TA8-N

SS

1120

TA8-S

SS

1125

TA8-E

SS

1130

TA8-W

V

SS

1135

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other

Remarks:

Please run TA4-SC on fastest
TAT

pH Temp

Flow Other

Samples returned via:

☐ UPS ☒ FedEx ☐ Courier

Tracking #

Relinquished by: (Signature)

BG

Relinquished by: (Signature)

Relinquished by: (Signature)

Date:

1-26-24

Time:

1230

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

Caleb Tapp

Trip Blank Received: Yes ☒ NoHCL / MeOH
TBR

Temp: °C Bottles Received:

Date: 1/27/24

Time: 09:00

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ Y ☐ NCOC Signed/Accurate: ☒ Y ☐ NBottles arrive intact: ☒ Y ☐ NCorrect bottles used: ☒ Y ☐ NSufficient volume sent: ☒ Y ☐ N

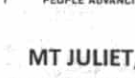
If Applicable

VOA Zero Headspace: ☐ Y ☒ NPreservation Correct/Checked: ☐ Y ☒ NRAD Screen <0.5 mR/hr: ☐ Y ☒ N

If preservation required by Login: Date/Time

Hold:

Condition:
NCF / ☒ NY

Company Name/Address: Partner Engineering & Science - WA			Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 3 of 4		
Report to: Brian Godbois			Email To: BGodbois@partneresi.com; CMartini@partneresi.com															 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf		
Project Description: 303 Bella Street			City/State Collected: Sedro Woolley, WA			Please Circle: PT MT CT ET														
Phone: 206-204-4636			Client Project # 23-424487.2			Lab Project # PARENGSWA-234244872													SDG # UL9960	
Collected by (print): Brian Godbois			Site/Facility ID #			P.O. #													Table #	
Collected by (signature): BG			Rush? (Lab MUST Be Notified) Same Day _____ Five Day _____ Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ ☒ Three Day _____			Quote #													Acctnum: PARENGSWA	
Immediately Packed on Ice N <u>Y</u> A			Date Results Needed			No. of Cntrs													Template: T244978	
																			Prelogin: P1048785	
																			PM: 3813 - Marty Edwards III	
																			PB: NG 111124	
																			Shipped Via: FedEX Ground	
																			Remarks Sample # (lab only)	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	MRCRA8 8ozClr-NoPres	NWTPHDXNOSGT 2ozClr-NoPres	NWTPHDXNOSGT 8ozClr-NoPres	NWTPHGX 8ozClr-NoPres	V8260 8ozClr-NoPres									
TA8-B	grab	SS		1-25-24	1140				X	X										
TA3-N		SS			1150				X	X										
TA3-S		SS			1155				X	X										
TA3-E		SS			1200				X	X										
TA3-W		SS			1205				X	X										
TA3-B		SS			1210				X	X										
TA1-N		SS			1300				X	X										
TA1-S		SS			1305				X	X										
TA1-EN		SS			1310				X	X										
TA1-ES		SS			1315				X	X										

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other

Remarks: pH _____ Temp _____ Flow _____ Other _____

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier Tracking # _____

Relinquished by: (Signature) **BG** Date: **1-26-24** Time: **1230** Received by: (Signature) Trip Blank Received: Yes ☒ No ☐

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: °C Bottles Received: **34** If preservation required by Login: Date/Time

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) **Caleb TREP** Date: **1/27/24** Time: **09:00** Hold: Condition: NCF / OK

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N

COC Signed/Accurate: ☒ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

If Applicable

VOA Zero Headspace: ☐ Y ☒ N

Preservation Correct/Checked: ☐ Y ☒ N

RAD Screen <0.5 mR/hr: ☐ Y ☒ N

Company Name/Address:

Partner Engineering & Science - WA

2708 James Street
Bellingham, WA 98225

Billing Information:

Accounts Payable
2154 Torrance Blvd.
Torrance, CA 90501Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 4 of 7



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

Report to:
Brian GodboisEmail To:
BGodbois@partneresi.com; CMartini@partneresi.comProject Description:
503 Bella StreetCity/State
Collected: Sebro Woodley, WA Please Circle:
(PT) MT CT ET

Phone: 206-204-4636

Client Project #
23-424487.2Lab Project #
PARENGSWA-234244872Collected by (print):
Brian Godbois

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
☒ Three Day

Date Results Needed

Immediately
Packed on Ice N ☒No.
of
Cnts

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

MRCRAB 8ozClr-NoPres

NWTPHDXN OSGT 2ozClr-NoPres

NWTPHDXN OSGT 8ozClr-NoPres

NWTPHGX 8ozClr-NoPres

V8260 8ozClr-NoPres

TAI-WN
TAI-WS
TAI-BN
TAI-BS

grab
u

SS
SS
SS
SS
SS
SS
SS
SS
SS

1-25-24 1320
1325
1330
1335

X X
X X
X X
X X

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:

UPS ☒ FedEx ☐ Courier ☐

Tracking #

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Date:

Date:

Date:

Time:

Time:

Time:

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

Trip Blank Received: Yes ☒ No

HCL / MeOH
TBR

Temp: °C Bottles Received:

Date: 1/27/24 Time: 09:00

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP Y N
COC Signed/Accurate: ☒ Y N
Bottles arrive intact: ☒ Y N
Correct bottles used: ☒ Y N
Sufficient volume sent: ☒ Y N
If Applicable
VOA Zero Headspace: ☒ Y N
Preservation Correct/Checked: ☒ Y N
RAD Screen <0.5 mR/hr: ☒ Y N

If preservation required by Login: Date/Time

Hold:

Condition:
NCF / OK

11899607

[illegible]

Name

Date _____

Partner Engineering & Science - WA

Sample Delivery Group: L1746021
Samples Received: 06/12/2024
Project Number: 23-424487.1
Description: 503 Bella Street

Report To: Brian Godbois
2708 James Street
Bellingham, WA 98225

Entire Report Reviewed By:



Marty Edwards III
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

BP1-N2 L1746021-01 Solid

Collected by
Brian Godbois

Collected date/time
06/10/24 15:10

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304179	1	06/13/24 08:23	06/13/24 08:31	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2304708	1	06/14/24 10:29	06/14/24 17:17	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2306341	2.14	06/10/24 15:10	06/17/24 11:21	ADM	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

BP1-E2 L1746021-02 Solid

Collected by
Brian Godbois

Collected date/time
06/10/24 15:20

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304179	1	06/13/24 08:23	06/13/24 08:31	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2304708	1	06/14/24 10:29	06/14/24 17:19	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2306341	2.13	06/10/24 15:20	06/17/24 11:40	ADM	Mt. Juliet, TN

BP1-W2 L1746021-03 Solid

Collected by
Brian Godbois

Collected date/time
06/10/24 15:25

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304179	1	06/13/24 08:23	06/13/24 08:31	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2304746	1	06/17/24 08:23	06/17/24 19:52	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2306341	2.01	06/10/24 15:25	06/17/24 11:59	ADM	Mt. Juliet, TN

BP1-B2 L1746021-04 Solid

Collected by
Brian Godbois

Collected date/time
06/10/24 15:05

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304179	1	06/13/24 08:23	06/13/24 08:31	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2304746	1	06/17/24 08:23	06/17/24 19:54	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2306341	2.02	06/10/24 15:05	06/17/24 12:18	ADM	Mt. Juliet, TN

BP1-S2 L1746021-05 Solid

Collected by
Brian Godbois

Collected date/time
06/10/24 15:15

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304179	1	06/13/24 08:23	06/13/24 08:31	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2304746	1	06/17/24 08:23	06/17/24 19:56	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2306341	2.02	06/10/24 15:15	06/17/24 12:37	ADM	Mt. Juliet, TN

TA1-5 L1746021-06 Solid

Collected by
Brian Godbois

Collected date/time
06/10/24 15:35

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304179	1	06/13/24 08:23	06/13/24 08:31	KDW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2306919	1	06/18/24 09:06	06/19/24 15:29	JSS	Mt. Juliet, TN

TA1-6 L1746021-07 Solid

Collected by
Brian Godbois

Collected date/time
06/10/24 15:30

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304179	1	06/13/24 08:23	06/13/24 08:31	KDW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2306919	1	06/18/24 09:06	06/19/24 16:06	JSS	Mt. Juliet, TN

ACCOUNT:

Partner Engineering & Science - WA

PROJECT:

23-424487.1

SDG:

L1746021

DATE/TIME:

06/20/24 09:27

PAGE:

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CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Marty Edwards III
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	06/13/2024 08:31	WG2304179

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	2.90		0.584	2.26	1	06/14/2024 17:17	WG2304708

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.00119	0.00254	2.14	06/17/2024 11:21	WG2306341
(S) Toluene-d8	96.2			75.0-131		06/17/2024 11:21	WG2306341
(S) 4-Bromofluorobenzene	103			67.0-138		06/17/2024 11:21	WG2306341
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		06/17/2024 11:21	WG2306341

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.9		1	06/13/2024 08:31	WG2304179

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	10.3		0.625	2.41	1	06/14/2024 17:19	WG2304708

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.0107		0.00130	0.00277	2.13	06/17/2024 11:40	WG2306341
(S) Toluene-d8	94.9			75.0-131		06/17/2024 11:40	WG2306341
(S) 4-Bromofluorobenzene	102			67.0-138		06/17/2024 11:40	WG2306341
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		06/17/2024 11:40	WG2306341

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.5		1	06/13/2024 08:31	WG2304179

¹ Cp

² Tc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.41	J	0.635	2.45	1	06/17/2024 19:52	WG2304746

³ Ss

⁴ Cn

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00195	J	0.00126	0.00269	2.01	06/17/2024 11:59	WG2306341
(S) Toluene-d8	100			75.0-131		06/17/2024 11:59	WG2306341
(S) 4-Bromofluorobenzene	98.6			67.0-138		06/17/2024 11:59	WG2306341
(S) 1,2-Dichloroethane-d4	90.4			70.0-130		06/17/2024 11:59	WG2306341

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	68.9		1	06/13/2024 08:31	WG2304179

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	6.41		0.752	2.90	1	06/17/2024 19:54	WG2304746

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.201		0.00158	0.00338	2.02	06/17/2024 12:18	WG2306341
(S) Toluene-d8	98.3			75.0-131		06/17/2024 12:18	WG2306341
(S) 4-Bromofluorobenzene	105			67.0-138		06/17/2024 12:18	WG2306341
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		06/17/2024 12:18	WG2306341

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.0		1	06/13/2024 08:31	WG2304179

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Arsenic	7.37		0.632	2.44	1	06/17/2024 19:56	WG2304746

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.0405		0.00125	0.00268	2.02	06/17/2024 12:37	WG2306341
(S) Toluene-d8	98.7			75.0-131		06/17/2024 12:37	WG2306341
(S) 4-Bromofluorobenzene	99.4			67.0-138		06/17/2024 12:37	WG2306341
(S) 1,2-Dichloroethane-d4	95.7			70.0-130		06/17/2024 12:37	WG2306341

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.7		1	06/13/2024 08:31	WG2304179

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3.42	J	1.39	4.18	1	06/19/2024 15:29	WG2306919
Residual Range Organics (RRO)	25.4		3.48	10.4	1	06/19/2024 15:29	WG2306919
DRO/RRO (TOTAL)	28.8		1.39	4.18	1	06/19/2024 15:29	WG2306919
(S) o-Terphenyl	65.5			18.0-148		06/19/2024 15:29	WG2306919

Sample Narrative:

L1746021-06 WG2306919: Sample resembles laboratory standard for Hydraulic Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	06/13/2024 08:31	WG2304179

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	7.13		1.40	4.20	1	06/19/2024 16:06	WG2306919
Residual Range Organics (RRO)	41.2		3.50	10.5	1	06/19/2024 16:06	WG2306919
DRO/RRO (TOTAL)	48.3		1.40	4.20	1	06/19/2024 16:06	WG2306919
(S) o-Terphenyl	59.4			18.0-148		06/19/2024 16:06	WG2306919

Sample Narrative:

L1746021-07 WG2306919: Sample resembles laboratory standard for Hydraulic Oil.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4081623-1 06/13/24 08:31

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

L1746021-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1746021-01 06/13/24 08:31 • (DUP) R4081623-3 06/13/24 08:31

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	88.7	88.7	1	0.0993		10

Laboratory Control Sample (LCS)

(LCS) R4081623-2 06/13/24 08:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	49.6	99.3	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4081993-1 06/14/24 16:43

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Arsenic	U		0.518	2.00

Laboratory Control Sample (LCS)

(LCS) R4081993-2 06/14/24 16:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Arsenic	100	86.4	86.4	80.0-120	

L1745816-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1745816-01 06/14/24 16:46 • (MS) R4081993-5 06/14/24 16:52 • (MSD) R4081993-6 06/14/24 16:53

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Arsenic	100	7.60	113	101	105	93.5	1	75.0-125			11.2	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4082944-1 06/17/24 19:05

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Arsenic	U		0.518	2.00

Laboratory Control Sample (LCS)

(LCS) R4082944-2 06/17/24 19:07

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Arsenic	100	93.9	93.9	80.0-120	

L1744876-72 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744876-72 06/17/24 19:09 • (MS) R4082944-5 06/17/24 19:14 • (MSD) R4082944-6 06/17/24 19:16

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Arsenic	132	4.40	109	108	79.3	78.2	1	75.0-125			1.39	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4083502-3 06/17/24 08:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
(S) Toluene-d8	99.6			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	99.6			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4083502-1 06/17/24 07:00 • (LCSD) R4083502-2 06/17/24 07:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.131	0.114	105	91.2	70.0-123			13.9	20
(S) Toluene-d8				101	98.7	75.0-131				
(S) 4-Bromofluorobenzene				102	100	67.0-138				
(S) 1,2-Dichloroethane-d4				102	105	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4083971-1 06/19/24 14:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
DRO/RRO (TOTAL)	U		1.33	4.00
(S) o-Terphenyl	76.7			18.0-148

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

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Sc

Laboratory Control Sample (LCS)

(LCS) R4083971-2 06/19/24 14:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	34.8	69.6	50.0-150	
(S) o-Terphenyl			77.5	18.0-148	

L1746021-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1746021-06 06/19/24 15:29 • (MS) R4083971-3 06/19/24 15:41 • (MSD) R4083971-4 06/19/24 15:54

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	50.8	3.42	39.3	35.7	70.6	64.2	1	50.0-150			9.47	20
(S) o-Terphenyl					61.0	55.5		18.0-148				

Sample Narrative:

OS: Sample resembles laboratory standard for Hydraulic Oil.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

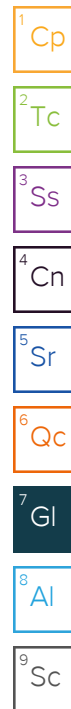
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

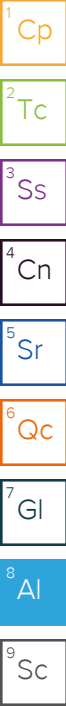
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Partner Engineering & Science - WA 2708 James Street Bellingham, WA 98225		Billing Information: Accounts Payable 2154 Torrance Blvd. Torrance, CA 90501		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 1 of 1			
Report to: Brian Godbois		Email To: BGodbois@partneresi.com; CMartini@partneresi.com														 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf			
Project Description: 503 Bella Street		City/State Collected: Seeds Waukegan, WI		Please Circle: PD MT CT ET												SDG # 1746031 A022			
Phone: 206-518-4274		Client Project # 23-424487.1		Lab Project # PARENGSWA-234244871												Acctnum: PARENGSWA Template: T254486 Prelogin: P1081396 PM: 3813 - Marty Edwards III PB:			
Collected by (print): Brian Godbois		Site/Facility ID #		P.O. #												Shipped Via: FedEX Ground			
Collected by (signature): BG		Rush? (Lab MUST Be Notified) ☐ Same Day ☒ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #												Remarks Sample # (lab only)			
Immediately Packed on Ice N ☐ Y ☒																			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Cntrs												
BPI-N2		grab	SS		6-10-24	1510	2											-01	
BPI-E2			SS			1520	2											-02	
BPI-W2			SS			1525	2											-03	
BPI-B2			SS			1505	2											-04	
BPI-S2			SS			1515	2											-05	
TAI-5			SS			1535	1											-06	
TAI-6			SS			1530	1											-07	

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ N ☐ N Bottles arrive intact: ☒ N ☐ N Correct bottles used: ☒ N ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N	
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking # 7914 6153 6961		Trip Blank Received: ☒ Yes ☐ No HCL / MeOH TBR		If preservation required by Login: Date/Time	
Relinquished by: (Signature) BG		Date: 6/11/24 Time: 1030		Received by: (Signature)		Temp: 60AB 1.7+3 = 2.0	
Relinquished by: (Signature)		Date: Time:		Received by: (Signature)		Date: Time:	
Relinquished by: (Signature)		Date: Time:		Received by: (Signature)		Date: Time:	

ANALYTICAL REPORT

PREPARED FOR

Attn: Brian Godbois
Partner Engineering and Science, Inc
3607 1st Avenue NW
Seattle, Washington 98107

Generated 11/22/2024 6:40:19 PM

JOB DESCRIPTION

Sedro-Wooley, WA

JOB NUMBER

580-145878-1

Eurofins Seattle

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
Marie Walker, Senior Project Manager
M.Elaine.Walker@et.eurofinsus.com
(253)248-4972



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Case Narrative

Client: Partner Engineering and Science, Inc
Project: Sedro-Wooley, WA

Job ID: 580-145878-1

Job ID: 580-145878-1

Eurofins Seattle

Job Narrative 580-145878-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/15/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

Receipt Exceptions

Client provided a MeOH VOA with no Sample ID and did not include the MeOH VOA TB on the COC. SS (580-145878-1), EB (580-145878-2) and Trip Blank (580-145878-3)

Method 8260D - Volatile Organic Compounds by GC/MS

Samples SS (580-145878-1), EB (580-145878-2) and Trip Blank (580-145878-3) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared and analyzed on 11/19/2024.

Method 2540G - SM 2540G

Samples SS (580-145878-1) and EB (580-145878-2) were analyzed for SM 2540G. The samples were analyzed on 11/20/2024.

Eurofins Seattle

Definitions/Glossary

Client: Partner Engineering and Science, Inc
Project/Site: Sedro-Wooley, WA

Job ID: 580-145878-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Partner Engineering and Science, Inc
Project/Site: Sedro-Wooley, WA

Job ID: 580-145878-1

Client Sample ID: SS

Date Collected: 11/13/24 09:30

Date Received: 11/15/24 09:30

Lab Sample ID: 580-145878-1

Matrix: Solid

Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.051	0.0098	mg/Kg	☼	11/19/24 14:21	11/19/24 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120	11/19/24 14:21	11/19/24 17:21	1
4-Bromofluorobenzene (Surr)	102		80 - 120	11/19/24 14:21	11/19/24 17:21	1
Dibromofluoromethane (Surr)	112		80 - 120	11/19/24 14:21	11/19/24 17:21	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 121	11/19/24 14:21	11/19/24 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	93.2		0.1	0.1	%			11/20/24 19:55	1
Percent Moisture (SM22 2540G)	6.8		0.1	0.1	%			11/20/24 19:55	1

Client Sample Results

Client: Partner Engineering and Science, Inc
Project/Site: Sedro-Wooley, WA

Job ID: 580-145878-1

Client Sample ID: EB

Lab Sample ID: 580-145878-2

Date Collected: 11/13/24 09:35

Matrix: Solid

Date Received: 11/15/24 09:30

Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	0.0044	mg/Kg	☼	11/19/24 14:21	11/19/24 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120				11/19/24 14:21	11/19/24 17:41	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 121				11/19/24 14:21	11/19/24 17:41	1
4-Bromofluorobenzene (Surr)	99		80 - 120				11/19/24 14:21	11/19/24 17:41	1
Dibromofluoromethane (Surr)	109		80 - 120				11/19/24 14:21	11/19/24 17:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (SM22 2540G)	92.9		0.1	0.1	%			11/20/24 19:55	1
Percent Moisture (SM22 2540G)	7.1		0.1	0.1	%			11/20/24 19:55	1

Client Sample Results

Client: Partner Engineering and Science, Inc
Project/Site: Sedro-Wooley, WA

Job ID: 580-145878-1

Client Sample ID: Trip Blank
Date Collected: 11/13/24 00:00
Date Received: 11/15/24 09:30

Lab Sample ID: 580-145878-3
Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	0.0038	mg/Kg		11/19/24 14:21	11/19/24 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120				11/19/24 14:21	11/19/24 18:02	1
4-Bromofluorobenzene (Surr)	100		80 - 120				11/19/24 14:21	11/19/24 18:02	1
Dibromofluoromethane (Surr)	109		80 - 120				11/19/24 14:21	11/19/24 18:02	1
1,2-Dichloroethane-d4 (Surr)	113		80 - 121				11/19/24 14:21	11/19/24 18:02	1

QC Sample Results

Client: Partner Engineering and Science, Inc
Project/Site: Sedro-Wooley, WA

Job ID: 580-145878-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-478319/3-A

Matrix: Solid

Analysis Batch: 478324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	0.0038	mg/Kg		11/19/24 13:21	11/19/24 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120				11/19/24 13:21	11/19/24 15:17	1
4-Bromofluorobenzene (Surr)	100		80 - 120				11/19/24 13:21	11/19/24 15:17	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 121				11/19/24 13:21	11/19/24 15:17	1
Dibromofluoromethane (Surr)	116		80 - 120				11/19/24 13:21	11/19/24 15:17	1

Lab Sample ID: LCS 580-478319/1-A

Matrix: Solid

Analysis Batch: 478324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.800	0.791		mg/Kg		99	79 - 135
Surrogate	%Recovery	Qualifier	Limits				
Toluene-d8 (Surr)	99		80 - 120				
4-Bromofluorobenzene (Surr)	97		80 - 120				
1,2-Dichloroethane-d4 (Surr)	97		80 - 121				
Dibromofluoromethane (Surr)	98		80 - 120				

Lab Sample ID: LCSD 580-478319/2-A

Matrix: Solid

Analysis Batch: 478324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 478319

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.800	0.813		mg/Kg		102	79 - 135	3	20
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	103		80 - 120						
4-Bromofluorobenzene (Surr)	99		80 - 120						
1,2-Dichloroethane-d4 (Surr)	96		80 - 121						
Dibromofluoromethane (Surr)	97		80 - 120						

Method: 2540G - SM 2540G

Lab Sample ID: 580-145878-2 DU

Matrix: Solid

Analysis Batch: 478492

Client Sample ID: EB

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	92.9		93.1		%		0.1	20
Percent Moisture	7.1		6.9		%		2	20

Eurofins Seattle

Lab Chronicle

Client: Partner Engineering and Science, Inc
Project/Site: Sedro-Wooley, WA

Job ID: 580-145878-1

Client Sample ID: SS

Date Collected: 11/13/24 09:30

Date Received: 11/15/24 09:30

Lab Sample ID: 580-145878-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	478492	CSS	EET SEA	11/20/24 19:55

Client Sample ID: SS

Date Collected: 11/13/24 09:30

Date Received: 11/15/24 09:30

Lab Sample ID: 580-145878-1

Matrix: Solid

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			478319	BYM	EET SEA	11/19/24 14:21
Total/NA	Analysis	8260D		1	478324	K1K	EET SEA	11/19/24 17:21

Client Sample ID: EB

Date Collected: 11/13/24 09:35

Date Received: 11/15/24 09:30

Lab Sample ID: 580-145878-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540G		1	478492	CSS	EET SEA	11/20/24 19:55

Client Sample ID: EB

Date Collected: 11/13/24 09:35

Date Received: 11/15/24 09:30

Lab Sample ID: 580-145878-2

Matrix: Solid

Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			478319	BYM	EET SEA	11/19/24 14:21
Total/NA	Analysis	8260D		1	478324	K1K	EET SEA	11/19/24 17:41

Client Sample ID: Trip Blank

Date Collected: 11/13/24 00:00

Date Received: 11/15/24 09:30

Lab Sample ID: 580-145878-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			478319	BYM	EET SEA	11/19/24 14:21
Total/NA	Analysis	8260D		1	478324	K1K	EET SEA	11/19/24 18:02

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Partner Engineering and Science, Inc
Project/Site: Sedro-Wooley, WA

Job ID: 580-145878-1

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-24	07-13-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Solids

Sample Summary

Client: Partner Engineering and Science, Inc
Project/Site: Sedro-Wooley, WA

Job ID: 580-145878-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-145878-1	SS	Solid	11/13/24 09:30	11/15/24 09:30
580-145878-2	EB	Solid	11/13/24 09:35	11/15/24 09:30
580-145878-3	Trip Blank	Solid	11/13/24 00:00	11/15/24 09:30

1
2
3
4
5
6
7
8
9
10
11

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: Partner Engineering and Science, Inc

Job Number: 580-145878-1

Login Number: 145878

List Source: Eurofins Seattle

List Number: 1

Creator: Groves, Elizabeth

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B: WASTE MANIFESTS

013213- Saybr Construction Inc

Ticket Date	Facility & Ticket Number				Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total
02/08/2024	I	01	1020290	TB-1619		8 BROTHERS		SW-CONT W/FUEL	72.00	F	18.87	TN	\$1,358.64	\$0.00	\$1,358.64
02/08/2024	I	01	1020291	TB-1619		3 BROTHERS		SW-CONT W/FUEL	72.00	F	14.34	TN	\$1,032.48	\$0.00	\$1,032.48
Tickets Reported:			2	Items Reported:			2				Customer Totals:		\$2,391.12	\$0.00	\$2,391.12
Material Summary			Weight		Volume		Count		Billing		Material		Tax	Total	
			Inbound	Outbound	Inbound	Outbound	Inbound	Outbound	Quantity		Total		Total	Total	
VH - SW-CONT W/FUEL			33.21	0.00	TN	0.00	0.00	YD	0.00	0.00	33.21	TN	\$2,391.12	\$0.00	\$2,391.12
									Cash Totals:						
									Invoice Totals:				\$2,391.12	\$0.00	\$2,391.12
Tickets Reported:			2	Items Reported:			2				Report Totals:		\$2,391.12	\$0.00	\$2,391.12

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander Seattle, WA

CUSTOMER 013213 Saybr Construction Inc 3852 S 66th Street Tacoma, WA 98409 Contract:TB-1619

SITE 01 TICKET # 1027472 CELL

WEIGHMASTER Leslie U.

DATE/TIME IN 11/13/24 2:06 pm DATE/TIME OUT 11/13/24 2:11 pm

VEHICLE ST1 STONE CONTAINER

REFERENCE MOLLY

BILL OF LADING

SCALE IN GROSS WEIGHT	30,660	NET TONS	2.98	INBOUND
SCALE OUT TARE WEIGHT	24,700	NET WEIGHT	5,960	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
2.98	tn	SW-CONT W/FUEL Origin:Sedro Woolley 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture

INBOUND - SCALE INDICATOR 96135341 = E-Seal 2000

OUTBOUND - SCALE INDICATOR 1955300033 = E-Seal 2006

Leslie Ulness

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

NET AMOUNT

TENDERED

CHANGE

CHECK#

RS F042UPR (04/19)

SIGNATURE

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander -Seattle, WA

CUSTOMER 013213 Saybr Construction Inc 3852 S 66th Street Tacoma, WA 98409 Contract:TB-1619

SITE 01 TICKET # 1027472 CELL

WEIGHMASTER Leslie U.

DATE/TIME IN 11/13/24 2:05 pm DATE/TIME OUT 11/13/24 2:11 pm

VEHICLE ST1 STONE CONTAINER

REFERENCE MOLLY

BILL OF LADING

SCALE IN GROSS WEIGHT	30,660	NET TONS	2.98	INBOUND
SCALE OUT TARE WEIGHT	24,700	NET WEIGHT	5,960	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
2.98	tn	SW-CONT W/FUEL Origin:Sedro Woolley 100%				

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Leslie Ulness

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NET AMOUNT

TENDERED

CHANGE

CHECK#

RS F042UPR (04/19)

SIGNATURE