

TREATMENT SUMMARY

Texaco 62-14 – Summary of Work Completed COGCC Remediation Project Number 18560 Garfield County, Colorado

Entrada Consulting Group, Inc. (Entrada) has prepared this Summary for Caerus Oil and Gas (Caerus) related to the ex-situ treatment of spoils at the Texaco Fee 62-14 well pad (Site) located in Garfield County, Colorado. The Site is in the southwest quarter of the northeast quarter in Section 17, Township 6 south, Range 99 west, of the 6th Principal Meridian. The coordinates in decimal degrees of the approximate center point of the Site are 39.53457° latitude and -108.46384° longitude. The Colorado Oil and Gas Conservation Commission (COGCC) Remediation Number for the original spill is 18560.

Entrada was contracted to collect confirmation soil samples from approximately 2000 cubic yards of impacted soil separated into four stockpiles to evaluate the effectiveness of the treatment activities at the Site in accordance with the sampling plan submitted in the approved Form 27 Initial (Document Number 403099230). All sampling activities discussed herein were conducted in accordance with COGCC 900 Series Rules and associated COGCC operator guidance documents.

Entrada collected four five-point composite soil samples on September 9, 2022, from the post treatment stockpiles. These samples were analyzed for Table 915-1 analytes at Pace Analytical in Mt. Juliet, TN. The composite soil locations are illustrated on **Figure 1**.

SOIL ANALYTICAL RESULTS

The composite soil analytical results are summarized in **Table 1** and are compared to applicable COGCC Table 915-1 Residential Soil Screening Levels (RSSLs). The laboratory analytical reports are included as an **Attachment**.

DISCUSSION

Results from the soil sampling event indicate that the spoils are below COGCC Table 915-1 RSSL standards or below local background concentrations. Please see **Table 1** for additional information. Entrada recommends that Caerus use this material as suitable fill for the excavation at the Site.

TABLES

Table 1
Texaco Free 62-14 (G17)
Soil Sample Summary

| LABORATORY DATA SUMMARY | | | | | | | | | |
|---|--------------------|------------------------|------------------------|--------------------|-------------------------------|----------------------------|---|---|----------|
| Sample ID | 20220901-G17-SOUTH | 20220901-G17-SOUTH MID | 20220901-G17-NORTH MID | 20220901-G17-NORTH | 20211008-TEX6214-BG3 (12-16") | 20211008-TEX6214-BG4 (13") | COGCC TABLE 915-1 CONCENTRATION LEVELS | | UNITS |
| Sample Depth | 2' | 2' | 2' | 2' | 12-16" | 13" | | | |
| Sample Type | Composite | Composite | Composite | Composite | Grab | Grab | | | |
| Sample Description | | Spills | Spills | Spills | Background | Background | | | |
| Sample Date | 9/1/2022 | 9/1/2022 | 9/1/2022 | 9/1/2022 | 10/8/2021 | 10/8/2021 | | | |
| Lab Report Number | L1532204 | L1532204 | L1532204 | L1532204 | L1416096 | L1416096 | | | |
| Analytical Parameters | | | | | | | Residential Soil Screening Level | Protection of Groundwater Screening Level | |
| TPH | | | | | | | | | |
| TPH Gasoline Range Organics | 101 B | 0.212 B | 1.36 B | 0.344 | NT | NT | 500 | | mg/kg |
| TPH Diesel Range Organics [C10-C28] | 84.3 | 137 | 80.4 | 134 | NT | NT | | | |
| TPH Oil Range Organics [C28-C36] | 167 | 253 | 148 | 237 | NT | NT | | | |
| TOTAL TPH | 352 | 391 | 229 | 371 | NT | NT | | | |
| BTX | | | | | | | | | |
| Benzene | <0.00100 | <0.00100 | <0.00100 | <0.00100 | NT | NT | 1.2 | 0.0026 | mg/kg |
| Toluene | <0.00500 | <0.00500 | <0.00500 | <0.00500 | NT | NT | 490 | 0.69 | mg/kg |
| Ethylbenzene | <0.00250 | <0.00250 | <0.00250 | <0.00250 | NT | NT | 5.8 | 0.78 | mg/kg |
| Total Xylenes | <0.00650 | <0.00650 | <0.00650 | <0.00650 | NT | NT | 58 | 9.9 | mg/kg |
| TMB | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <0.00500 | <0.00500 | <0.00500 | <0.00500 | NT | NT | 30 | 0.0081 | mg/kg |
| 1,3,5-Trimethylbenzene | <0.00500 | <0.00500 | <0.00500 | <0.00500 | NT | NT | 27 | 0.0087 | mg/kg |
| Metals | | | | | | | | | |
| Arsenic | 10.4 | 7.26 | 8.43 | 8.00 | 20.1 | 7.37 | 0.68 | 0.29 | mg/kg |
| Barium | 375 | 313 | 383 | 352 | NT | NT | 15,000 | 82 | mg/kg |
| Cadmium | 0.765 | <0.500 | <0.500 | <0.500 | NT | NT | 71 | 0.38 | mg/kg |
| Chromium (Hexavalent) | <1.00 | <1.00 | <1.00 | <1.00 | NT | NT | 0.3 | 0.00067 | mg/kg |
| Copper | 16.3 | 14.5 | 13.6 | 13.8 | NT | NT | 3,100 | 46 | mg/kg |
| Lead | 12.4 | 8.44 | 9.78 | 8.37 | NT | NT | 400 | 14 | mg/kg |
| Nickel | 14.7 | 13.0 | 14.5 | 13.1 | NT | NT | 1,500 | 26 | mg/kg |
| Selenium | <2.00 | <2.00 | <2.00 | <2.00 | NT | NT | 390 | 0.26 | mg/kg |
| Silver | <1.00 | <1.00 | <1.00 | <1.00 | NT | NT | 390 | 0.8 | mg/kg |
| Zinc | 46.1 | 44.7 | 46.5 | 41.2 | NT | NT | 23,000 | 370 | mg/kg |
| SAR Metals Analysis | | | | | | | | | |
| Sodium Adsorption Ratio | 1.88 | 1.88 | 1.73 | 1.89 | 0.170 | 0.192 | <6 | | ratio |
| Polynuclear Aromatic Hydrocarbons | | | | | | | | | |
| Acenaphthene | <0.00600 | <0.00600 | <0.00600 | <0.00600 | NT | NT | 360 | 0.55 | mg/kg |
| Anthracene | <0.00600 | <0.00600 | <0.00600 | <0.00600 | NT | NT | 1,800 | 5.8 | mg/kg |
| Benzo(a)anthracene | <0.00600 | 0.00789 | <0.00600 | <0.00600 | NT | NT | 1.1 | 0.011 | mg/kg |
| Benzo(a)pyrene | <0.00600 | <0.00600 | <0.00600 | <0.00600 | NT | NT | 0.11 | 0.24 | mg/kg |
| Benzo(b)fluoranthene | <0.00600 | <0.00600 | <0.00600 | <0.00600 | NT | NT | 1.1 | 0.3 | mg/kg |
| Benzo(k)fluoranthene | <0.00600 | <0.00600 | <0.00600 | <0.00600 | NT | NT | 11 | 2.9 | mg/kg |
| Chrysene | 0.00677 | 0.0153 | 0.00813 | 0.0105 | NT | NT | 110 | 9 | mg/kg |
| Dibenz(a,h)anthracene | <0.00600 | <0.00600 | <0.00600 | <0.00600 | NT | NT | 0.11 | 0.096 | mg/kg |
| Fluoranthene | <0.00600 | 0.0324 | <0.00600 | <0.00600 | NT | NT | 240 | 8.9 | mg/kg |
| Fluorene | <0.00600 | 0.00711 | <0.00600 | 0.00685 | NT | NT | 240 | 0.54 | mg/kg |
| Indeno(1,2,3-cd)pyrene | <0.00600 | <0.00600 | <0.00600 | <0.00600 | NT | NT | 1.1 | 0.98 | mg/kg |
| 1-Methylnaphthalene | 0.0561 | 0.0788 | 0.0618 | 0.0697 | NT | NT | 18 | 0.006 | mg/kg |
| 2-Methylnaphthalene | 0.0662 | 0.0950 | 0.0774 | 0.0812 | NT | NT | 24 | 0.019 | mg/kg |
| Naphthalene | <0.0200 | 0.0268 | 0.0217 | <0.0200 | NT | NT | 2 | 0.0038 | mg/kg |
| Pyrene | <0.00600 | 0.0283 | <0.00600 | <0.00600 | NT | NT | 180 | 1.3 | mg/kg |
| General Chemistry | | | | | | | | | |
| Boron | 0.381 | 0.419 | 0.417 | 0.451 | NT | NT | 2 | | mg/L |
| Specific Conductivity | 1.210 | 1.030 | 1.200 | 0.907 | 0.243 | 0.219 | <4 | | mmhos/cm |
| pH (*T8 Qualifier - Received past holding time) | 8.05 | 8.39 | 8.32 | 8.33 | 8.18 | 8.61 | 6-8.3 | | su |

mg/kg - milligrams per kilogram
mg/L - milligrams per liter
J - indicates an estimated value
V - The sample concentration is too high to evaluate accurate spike recoveries.
B - same analyte is found in associated blank
J3 - The associated batch QC was outside the established quality control range for precision.
J5 - The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6 - sample matrix interfered with the ability to make any accurate determination; spike value is low
mmhos/cm - millimhos per centimeter
mv - millivolts
su - standard units
NA - not applicable
NT - parameter was not tested
ND - not detected above method detection limit
T8 - Samples received past/too close to holding time expiration

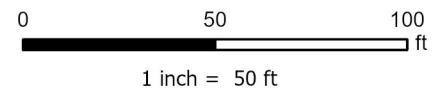
Over COGCC Table 915-1 concentration levels but under BACKGROUND level.
Over COGCC Table 915-1 concentration levels and not within BACKGROUND level.
Over COGCC Table 915-1 concentration levels

FIGURES



LEGEND

- Wellhead
- Composite Soil Sample Location
- Stockpile Area



Project No: 021-115

Map By: NDB

Date: 9/26/2022

Treatment Stockpile Sample Locations
Texaco Fee 62-14
Caerus Oil and Gas LLC
SWNE, Section 17, T6S R99W, 6th P.M.
Garfield County, Colorado



330 Grand Avenue, Unit C
Grand Junction, CO 81501
970-579-1015

Figure

1

SOIL ANALYTICAL REPORTS

Caerus Oil and Gas

Sample Delivery Group: L1532204
Samples Received: 09/02/2022
Project Number:
Description: Texaco Fee 6214 (G17)

Report To: Brett Middleton
143 Diamond Avenue
Parachute, CO 81635

Entire Report Reviewed By:



Chris Ward
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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SAMPLE SUMMARY

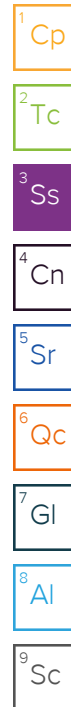
20220901-G17-SOUTH L1532204-01 Solid

Collected by
C. Mace

Collected date/time
09/01/22 10:30

Received date/time
09/02/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1921723 | 1 | 09/13/22 22:36 | 09/13/22 22:36 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1922802 | 1 | 09/17/22 16:07 | 09/18/22 15:01 | ARD | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1923802 | 1 | 09/09/22 14:00 | 09/09/22 16:00 | SGB | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1924186 | 1 | 09/14/22 08:38 | 09/16/22 09:10 | NTG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1922608 | 1 | 09/11/22 17:29 | 09/12/22 17:04 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1922608 | 1 | 09/11/22 17:29 | 09/13/22 01:24 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1921385 | 1 | 09/05/22 15:45 | 09/09/22 07:57 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1922605 | 5 | 09/11/22 17:30 | 09/12/22 01:59 | SJM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1921493 | 1 | 09/04/22 10:43 | 09/08/22 14:45 | BAM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1923162 | 1 | 09/04/22 10:43 | 09/09/22 01:35 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1924331 | 10 | 09/12/22 09:17 | 09/12/22 21:46 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1922999 | 1 | 09/09/22 04:56 | 09/09/22 18:02 | JMB | Mt. Juliet, TN |



20220901-G17-SOUTHMID L1532204-02 Solid

Collected by
C. Mace

Collected date/time
09/01/22 11:00

Received date/time
09/02/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1921723 | 1 | 09/13/22 22:38 | 09/13/22 22:38 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1922802 | 1 | 09/17/22 16:07 | 09/18/22 15:06 | ARD | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1923802 | 1 | 09/09/22 14:00 | 09/09/22 16:00 | SGB | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1924186 | 1 | 09/14/22 08:38 | 09/16/22 09:10 | NTG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1922608 | 1 | 09/11/22 17:29 | 09/12/22 17:07 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1922608 | 1 | 09/11/22 17:29 | 09/13/22 01:27 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1921385 | 1 | 09/05/22 15:45 | 09/09/22 08:00 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1922605 | 5 | 09/11/22 17:30 | 09/12/22 02:02 | SJM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1921493 | 1 | 09/04/22 10:43 | 09/08/22 15:08 | BAM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1923162 | 1 | 09/04/22 10:43 | 09/09/22 01:54 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1924331 | 10 | 09/12/22 09:17 | 09/12/22 21:58 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1922999 | 1 | 09/09/22 04:56 | 09/09/22 16:52 | JMB | Mt. Juliet, TN |

20220901-G17-NORTHMID L1532204-03 Solid

Collected by
C. Mace

Collected date/time
09/01/22 11:20

Received date/time
09/02/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1921723 | 1 | 09/13/22 22:41 | 09/13/22 22:41 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1922802 | 1 | 09/17/22 16:07 | 09/18/22 15:12 | ARD | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1923802 | 1 | 09/09/22 14:00 | 09/09/22 16:00 | SGB | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1924186 | 1 | 09/14/22 08:38 | 09/16/22 09:10 | NTG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1922608 | 1 | 09/11/22 17:29 | 09/12/22 17:10 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1922608 | 1 | 09/11/22 17:29 | 09/13/22 01:30 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1921385 | 1 | 09/05/22 15:45 | 09/09/22 08:03 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1922605 | 5 | 09/11/22 17:30 | 09/12/22 02:05 | SJM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1921493 | 1 | 09/04/22 10:43 | 09/08/22 15:34 | BAM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1923162 | 1 | 09/04/22 10:43 | 09/09/22 02:14 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1924331 | 10 | 09/12/22 09:17 | 09/12/22 22:11 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1922999 | 1 | 09/09/22 04:56 | 09/09/22 17:10 | JMB | Mt. Juliet, TN |

SAMPLE SUMMARY

20220901-G17-NORTH L1532204-04 Solid

Collected by
C. Mace

Collected date/time
09/01/22 12:00

Received date/time
09/02/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1921723 | 1 | 09/13/22 22:49 | 09/13/22 22:49 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1922802 | 1 | 09/17/22 16:07 | 09/18/22 15:17 | ARD | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1923802 | 1 | 09/09/22 14:00 | 09/09/22 16:00 | SGB | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1924186 | 1 | 09/14/22 08:38 | 09/16/22 09:10 | NTG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1922608 | 1 | 09/11/22 17:29 | 09/12/22 17:13 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1922608 | 1 | 09/11/22 17:29 | 09/13/22 01:33 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1921385 | 1 | 09/05/22 15:45 | 09/09/22 08:05 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1922605 | 5 | 09/11/22 17:30 | 09/12/22 02:08 | SJM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1921493 | 1 | 09/04/22 10:43 | 09/08/22 15:57 | BAM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1923162 | 1 | 09/04/22 10:43 | 09/09/22 02:33 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1924331 | 10 | 09/12/22 09:17 | 09/12/22 22:23 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1922999 | 1 | 09/09/22 04:56 | 09/09/22 18:19 | JMB | Mt. Juliet, TN |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

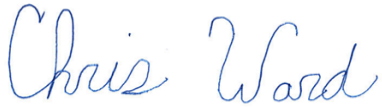
⁷Gl

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.



Chris Ward
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 1.88 | | 1 | 09/13/2022 22:36 | WG1921723 |

Wet Chemistry by Method 7199

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Hexavalent Chromium | ND | | 1.00 | 1 | 09/18/2022 15:01 | WG1922802 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.05 | T8 | 1 | 09/09/2022 16:00 | WG1923802 |

Sample Narrative:

L1532204-01 WG1923802: 8.05 at 21.8C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 1210 | | 10.0 | 1 | 09/16/2022 09:10 | WG1924186 |

Sample Narrative:

L1532204-01 WG1924186: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------|--------|-----------|-------|----------|----------------------|---------------------------|
| Barium | 375 | | 0.500 | 1 | 09/12/2022 17:04 | WG1922608 |
| Cadmium | 0.765 | | 0.500 | 1 | 09/12/2022 17:04 | WG1922608 |
| Copper | 16.3 | | 2.00 | 1 | 09/12/2022 17:04 | WG1922608 |
| Lead | 12.4 | | 0.500 | 1 | 09/12/2022 17:04 | WG1922608 |
| Nickel | 14.7 | | 2.00 | 1 | 09/12/2022 17:04 | WG1922608 |
| Selenium | ND | | 2.00 | 1 | 09/12/2022 17:04 | WG1922608 |
| Silver | ND | | 1.00 | 1 | 09/12/2022 17:04 | WG1922608 |
| Zinc | 46.1 | | 5.00 | 1 | 09/13/2022 01:24 | WG1922608 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.381 | | 0.200 | 1 | 09/09/2022 07:57 | WG1921385 |

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Arsenic | 10.4 | | 1.00 | 5 | 09/12/2022 01:59 | WG1922605 |

Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-------------------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.101 | B | 0.100 | 1 | 09/08/2022 14:45 | WG1921493 |
| (S) a,a,a-Trifluorotoluene(FID) | 103 | | 77.0-120 | | 09/08/2022 14:45 | WG1921493 |

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 8260B

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 09/09/2022 01:35 | WG1923162 |
| Toluene | ND | | 0.00500 | 1 | 09/09/2022 01:35 | WG1923162 |
| Ethylbenzene | ND | | 0.00250 | 1 | 09/09/2022 01:35 | WG1923162 |
| Xylenes, Total | ND | | 0.00650 | 1 | 09/09/2022 01:35 | WG1923162 |
| 1,2,4-Trimethylbenzene | ND | | 0.00500 | 1 | 09/09/2022 01:35 | WG1923162 |
| 1,3,5-Trimethylbenzene | ND | | 0.00500 | 1 | 09/09/2022 01:35 | WG1923162 |
| (S) Toluene-d8 | 102 | | 75.0-131 | | 09/09/2022 01:35 | WG1923162 |
| (S) 4-Bromofluorobenzene | 99.9 | | 67.0-138 | | 09/09/2022 01:35 | WG1923162 |
| (S) 1,2-Dichloroethane-d4 | 110 | | 70.0-130 | | 09/09/2022 01:35 | WG1923162 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 84.3 | | 40.0 | 10 | 09/12/2022 21:46 | WG1924331 |
| C28-C36 Motor Oil Range | 167 | | 40.0 | 10 | 09/12/2022 21:46 | WG1924331 |
| (S) o-Terphenyl | 43.0 | | 18.0-148 | | 09/12/2022 21:46 | WG1924331 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Acenaphthene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Anthracene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Benzo(a)anthracene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Benzo(b)fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Benzo(k)fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Benzo(a)pyrene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Chrysene | 0.00677 | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Dibenz(a,h)anthracene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Fluorene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| 1-Methylnaphthalene | 0.0561 | | 0.0200 | 1 | 09/09/2022 18:02 | WG1922999 |
| 2-Methylnaphthalene | 0.0662 | | 0.0200 | 1 | 09/09/2022 18:02 | WG1922999 |
| Naphthalene | ND | | 0.0200 | 1 | 09/09/2022 18:02 | WG1922999 |
| Pyrene | ND | | 0.00600 | 1 | 09/09/2022 18:02 | WG1922999 |
| (S) p-Terphenyl-d14 | 76.4 | | 23.0-120 | | 09/09/2022 18:02 | WG1922999 |
| (S) Nitrobenzene-d5 | 96.3 | | 14.0-149 | | 09/09/2022 18:02 | WG1922999 |
| (S) 2-Fluorobiphenyl | 75.5 | | 34.0-125 | | 09/09/2022 18:02 | WG1922999 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 1.88 | | 1 | 09/13/2022 22:38 | WG1921723 |

Wet Chemistry by Method 7199

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Hexavalent Chromium | ND | | 1.00 | 1 | 09/18/2022 15:06 | WG1922802 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.39 | T8 | 1 | 09/09/2022 16:00 | WG1923802 |

Sample Narrative:

L1532204-02 WG1923802: 8.39 at 21.5C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 1030 | | 10.0 | 1 | 09/16/2022 09:10 | WG1924186 |

Sample Narrative:

L1532204-02 WG1924186: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------|--------|-----------|-------|----------|----------------------|---------------------------|
| Barium | 313 | | 0.500 | 1 | 09/12/2022 17:07 | WG1922608 |
| Cadmium | ND | | 0.500 | 1 | 09/12/2022 17:07 | WG1922608 |
| Copper | 14.5 | | 2.00 | 1 | 09/12/2022 17:07 | WG1922608 |
| Lead | 8.44 | | 0.500 | 1 | 09/12/2022 17:07 | WG1922608 |
| Nickel | 13.0 | | 2.00 | 1 | 09/12/2022 17:07 | WG1922608 |
| Selenium | ND | | 2.00 | 1 | 09/12/2022 17:07 | WG1922608 |
| Silver | ND | | 1.00 | 1 | 09/12/2022 17:07 | WG1922608 |
| Zinc | 44.7 | | 5.00 | 1 | 09/13/2022 01:27 | WG1922608 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.419 | | 0.200 | 1 | 09/09/2022 08:00 | WG1921385 |

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Arsenic | 7.26 | | 1.00 | 5 | 09/12/2022 02:02 | WG1922605 |

Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-------------------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.212 | B | 0.100 | 1 | 09/08/2022 15:08 | WG1921493 |
| (S) a,a,a-Trifluorotoluene(FID) | 103 | | 77.0-120 | | 09/08/2022 15:08 | WG1921493 |

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 8260B

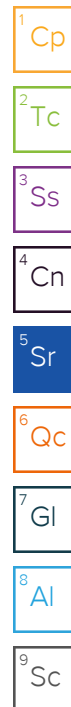
| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 09/09/2022 01:54 | WG1923162 |
| Toluene | ND | | 0.00500 | 1 | 09/09/2022 01:54 | WG1923162 |
| Ethylbenzene | ND | | 0.00250 | 1 | 09/09/2022 01:54 | WG1923162 |
| Xylenes, Total | ND | | 0.00650 | 1 | 09/09/2022 01:54 | WG1923162 |
| 1,2,4-Trimethylbenzene | ND | | 0.00500 | 1 | 09/09/2022 01:54 | WG1923162 |
| 1,3,5-Trimethylbenzene | ND | | 0.00500 | 1 | 09/09/2022 01:54 | WG1923162 |
| (S) Toluene-d8 | 99.4 | | 75.0-131 | | 09/09/2022 01:54 | WG1923162 |
| (S) 4-Bromofluorobenzene | 98.9 | | 67.0-138 | | 09/09/2022 01:54 | WG1923162 |
| (S) 1,2-Dichloroethane-d4 | 111 | | 70.0-130 | | 09/09/2022 01:54 | WG1923162 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 137 | | 40.0 | 10 | 09/12/2022 21:58 | WG1924331 |
| C28-C36 Motor Oil Range | 253 | | 40.0 | 10 | 09/12/2022 21:58 | WG1924331 |
| (S) o-Terphenyl | 57.2 | | 18.0-148 | | 09/12/2022 21:58 | WG1924331 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Acenaphthene | ND | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Anthracene | ND | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Benzo(a)anthracene | 0.00789 | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Benzo(b)fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Benzo(k)fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Benzo(a)pyrene | ND | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Chrysene | 0.0153 | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Dibenz(a,h)anthracene | ND | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Fluoranthene | 0.0324 | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Fluorene | 0.00711 | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| 1-Methylnaphthalene | 0.0788 | | 0.0200 | 1 | 09/09/2022 16:52 | WG1922999 |
| 2-Methylnaphthalene | 0.0950 | | 0.0200 | 1 | 09/09/2022 16:52 | WG1922999 |
| Naphthalene | 0.0268 | | 0.0200 | 1 | 09/09/2022 16:52 | WG1922999 |
| Pyrene | 0.0283 | | 0.00600 | 1 | 09/09/2022 16:52 | WG1922999 |
| (S) p-Terphenyl-d14 | 95.0 | | 23.0-120 | | 09/09/2022 16:52 | WG1922999 |
| (S) Nitrobenzene-d5 | 102 | | 14.0-149 | | 09/09/2022 16:52 | WG1922999 |
| (S) 2-Fluorobiphenyl | 79.8 | | 34.0-125 | | 09/09/2022 16:52 | WG1922999 |



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 1.73 | | 1 | 09/13/2022 22:41 | WG1921723 |

Wet Chemistry by Method 7199

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Hexavalent Chromium | ND | | 1.00 | 1 | 09/18/2022 15:12 | WG1922802 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.32 | T8 | 1 | 09/09/2022 16:00 | WG1923802 |

Sample Narrative:

L1532204-03 WG1923802: 8.32 at 21.4C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 1200 | | 10.0 | 1 | 09/16/2022 09:10 | WG1924186 |

Sample Narrative:

L1532204-03 WG1924186: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------|--------|-----------|-------|----------|----------------------|---------------------------|
| Barium | 383 | | 0.500 | 1 | 09/12/2022 17:10 | WG1922608 |
| Cadmium | ND | | 0.500 | 1 | 09/12/2022 17:10 | WG1922608 |
| Copper | 13.6 | | 2.00 | 1 | 09/12/2022 17:10 | WG1922608 |
| Lead | 9.78 | | 0.500 | 1 | 09/12/2022 17:10 | WG1922608 |
| Nickel | 14.5 | | 2.00 | 1 | 09/12/2022 17:10 | WG1922608 |
| Selenium | ND | | 2.00 | 1 | 09/12/2022 17:10 | WG1922608 |
| Silver | ND | | 1.00 | 1 | 09/12/2022 17:10 | WG1922608 |
| Zinc | 46.5 | | 5.00 | 1 | 09/13/2022 01:30 | WG1922608 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.417 | | 0.200 | 1 | 09/09/2022 08:03 | WG1921385 |

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Arsenic | 8.43 | | 1.00 | 5 | 09/12/2022 02:05 | WG1922605 |

Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-------------------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.136 | B | 0.100 | 1 | 09/08/2022 15:34 | WG1921493 |
| (S) a,a,a-Trifluorotoluene(FID) | 102 | | 77.0-120 | | 09/08/2022 15:34 | WG1921493 |

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 8260B

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 09/09/2022 02:14 | WG1923162 |
| Toluene | ND | | 0.00500 | 1 | 09/09/2022 02:14 | WG1923162 |
| Ethylbenzene | ND | | 0.00250 | 1 | 09/09/2022 02:14 | WG1923162 |
| Xylenes, Total | ND | | 0.00650 | 1 | 09/09/2022 02:14 | WG1923162 |
| 1,2,4-Trimethylbenzene | ND | | 0.00500 | 1 | 09/09/2022 02:14 | WG1923162 |
| 1,3,5-Trimethylbenzene | ND | | 0.00500 | 1 | 09/09/2022 02:14 | WG1923162 |
| (S) Toluene-d8 | 103 | | 75.0-131 | | 09/09/2022 02:14 | WG1923162 |
| (S) 4-Bromofluorobenzene | 97.8 | | 67.0-138 | | 09/09/2022 02:14 | WG1923162 |
| (S) 1,2-Dichloroethane-d4 | 114 | | 70.0-130 | | 09/09/2022 02:14 | WG1923162 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 80.4 | | 40.0 | 10 | 09/12/2022 22:11 | WG1924331 |
| C28-C36 Motor Oil Range | 148 | | 40.0 | 10 | 09/12/2022 22:11 | WG1924331 |
| (S) o-Terphenyl | 35.6 | | 18.0-148 | | 09/12/2022 22:11 | WG1924331 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Acenaphthene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Anthracene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Benzo(a)anthracene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Benzo(b)fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Benzo(k)fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Benzo(a)pyrene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Chrysene | 0.00813 | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Dibenz(a,h)anthracene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Fluorene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| 1-Methylnaphthalene | 0.0618 | | 0.0200 | 1 | 09/09/2022 17:10 | WG1922999 |
| 2-Methylnaphthalene | 0.0774 | | 0.0200 | 1 | 09/09/2022 17:10 | WG1922999 |
| Naphthalene | 0.0217 | | 0.0200 | 1 | 09/09/2022 17:10 | WG1922999 |
| Pyrene | ND | | 0.00600 | 1 | 09/09/2022 17:10 | WG1922999 |
| (S) p-Terphenyl-d14 | 74.4 | | 23.0-120 | | 09/09/2022 17:10 | WG1922999 |
| (S) Nitrobenzene-d5 | 103 | | 14.0-149 | | 09/09/2022 17:10 | WG1922999 |
| (S) 2-Fluorobiphenyl | 74.1 | | 34.0-125 | | 09/09/2022 17:10 | WG1922999 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 1.89 | | 1 | 09/13/2022 22:49 | WG1921723 |

Wet Chemistry by Method 7199

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Hexavalent Chromium | ND | | 1.00 | 1 | 09/18/2022 15:17 | WG1922802 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.33 | T8 | 1 | 09/09/2022 16:00 | WG1923802 |

Sample Narrative:

L1532204-04 WG1923802: 8.33 at 21.1C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 907 | | 10.0 | 1 | 09/16/2022 09:10 | WG1924186 |

Sample Narrative:

L1532204-04 WG1924186: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------|--------|-----------|-------|----------|----------------------|---------------------------|
| Barium | 352 | | 0.500 | 1 | 09/12/2022 17:13 | WG1922608 |
| Cadmium | ND | | 0.500 | 1 | 09/12/2022 17:13 | WG1922608 |
| Copper | 13.8 | | 2.00 | 1 | 09/12/2022 17:13 | WG1922608 |
| Lead | 8.37 | | 0.500 | 1 | 09/12/2022 17:13 | WG1922608 |
| Nickel | 13.1 | | 2.00 | 1 | 09/12/2022 17:13 | WG1922608 |
| Selenium | ND | | 2.00 | 1 | 09/12/2022 17:13 | WG1922608 |
| Silver | ND | | 1.00 | 1 | 09/12/2022 17:13 | WG1922608 |
| Zinc | 41.2 | | 5.00 | 1 | 09/13/2022 01:33 | WG1922608 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.451 | | 0.200 | 1 | 09/09/2022 08:05 | WG1921385 |

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Arsenic | 8.00 | | 1.00 | 5 | 09/12/2022 02:08 | WG1922605 |

Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.344 | | 0.100 | 1 | 09/08/2022 15:57 | WG1921493 |
| (S) a,a,a-Trifluorotoluene(FID) | 103 | | 77.0-120 | | 09/08/2022 15:57 | WG1921493 |

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 8260B

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 09/09/2022 02:33 | WG1923162 |
| Toluene | ND | | 0.00500 | 1 | 09/09/2022 02:33 | WG1923162 |
| Ethylbenzene | ND | | 0.00250 | 1 | 09/09/2022 02:33 | WG1923162 |
| Xylenes, Total | ND | | 0.00650 | 1 | 09/09/2022 02:33 | WG1923162 |
| 1,2,4-Trimethylbenzene | ND | | 0.00500 | 1 | 09/09/2022 02:33 | WG1923162 |
| 1,3,5-Trimethylbenzene | ND | | 0.00500 | 1 | 09/09/2022 02:33 | WG1923162 |
| (S) Toluene-d8 | 104 | | 75.0-131 | | 09/09/2022 02:33 | WG1923162 |
| (S) 4-Bromofluorobenzene | 101 | | 67.0-138 | | 09/09/2022 02:33 | WG1923162 |
| (S) 1,2-Dichloroethane-d4 | 114 | | 70.0-130 | | 09/09/2022 02:33 | WG1923162 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 134 | | 40.0 | 10 | 09/12/2022 22:23 | WG1924331 |
| C28-C36 Motor Oil Range | 237 | | 40.0 | 10 | 09/12/2022 22:23 | WG1924331 |
| (S) o-Terphenyl | 49.7 | | 18.0-148 | | 09/12/2022 22:23 | WG1924331 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Acenaphthene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Anthracene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Benzo(a)anthracene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Benzo(b)fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Benzo(k)fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Benzo(a)pyrene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Chrysene | 0.0105 | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Dibenz(a,h)anthracene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Fluoranthene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Fluorene | 0.00685 | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| Indeno(1,2,3-cd)pyrene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| 1-Methylnaphthalene | 0.0697 | | 0.0200 | 1 | 09/09/2022 18:19 | WG1922999 |
| 2-Methylnaphthalene | 0.0812 | | 0.0200 | 1 | 09/09/2022 18:19 | WG1922999 |
| Naphthalene | ND | | 0.0200 | 1 | 09/09/2022 18:19 | WG1922999 |
| Pyrene | ND | | 0.00600 | 1 | 09/09/2022 18:19 | WG1922999 |
| (S) p-Terphenyl-d14 | 81.4 | | 23.0-120 | | 09/09/2022 18:19 | WG1922999 |
| (S) Nitrobenzene-d5 | 108 | | 14.0-149 | | 09/09/2022 18:19 | WG1922999 |
| (S) 2-Fluorobiphenyl | 78.8 | | 34.0-125 | | 09/09/2022 18:19 | WG1922999 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3838483-1 09/18/22 14:30

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Hexavalent Chromium | U | | 0.255 | 1.00 |

L1532206-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1532206-01 09/18/22 15:38 • (DUP) R3838483-3 09/18/22 15:43

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | ND | ND | 1 | 0.000 | | 20 |

L1532214-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1532214-01 09/18/22 16:35 • (DUP) R3838483-4 09/18/22 16:40

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | ND | ND | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3838483-2 09/18/22 14:35

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Hexavalent Chromium | 10.0 | 9.72 | 97.2 | 80.0-120 | |

L1532216-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532216-01 09/18/22 16:50 • (MS) R3838483-5 09/18/22 16:55 • (MSD) R3838483-6 09/18/22 17:01

| | 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 | % | % | | % | | | % | % |
| Hexavalent Chromium | 20.0 | ND | 2.03 | 2.59 | 10.2 | 13.0 | 1 | 75.0-125 | J6 | J3 J6 | 24.1 | 20 |

Sample Narrative:

OS: Sample is an oxidizer.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1532216-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1532216-01 09/18/22 16:50 • (MS) R3838483-8 09/18/22 17:25

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|---------------------|-----------------------|--------------------------|--------------------|--------------|----------|------------------|---------------------|
| Hexavalent Chromium | 638 | ND | 314 | 49.2 | 50 | 75.0-125 | <u>J6</u> |

Sample Narrative:

OS: Sample is an oxidizer.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1532204-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1532204-03 09/09/22 16:00 • (DUP) R3835647-2 09/09/22 16:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | pH | su | | % | | % |
| pH | 8.32 | 8.29 | 1 | 0.361 | | 1 |

Sample Narrative:

OS: 8.32 at 21.4C

DUP: 8.29 at 21.5C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1532218-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1532218-01 09/09/22 16:00 • (DUP) R3835647-3 09/09/22 16:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | pH | su | | % | | % |
| pH | 9.74 | 9.72 | 1 | 0.206 | | 1 |

Sample Narrative:

OS: 9.74 at 20.5C

DUP: 9.72 at 20.7C

Laboratory Control Sample (LCS)

(LCS) R3835647-1 09/09/22 16:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 9.90 | 99.0 | 99.0-101 | |

Sample Narrative:

LCS: 9.9 at 20.4C

Method Blank (MB)

(MB) R3837900-1 09/16/22 09:10

| Analyte | MB Result umhos/cm | MB Qualifier | MB MDL umhos/cm | MB RDL umhos/cm |
|----------------------|-----------------------|--------------|--------------------|--------------------|
| Specific Conductance | U | | 10.0 | 10.0 |

Sample Narrative:

BLANK: at 25C

L1531542-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1531542-01 09/16/22 09:10 • (DUP) R3837900-3 09/16/22 09:10

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 2100 | 2100 | 1 | 0.000 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1532204-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1532204-02 09/16/22 09:10 • (DUP) R3837900-4 09/16/22 09:10

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 1030 | 1030 | 1 | 0.194 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3837900-2 09/16/22 09:10

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 1120 | 1060 | 94.5 | 85.0-115 | |

Sample Narrative:

LCS: at 25C

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3836282-1 09/12/22 15:32

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Barium | U | | 0.0852 | 0.500 |
| Cadmium | U | | 0.0471 | 0.500 |
| Copper | U | | 0.400 | 2.00 |
| Lead | U | | 0.208 | 0.500 |
| Nickel | U | | 0.132 | 2.00 |
| Selenium | U | | 0.764 | 2.00 |
| Silver | U | | 0.127 | 1.00 |
| Zinc | 1.55 | J | 0.832 | 5.00 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

Laboratory Control Sample (LCS)

(LCS) R3836282-2 09/12/22 15:34

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Barium | 100 | 99.1 | 99.1 | 80.0-120 | |
| Cadmium | 100 | 91.6 | 91.6 | 80.0-120 | |
| Copper | 100 | 95.7 | 95.7 | 80.0-120 | |
| Lead | 100 | 95.6 | 95.6 | 80.0-120 | |
| Nickel | 100 | 93.2 | 93.2 | 80.0-120 | |
| Selenium | 100 | 98.2 | 98.2 | 80.0-120 | |
| Silver | 20.0 | 18.6 | 92.9 | 80.0-120 | |
| Zinc | 100 | 91.5 | 91.5 | 80.0-120 | |

7
Gl

8
Al

9
Sc

L1532205-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532205-01 09/12/22 15:37 • (MS) R3836282-5 09/12/22 15:45 • (MSD) R3836282-6 09/12/22 15:47

| 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 % |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 100 | 378 | 438 | 390 | 60.6 | 12.6 | 1 | 75.0-125 | J6 | J6 | 11.6 | 20 |
| Cadmium | 100 | 0.689 | 91.9 | 93.4 | 91.2 | 92.7 | 1 | 75.0-125 | | | 1.54 | 20 |
| Copper | 100 | 24.6 | 128 | 133 | 103 | 108 | 1 | 75.0-125 | | | 3.45 | 20 |
| Lead | 100 | 17.2 | 114 | 120 | 96.9 | 103 | 1 | 75.0-125 | | | 4.84 | 20 |
| Nickel | 100 | 18.5 | 115 | 116 | 96.8 | 97.9 | 1 | 75.0-125 | | | 0.894 | 20 |
| Selenium | 100 | ND | 97.5 | 99.7 | 97.5 | 99.7 | 1 | 75.0-125 | | | 2.13 | 20 |
| Silver | 20.0 | ND | 18.6 | 19.1 | 93.1 | 95.4 | 1 | 75.0-125 | | | 2.46 | 20 |
| Zinc | 100 | 58.7 | 151 | 155 | 92.5 | 96.6 | 1 | 75.0-125 | | | 2.72 | 20 |

Method Blank (MB)

(MB) R3835514-1 09/09/22 07:11

| Analyte | MB Result mg/l | <u>MB Qualifier</u> | MB MDL mg/l | MB RDL mg/l |
|----------------------|-------------------|---------------------|----------------|----------------|
| Hot Water Sol. Boron | U | | 0.0167 | 0.200 |

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

(LCS) R3835514-2 09/09/22 07:14 • (LCSD) R3835514-3 09/09/22 07:17

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Hot Water Sol. Boron | 1.00 | 1.09 | 1.08 | 109 | 108 | 80.0-120 | | | 1.30 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3835943-1 09/12/22 00:33

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3835943-2 09/12/22 00:36

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Arsenic | 100 | 89.1 | 89.1 | 80.0-120 | |

L1532205-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532205-01 09/12/22 00:39 • (MS) R3835943-5 09/12/22 00:49 • (MSD) R3835943-6 09/12/22 00:52

| 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 | 11.1 | 103 | 106 | 92.3 | 95.0 | 5 | 75.0-125 | | | 2.60 | 20 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3835287-2 09/08/22 08:25

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | 0.0218 | ⬇ | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 107 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3835287-1 09/08/22 06:47

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 6.77 | 123 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 117 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3836214-2 09/08/22 22:19

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Toluene | U | | 0.00130 | 0.00500 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| 1,2,4-Trimethylbenzene | U | | 0.00158 | 0.00500 |
| 1,3,5-Trimethylbenzene | U | | 0.00200 | 0.00500 |
| (S) Toluene-d8 | 99.5 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 111 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3836214-1 09/08/22 21:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.108 | 86.4 | 70.0-123 | |
| Toluene | 0.125 | 0.102 | 81.6 | 75.0-121 | |
| Ethylbenzene | 0.125 | 0.107 | 85.6 | 74.0-126 | |
| Xylenes, Total | 0.375 | 0.325 | 86.7 | 72.0-127 | |
| 1,2,4-Trimethylbenzene | 0.125 | 0.111 | 88.8 | 70.0-126 | |
| 1,3,5-Trimethylbenzene | 0.125 | 0.111 | 88.8 | 73.0-127 | |
| (S) Toluene-d8 | | | 98.9 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 100 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 118 | 70.0-130 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3836308-1 09/12/22 20:43

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-------------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C36 Motor Oil Range | 0.350 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 47.9 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3836308-2 09/12/22 20:56

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 27.5 | 55.0 | 50.0-150 | |
| (S) o-Terphenyl | | | 58.7 | 18.0-148 | |

L1532262-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532262-02 09/12/22 21:08 • (MS) R3836308-3 09/12/22 21:21 • (MSD) R3836308-4 09/12/22 21:33

| 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 % |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 47.8 | ND | 23.2 | 24.0 | 42.9 | 43.8 | 1 | 50.0-150 | J6 | J6 | 3.39 | 20 |
| (S) o-Terphenyl | | | | | 35.0 | 36.1 | | 18.0-148 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3835573-2 09/09/22 11:56

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------|--------------------|--------------|-----------------|-----------------|
| Acenaphthene | U | | 0.00209 | 0.00600 |
| Anthracene | U | | 0.00230 | 0.00600 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 |
| Chrysene | U | | 0.00232 | 0.00600 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 |
| Fluoranthene | U | | 0.00227 | 0.00600 |
| Fluorene | U | | 0.00205 | 0.00600 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 |
| Naphthalene | U | | 0.00408 | 0.0200 |
| Pyrene | U | | 0.00200 | 0.00600 |
| (S) p-Terphenyl-d14 | 93.6 | | | 23.0-120 |
| (S) Nitrobenzene-d5 | 107 | | | 14.0-149 |
| (S) 2-Fluorobiphenyl | 93.9 | | | 34.0-125 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3835573-1 09/09/22 11:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Acenaphthene | 0.0800 | 0.0693 | 86.6 | 50.0-120 | |
| Anthracene | 0.0800 | 0.0700 | 87.5 | 50.0-126 | |
| Benzo(a)anthracene | 0.0800 | 0.0686 | 85.8 | 45.0-120 | |
| Benzo(b)fluoranthene | 0.0800 | 0.0670 | 83.8 | 42.0-121 | |
| Benzo(k)fluoranthene | 0.0800 | 0.0661 | 82.6 | 49.0-125 | |
| Benzo(a)pyrene | 0.0800 | 0.0669 | 83.6 | 42.0-120 | |
| Chrysene | 0.0800 | 0.0704 | 88.0 | 49.0-122 | |
| Dibenz(a,h)anthracene | 0.0800 | 0.0648 | 81.0 | 47.0-125 | |
| Fluoranthene | 0.0800 | 0.0748 | 93.5 | 49.0-129 | |
| Fluorene | 0.0800 | 0.0690 | 86.3 | 49.0-120 | |
| Indeno(1,2,3-cd)pyrene | 0.0800 | 0.0687 | 85.9 | 46.0-125 | |
| 1-Methylnaphthalene | 0.0800 | 0.0700 | 87.5 | 51.0-121 | |
| 2-Methylnaphthalene | 0.0800 | 0.0713 | 89.1 | 50.0-120 | |
| Naphthalene | 0.0800 | 0.0663 | 82.9 | 50.0-120 | |
| Pyrene | 0.0800 | 0.0660 | 82.5 | 43.0-123 | |

Laboratory Control Sample (LCS)

(LCS) R3835573-1 09/09/22 11:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|----------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| (S) p-Terphenyl-d14 | | | 88.5 | 23.0-120 | |
| (S) Nitrobenzene-d5 | | | 106 | 14.0-149 | |
| (S) 2-Fluorobiphenyl | | | 93.6 | 34.0-125 | |

L1531950-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1531950-23 09/09/22 12:14 • (MS) R3835573-3 09/09/22 12:31 • (MSD) R3835573-4 09/09/22 12:48

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Acenaphthene | 0.0800 | ND | 0.0547 | 0.0584 | 68.4 | 73.0 | 1 | 14.0-127 | | | 6.54 | 27 |
| Anthracene | 0.0800 | ND | 0.0536 | 0.0555 | 67.0 | 69.4 | 1 | 10.0-145 | | | 3.48 | 30 |
| Benzo(a)anthracene | 0.0800 | ND | 0.0591 | 0.0646 | 73.9 | 80.7 | 1 | 10.0-139 | | | 8.89 | 30 |
| Benzo(b)fluoranthene | 0.0800 | ND | 0.0527 | 0.0590 | 65.9 | 73.8 | 1 | 10.0-140 | | | 11.3 | 36 |
| Benzo(k)fluoranthene | 0.0800 | ND | 0.0537 | 0.0563 | 67.1 | 70.4 | 1 | 10.0-137 | | | 4.73 | 31 |
| Benzo(a)pyrene | 0.0800 | ND | 0.0588 | 0.0633 | 73.5 | 79.1 | 1 | 10.0-141 | | | 7.37 | 31 |
| Chrysene | 0.0800 | ND | 0.0568 | 0.0616 | 71.0 | 77.0 | 1 | 10.0-145 | | | 8.11 | 30 |
| Dibenz(a,h)anthracene | 0.0800 | ND | 0.0499 | 0.0541 | 62.4 | 67.6 | 1 | 10.0-132 | | | 8.08 | 31 |
| Fluoranthene | 0.0800 | ND | 0.0602 | 0.0632 | 72.2 | 75.9 | 1 | 10.0-153 | | | 4.86 | 33 |
| Fluorene | 0.0800 | ND | 0.0766 | 0.0737 | 95.8 | 92.1 | 1 | 11.0-130 | | | 3.86 | 29 |
| Indeno(1,2,3-cd)pyrene | 0.0800 | ND | 0.0529 | 0.0585 | 66.1 | 73.1 | 1 | 10.0-137 | | | 10.1 | 32 |
| 1-Methylnaphthalene | 0.0800 | ND | 0.0593 | 0.0654 | 74.1 | 81.8 | 1 | 10.0-142 | | | 9.78 | 28 |
| 2-Methylnaphthalene | 0.0800 | ND | 0.0593 | 0.0662 | 74.1 | 82.8 | 1 | 10.0-137 | | | 11.0 | 28 |
| Naphthalene | 0.0800 | ND | 0.0563 | 0.0630 | 70.4 | 78.8 | 1 | 10.0-135 | | | 11.2 | 27 |
| Pyrene | 0.0800 | 0.0291 | 0.0972 | 0.0984 | 85.1 | 86.6 | 1 | 10.0-148 | | | 1.23 | 35 |
| (S) p-Terphenyl-d14 | | | | | 68.5 | 74.2 | | 23.0-120 | | | | |
| (S) Nitrobenzene-d5 | | | | | 88.4 | 100 | | 14.0-149 | | | | |
| (S) 2-Fluorobiphenyl | | | | | 71.2 | 78.9 | | 34.0-125 | | | | |

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.

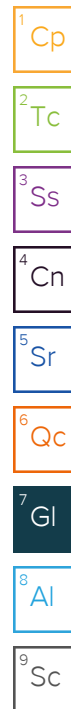
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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. |
| (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. |
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| 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. |
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| 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. |
| J3 | The associated batch QC 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. |
| T8 | Sample(s) received past/too close to holding time expiration. |



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.



[illegible]

Caerus Oil and Gas

Sample Delivery Group: L1416096
Samples Received: 10/09/2021
Project Number:
Description: Texaco Fee 62-14 Background

Report To: Blair Rollins
143 Diamond Avenue
Parachute, CO 81635

Entire Report Reviewed By:



Chris Ward
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 |

SAMPLE SUMMARY

20211008-TEX62-14-B63(12-16") L1416096-01 Solid

Collected by
Reed Johnson

Collected date/time
10/08/21 11:55

Received date/time
10/09/21 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1757937 | 1 | 10/18/21 09:49 | 10/18/21 09:49 | EL | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1758065 | 1 | 10/16/21 08:00 | 10/16/21 09:54 | AW | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1757487 | 1 | 10/17/21 04:30 | 10/17/21 17:12 | AMH | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1757857 | 5 | 10/16/21 00:26 | 10/16/21 17:45 | JPD | Mt. Juliet, TN |

20211008-TEX62-14-B64(13") L1416096-02 Solid

Collected by
Reed Johnson

Collected date/time
10/08/21 12:25

Received date/time
10/09/21 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1757937 | 1 | 10/18/21 09:52 | 10/18/21 09:52 | EL | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1757689 | 1 | 10/15/21 15:00 | 10/16/21 17:08 | AW | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1757487 | 1 | 10/17/21 04:30 | 10/17/21 17:12 | AMH | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1757857 | 5 | 10/16/21 00:26 | 10/16/21 17:48 | JPD | Mt. Juliet, TN |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

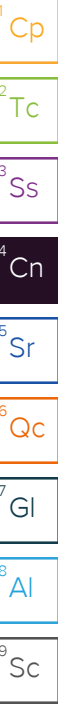
⁹Sc

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.



Chris Ward
Project Manager



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.170 | | 1 | 10/18/2021 09:49 | WG1757937 |

1
Cp

2
Tc

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.18 | T8 | 1 | 10/16/2021 09:54 | WG1758065 |

3
Ss

4
Cn

Sample Narrative:
L1416096-01 WG1758065: 8.18 at 19.8C

5
Sr

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 243 | | 10.0 | 1 | 10/17/2021 17:12 | WG1757487 |

6
Qc

7
Gl

Sample Narrative:
L1416096-01 WG1757487: at 25C

8
Al

9
Sc

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|-------|------|----------|----------------------|---------------------------|
| Arsenic | 20.1 | | 0.100 | 1.00 | 5 | 10/16/2021 17:45 | WG1757857 |

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|-------------------------|-----------|
| Sodium Adsorption Ratio | 0.192 | | 1 | 10/18/2021 09:52 | WG1757937 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|-------------------------|---------------------------|
| pH | 8.61 | T8 | 1 | 10/16/2021 17:08 | WG1757689 |

Sample Narrative:

L1416096-02 WG1757689: 8.61 at 19.6C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|----------|----------|-------------------------|---------------------------|
| Specific Conductance | 219 | | umhos/cm | 1 | 10/17/2021 17:12 | WG1757487 |

Sample Narrative:

L1416096-02 WG1757487: at 25C

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|-------|-------|----------|-------------------------|---------------------------|
| Arsenic | 7.37 | | mg/kg | mg/kg | 5 | 10/16/2021 17:48 | WG1757857 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

L1414414-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1414414-04 10/16/21 17:08 • (DUP) R3717381-2 10/16/21 17:08

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 6.48 | 6.46 | 1 | 0.309 | | 1 |

Sample Narrative:

OS: 6.48 at 20.5C

DUP: 6.46 at 20.4C

Laboratory Control Sample (LCS)

(LCS) R3717381-1 10/16/21 17:08

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 10.0 | 100 | 99.0-101 | |

Sample Narrative:

LCS: 10.02 at 19.8C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1415618-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1415618-04 10/16/21 09:54 • (DUP) R3717299-2 10/16/21 09:54

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 8.65 | 8.65 | 1 | 0.000 | | 1 |

Sample Narrative:

OS: 8.65 at 20C

DUP: 8.65 at 20.1C

L1416500-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1416500-02 10/16/21 09:54 • (DUP) R3717299-3 10/16/21 09:54

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 8.74 | 8.71 | 1 | 0.344 | | 1 |

Sample Narrative:

OS: 8.74 at 19.5C

DUP: 8.71 at 19.8C

Laboratory Control Sample (LCS)

(LCS) R3717299-1 10/16/21 09:54

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 10.1 | 101 | 99.0-101 | |

Sample Narrative:

LCS: 10.05 at 20.4C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3717554-1 10/17/21 17:12

| Analyte | MB Result umhos/cm | MB Qualifier | MB MDL umhos/cm | MB RDL umhos/cm |
|----------------------|-----------------------|--------------|--------------------|--------------------|
| Specific Conductance | U | | 10.0 | 10.0 |

Sample Narrative:

BLANK: at 25C

L1416107-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1416107-01 10/17/21 17:12 • (DUP) R3717554-3 10/17/21 17:12

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 1270 | 1270 | 1 | 0.394 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1416107-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1416107-10 10/17/21 17:12 • (DUP) R3717554-4 10/17/21 17:12

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 284 | 286 | 1 | 0.737 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3717554-2 10/17/21 17:12

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 270 | 101 | 85.0-115 | |

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3717385-1 10/16/21 16:51

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3717385-2 10/16/21 16:55

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Arsenic | 100 | 87.8 | 87.8 | 80.0-120 | |

L1416099-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1416099-03 10/16/21 16:58 • (MS) R3717385-5 10/16/21 17:08 • (MSD) R3717385-6 10/16/21 17:12

| 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 | 5.16 | 84.2 | 88.7 | 79.0 | 83.5 | 5 | 75.0-125 | | | 5.21 | 20 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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| 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. |
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Qualifier Description

| | |
|----|---|
| T8 | Sample(s) received past/too close to holding time expiration. |
|----|---|

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122



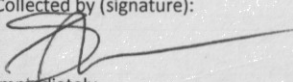
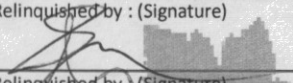
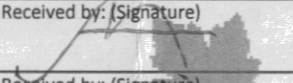
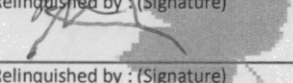
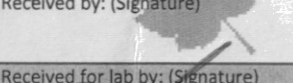
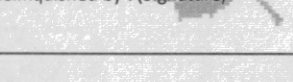
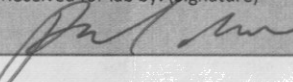
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| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey--NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | 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: Caerus Oil and Gas 143 Diamond Ave. Parachute, CO 81635 | | | | Billing Information: Caerus Oil and Gas 143 Diamond Ave. Parachute, CO 81635 | | | | Analysis / Container / Preservative | | | | | | | | | | Chain of Custody Page <u>1</u> of <u>1</u>  L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859  | | | | | |
| Report to: Blair Rollins | | | | Email To: brollins@caerusoilandgas.com | | | | <div style="display: flex; justify-content: space-around; font-weight: bold;"> Table 915 GRO/DRO/ORO Table 915 Metals Table 915 PAH's Table 915 VOCs Table 915 pH, SPCON, SAR Arsenic </div> | | | | | | | | | | | | | | L # <u>1416095</u> <div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 1.2em;">B094</div> | |
| Project Description: <u>Texaco Fee 62-14 Background</u> | | | | City/State Collected: <u>DeBeque, CO</u> | | | | | | | | | | | | | | | | | | Acctnum: | |
| Phone: (970) 640-6919 Fax: | | Client Project # | | Lab Project # | | Template: | | | | | | | | | | | | | | | | | |
| Collected by (print): Reed Johnson | | Site/Facility ID # | | P.O. # | | Prelogin: | | | | | | | | | | | | | | | | | |
| Collected by (signature):  Immediately Packed on Ice N <u> </u> Y <u> </u> <input checked="" type="checkbox"/> | | Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day200% <input type="checkbox"/> Next Day100% <input type="checkbox"/> Two Day50% <input type="checkbox"/> Three Day25% | | | | Date Results Needed Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | | No. of Cntrs | | TSR: | | | | | | | | | | | | | |
| Sample ID | | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | <div style="border: 1px solid black; padding: 5px;"> Sample Receipt Checklist COC Seal Present/Intact: <u> </u> Y <u> </u> N If Applicable COC Signed/Accurate: <u> </u> Y <u> </u> N VOA Zero Headspace: <u> </u> Y <u> </u> N Bottles arrive intact: <u> </u> Y <u> </u> N Pres. Correct/Check: <u> </u> Y <u> </u> N Correct bottles used: <u> </u> Y <u> </u> N Sufficient volume sent: <u> </u> Y <u> </u> N RAD Screen <0.5 mR/hr: <u> </u> Y <u> </u> N </div> | | | | | | | | | | Cooler: | | | | | |
| 20211008-TEX 62-14 - B63 (12-16") | | 6rsb | SS | 12-16" | 10/8/21 | 1155 | 2 | | | | | | | | | | | Shipped Via: | | | | | |
| 20211008-TEX 62-14 - B64 (13") | | 1 | 1 | 13" | 1 | 1225 | 2 | | | | | | | | | | | Rem./Contaminant | | | | | |
| 20211008-TEX 62-14 - B64 (13") | | 1 | 1 | 13" | 1 | 1225 | 2 | | | | | | | | | | | Sample # (lab only) | | | | | |
| * Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____ | | | | | | | | | | | | | | pH _____ Temp _____ | | | | | | | | | |
| Remarks: <u>Fedex - 50lb 1232 4153</u> | | | | | | | | | | | | | | Flow _____ Other _____ | | | | | | | | | |
| Relinquished by: (Signature)  | | Date: <u>10/8/21</u> | Time: <u>1700</u> | Received by: (Signature)  | | Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____ | | Condition: (lab use only) | | | | | | | | | | | | | | | |
| Relinquished by: (Signature)  | | Date: <u>10/8/21</u> | Time: <u>1800</u> | Received by: (Signature)  | | Temp: <u>17.60°C</u> Bottles Received: <u>4</u> <u>4.7+0.54.7</u> | | COC Seal Intact: <u> </u> Y <u> </u> N <u> </u> NA | | | | | | | | | | | | | | | |
| Relinquished by: (Signature)  | | Date: | Time: | Received for lab by: (Signature)  | | Date: <u>10/9/21</u> Time: <u>0930</u> | | pH Checked: | | NCF: | | | | | | | | | | | | | |